

Fiscal Year 2025: International Journals

No.	BL	Author	Title	Source	Quartile 2023	IF2023	Field Res.
1	BL1.1W: MXT	Bootchanont, A., Samerchue, S., Sipae, C., Zhao, H., Noonuruk, R., Porjai, P., <u>Busayaporn, W.</u> , Wechprasit, T., Kansaard, T., Pecharapa, W., Thongpool, V., Wattanawikkam, C. and Sailuam, W.,	Enhanced photocatalytic ability of CuO/Ni-doped TiO2 nanocomposite under visible light: Theory and Experiment	Radiation Physics and Chemistry 234 (Sep 2025): 112761	Q2	2.8	Chemistry
2	BL1.1W: MXT	Deewan, R., Tanboonchuy, V., Khamdahsag, P. and Yan, D. Y. S.	Utilization of Agricultural Waste: Mango Peels and Pineapple Crown Leaves as Precursors for Nanomaterial Production for Arsenate Remediation	Environmental Science and Pollution Research 32 (2025): 14508-14526	Q1	6.23	Environmental Science
3	BL1.1W: MXT	Dong, C., Yu, Y., Ma, C., Zhou, C., Wang, J., Gu, J., Ji, J., Yang, S., Liu, Z., Xu, X. and Mai, L.	Tailoring Zinc Diatomic Bidirectional Catalysts Achieving Orbital Coupling-Hybridization for Ultralong-Cycling Zinc-Iodine Batteries	Energy & Environmental Science 18 (2025); 3014-3025	Q1	32.4	Materials Science and Engineering
4	BL1.1W: MXT	Fitriana, F., Asih, R., Baqiya, M. A., <u>Kamonsuangkasem, K.</u> and Suasmoro, S.	<u>Analysis of Electronic Configuration and Spin State Driving to Magnetic Properties of La₂Ba_{0.5}-xSr_{0.5}-xFe_{0.9}Ni_{0.1}O_{3-δ} (x = 0, 0.25)</u>	Journal of Alloys and Compounds 1023 (Apr 2025): 180139	Q1	5.8	Materials Science and Engineering
5	BL1.1W: MXT	Hariyanto, B., Ely, S., Hilmi, A. R., <u>Wannapaiboon, S.</u> , <u>Kamonsuangkasem, K.</u> , <u>Saiyasombat, C.</u> , Holilah, Purwaningsih, S. Y., Baqiya, M. A., Asih, R. and Pratapa, S.	Thermal-Induced Structural Behavior in CaO-Doped ZrO2 Nanocrystals: A High-Temperature Synchrotron XRD and XAS Study	Nano-Structures & Nano-Objects 42 (2025): 101470	Q1	9.2	Materials Science and Engineering
6	BL1.1W: MXT	Henjongchom, N., Ruengsrising, W., Soe, K. T., Kayunkid, N., Thongprong, N., Ketsombun, E., <u>Chanlek, N.</u> , <u>Supruangnet, R.</u> , <u>Saiyasombat, C.</u> , Rujisamphan, N., Supasai, T.	<u>Cesium Moderation and Structural Transformation on α-CsPbI₂Br Perovskite Durability via Cation Retarding Migration: A Combined Simulation and Experimental Study</u>	Solar Energy 288 (Mar 2025): 113290	Q1	6	Materials Science and Engineering
7	BL1.1W: MXT	Ilmi, M. M., Maryanti, E., Tjan, I. P., Oktaviana, A. A., Masud, Z., <u>Saiyasombat, C.</u> and Noerwidi, S.	The First Insight to Materiality of Rock Art Pigments from Western Papua Region (Berau Gulf, Fakfak)	Archaeol Anthropol Science 17 (2025): https://doi.org/10.1007/s12520-025-02168-9	Q1	2.1	Earth Science, Archeology and Gemology
8	BL1.1W: MXT	Inchongkol, Y., Saothayanun, T. K., Adpakpang, K., Phongsuk, N., Impeng, S., Kosasang, S., Ma, N., Horike, S., and Bureekaew, S.	Tuning Electronic and Proton Transfer Properties on Amino-Functionalized Co-Based MOF for Efficient Photocatalytic Hydrogen Evolution	ACS Applied Materials & Interfaces 16 (2024): 64138-64645	Q1	8.5	Chemistry
9	BL1.1W: MXT	Jaiswal, A., Sakharov, K. A., Lekina, Y., <u>Kamonsuangkasem, K.</u> , Tomm, Y., Wei, F. and White, T. J.	High-Temperature Polymorphism and Band-Gap Evolution in BaZrS ₃	Inorganic Chemistry Journal 63 (2024): 24157-24166	Q1	4.3	Materials Science and Engineering
10	BL1.1W: MXT	Jutimosik, J., Nunocha, P., <u>Chirawatkul, P.</u> , Suriwong, T. and Bongkarn, T.	Effect of La Concentration on Phase Formation, Local Structure and Optical Properties of Sr _{1-x} La _x TiO ₃ Nanoparticles	Radiation Physics and Chemistry 227 (Feb 2025): 112400	Q2	2.8	Physics
11	BL1.1W: MXT	Kamma, N., Banlusan, K., Aranmala, K., Tamwattana, O., <u>Limphirat, W.</u> , <u>Saiyasombat, C.</u> , Nash, J., Limthongkul, P. and Meethong, N.	Prelithiation Mechanism of Silicon Anodes through the Interfacial Destabilization of Lithium Hydride	ACS Applied Energy Materials 7 (2024): 11775-11786	Q1	5.5	Materials Science and Engineering
12	BL1.1W: MXT	Kao-ian, W., Sangsawang, J., Gopalakrishnan, M., <u>Wannapaiboon, S.</u> , Watwiangkham, A., Jungsuttiwong, S., Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	Preinserted Ammonium in MnO ₂ to Enhance Charge Storage in Dimethyl Sulfoxide Based Zinc-Ion Batteries	ACS Applied Materials & Interfaces 16 (2024): 56926-56934	Q1	8.3	Materials Science and Engineering
13	BL1.1W: MXT	Kiatwisarnkij, N., Song, Z., Tangpongkijjaroen, C., <u>Wannapaiboon, S.</u> , Zhang, X., Wangyao, P. and Qin, J.	Texturing (002)-Oriented Zinc atop a Cotton Cloth for High-Performance Zn-ion Batteries	Batteries & Supercaps (2025): e202400727	Q1	5.07	Materials Science and Engineering
14	BL1.1W: MXT	Lim, K. H., Cao, K., Li, C., Song, G., <u>Tanphanuch, W.</u> , <u>Kidkhunthod, P.</u> , <u>Chirawatkul, P.</u> and Kawi, S.	<u>Strong Metal-Support Interactions in Ni/KCC-1 Catalysts for Base-Growth Carbon Nanotubes in Methane Decomposition</u>	ACS Catalysis 15 (2025): 16221-16235	Q1	11.3	Chemistry
15	BL1.1W: MXT	Liu, Y., Peng, W., Ma, H., Tian, J., Wang, K., Zheng, Z., Xu, L. and Ding, Y.	Tailoring Electrocatalytic Ov-NiOOH by Regulating the Reconstruction in Ni-Based Metal-Organic Frameworks with Highly Asymmetric Ni-O Coordination	ACS Applied Materials & Interfaces 17 (2025): 19806-19817	Q1	4.4	Chemistry
16	BL1.1W: MXT	Maneesard, P., Somsongkul, V., <u>Chirawatkul, P.</u> , <u>Saiyasombat, C.</u> , Vannier, R. N. and Kongmark, C.	Flexible Ni-Based Bimetallic Spinel Oxide (NiM ₂ O ₄ , M = Mn, Fe, Co) Electrodes for Supercapacitor Applications	Physica Status Solidi (A) Applications and Materials Science 221 (Dec 2024): 2400003	Q2	1.9	Materials Science and Engineering
17	BL1.1W: MXT	Munawaroh, F., Masdya, Y., <u>Saiyasombat, C.</u> , Baqiya, M. A. and Triwikantoro	Structural Study of CaO-Based Materials with ZrO ₂ Incorporation Using In-Situ Synchrotron Radiation X-ray Diffraction and X-Ray Absorption Spectroscopy	Ceramics International 51 (Sep 2025): 33128-33144	Q1	5.1	Materials Science and Engineering
18	BL1.1W: MXT	Nganglumpoon, R., Poolboon, K., Sitiputa, P., Pinthong, P., Pomrungrong, C., Szilagyi, P. A., Liu, Y., Xi, S., Praserttham, S., Sukserm, A., Pinsook, U., Wu, K. C. W. and Panpranot, J.	Room-Temperature Generation and Transformation of Graphitic CQDs into Mixed sp ² -sp ³ Hybridized Carbon Allotropes from Liquid Oxygenates	Nanoscale 17 (2025): 20057-20073	Q1	5.8	Materials Science and Engineering
19	BL1.1W: MXT	Nguanthaisong, M., Terakulsatit, B., Setwong, W. and <u>Phooवासawat, C.</u>	Deterioration of Reinforced Concrete Structures Due to Chloride Exposure in Water: A Case Study, Thailand	International Journal of GEOMATE 28 (Feb 2025): 1-7	Q3	1.15	Materials Science and Engineering
20	BL1.1W: MXT	Ngokpho, B., <u>Janphuang, P.</u> , <u>Niipanich, S.</u> , <u>Chanlek, N.</u> , <u>Wannapaiboon, S.</u> , Siritanon, T. and Ngamchuea, K.	<u>Halide-Mediated Electrochemical Modification of Copper Phthalocyanine for Humidity Sensing Applications</u>	Materials Advances 6 (2025): 658-669	Q1	5.2	Materials Science and Engineering
21	BL1.1W: MXT	Obrom, W., Yingyuen, W., Nanmong, T., Deekamwong, K., Tawachkultanadilok, P., Wittayakun, J., Prayoonpokarach, S., <u>Poo-arporn, Y.</u> , Föttinger, K., Desaulniers, J. P. and Loiha, S.	<u>Investigating the Role of Zeolite Supports in Ni-Based Catalysts for CO₂-Methanation Using in Situ/Operando XAS-MS.</u>	Microporous and Mesoporous Materials 390 (May 2025): 113548	Q1	4.8	Chemistry
22	BL1.1W: MXT	Phongsuk, N., Adpakpang, K., Pukdeejorhor, L., Atitthep, T. and Bureekaew, S.	Electrochemically Created Active Centers in a Bimetallic CoNi-Triazole Metal-Organic Framework for Enhanced Oxygen Evolution Reaction Activity	ChemPlusChem 89 (2024): e202400423	Q1	3	Chemistry
23	BL1.1W: MXT	Piyanuch, P., Santatiwongchai, J., Impeng, S., Kamkaew, A., <u>Wannapaiboon, S.</u> and Chansaenpak, K.	Fluorometric Detection of Hg ²⁺ via Metal Displacement of BODIPY-Fe(III) Complex in Aqueous Media	Journal of Photochemistry and Photobiology A: Chemistry 463 (Jun 2025): 116291	Q2	4.1	Chemistry
24	BL1.1W: MXT	Rittisit, W., Manyum, P., Wantana, N., Ruangtaweep, Y., Kirdsiri, K., <u>Rujirawat, S.</u> , <u>Kamonsuangkasem, K.</u> , Yimnirun, R., Prasatkhetragarn, A., Intachai, N., Kothan, S., Kim, H. J. and Kaewkhao, J.	Green Chemistry Preparation and Characterization of Borosilicate Glass Doped with Dysprosium using Degraded Silica Gel for White-Light Emission	Radiation Physics and Chemistry 229 (Apr 2025): 112483	Q2	2.8	Materials Science and Engineering
25	BL1.1W: MXT	Saothayanun, T. K., Inchongkol, Y., Weeranoppanant, N., Kondo, M., Ogawa, M. and Bureekaew, S.	Self-Shuttle-Mediated Electron Transfer to Boost Photocatalytic Hydrogen Production of Co-Zn Bimetallic MOF	Journal of Materials Chemistry A 12 (2024): 26743-26748	Q1	10.7	Chemistry
26	BL1.1W: MXT	Senamart, N., Yingyuen, W., Obrom, W., Nanmong, T., Budsombat, S., Wittayakun, J., Prayoonpokarach, S. and Loiha, S.	<u>Improving the Efficiency of Cr(VI) Reduction and Adsorption by Fe₃O₄ Using ZSM-5 Zeolite Support Prepared Through Various Methods</u>	RSC Advances 15 (Feb 2025): 5808-5821	Q1	3.9	Environmental Science
27	BL1.1W: MXT	Siri-apai, P., Yaemphutchong, S., Suetrong, N., Suesuwan, A., Choophun, N., <u>Wannapaiboon, S.</u> , Rodchanarowan, A., Chansaenpak, K., Aroonrote, N., Hanlumyuang, Y., Hanlumyuang, Y. and Wattanathana, W.	Reduction of 4-Nitrophenol to 4-Aminophenol by Reusable CuFe ₅ O ₈ -Based Catalysts Synthesized by Co-Precipitation Method	Molecules 30 (2025): 777	Q1	4.2	Materials Science and Engineering

28	BL1.1W: MXT	Somteds, A., Tayraukham, P., Pipattanachaiyanan, P., Kao-ian, W., Wannapaiboon, S., Loiha, S., Sukpirom, N., Suttipong, M., Guo, J., Kheawhom, S. and Unruangsri, J.	CO ₂ -Derived Polymeric Double-Network Hydrogel Electrolyte for Zinc-Ion Batteries	ACS Sustainable Chemistry & Engineering 13 (2025): 9974-9986	Q1	7.1	Materials Science and Engineering
29	BL1.1W: MXT	Sriphumrat, K., Harnkar, P., Pimu, S., Jansuda, W., Yodsini, N., Arayachukiat, S. and Kongpatpanich, K.	Dual Accessible Binding Sites in Amorphous Metal-Organic Framework for High Arsenic and Mercury Removal Efficiency	Chemistry - An Asian Journal 20 (Jul 2025): e202401519	Q1	3.5	Environmental Science
30	BL1.1W: MXT	Suwannaruang, T., Wantala, K., Shivaraju, H. P., Shahmoradi, B., Kidkhunthod, P., Chanlek, N., Nijpanich, S., Chirawatkul, P. and Saiyasombat, C.	Visible-Light-Driven Photodegradation of Pt-Derivative Anticancer Drug Carboplatin Over La-Fe-Modified SrTiO ₃ with Simultaneous Doping and Enhanced Pt-Photodeposited Catalyst	Journal of Water Process Engineering 71 (Mar 2025): 107387	Q1	6.3	Environmental Science
31	BL1.1W: MXT	Tan, Y. P., Salleh, M. A. A. M., Sauli, Z., Somidin, F., Kamonsuangkasem, K., Tancharakorn, S., Tantanuch, W., Nakajima, H. and Nogita, K.	Role of Ag Additions on Microstructure, Phase Transformation and Thermal Reactions of In-35Sn Alloys	Journal of Materials Science: Materials in Electronics 36 (2025): 1649	Q2	2.8	Materials Science and Engineering
32	BL1.1W: MXT	Tangthum, P., Wannapaiboon, S., Kidkhunthod, P., Chen, J. L., Chang, C. C., Pao, C. W., Zjdemans, P. A., Yonezawa, T., Suttipong, M. and Kheawhom, S.	Innovative pH-Buffering Strategies for Enhanced Cycling Stability in Zinc-Iodine Flow Batteries	Journal of Materials Chemistry A. 12 (2024): 29513-29525	Q1	10.7	Materials Science and Engineering
33	BL1.1W: MXT	Trakulmututa, J., Weerasuk, B., Sataman, P., Chutimasakul, T., Kamonsuangkasem, K., Smith, S. M., Sirisit, N. and Sangtawesin, T.	Gamma-Irradiation Assisted Synthesis of Nickel-Cobalt Oxide Composites: Crystal Structure Dependency for Supercapacitor Efficiency	Journal of Alloys and Compounds 1014 (Feb 2025): 178736	Q1	5.8	Materials Science and Engineering
34	BL1.1W: MXT	Wechprasit, T., Bootchanont, A., Infahsaeng, Y., Wongjom, P., Wannapaiboon, S., Kaewprajak, A., Kumnorakaw, P., Sailuam, W., Saenrang, W., Pecharapa, W. and Maiaugree, W.	Characterization of Bi-Doped FAPbI ₃ Perovskite Films Investigated by X-ray Absorption Spectroscopy	Scientific Reports 15 (2025): 18351	Q1	3.8	Materials Science and Engineering
35	BL1.1W: MXT	Yaemphutthong, S., Singkammo, S., Suetrong, N., Jantaratana, P., Chanseanpak, K., Chuewongkam, N., Pinitsoontorn, S., Panomsuwan, G., Chaiamart, N., Hanlumyuan, Y., Wannapaiboon, S. and Wattanathana, W.	Effects of Sm ³⁺ Doping on Magnetic and Electrical Properties of Ternary Cobaltite Spinels	Ceramics International 51 (Jul 2025): 26811-26820	Q1	5.1	Materials Science and Engineering
36	BL1.1W: MXT	Zaimi, N. S. M., Salleh, M. A. A. M., Aziz, M. S. A., Nadzri, N. I. M., Baser, M. F. H., Tantanuch, W., Tancharakorn, S., Mothong, N. and Khor, C. Y.	Microstructure Refinement, Thermal Stability and Mechanical Properties Improvements of Sn-3.0Ag-0.5Cu-xSb	Materials Characterization 227 (Sep 2025): 115324	Q1	5.5	Materials Science and Engineering
37	BL1.2: XTM	Arokiasamy, P., Abdullah, M. M. A. B., Arifi, E., Razak, R. A., Rojiviriya, C., Mydin, M. A. O., Sandu, A. V., Yaacob, N. A. and Mohamed, R.	Hydroxyapatite Incorporated Geopolymer Porous Adsorbent for Efficient Removal of Copper Ions and Ciprofloxacin	Journal of the American Ceramic Society 108 (Sep 2025): e20618	Q1	3.5	Environmental Science
38	BL1.2: XTM	Chansawang, N., Roddee, J., Pakawanit, P., Borikul, N. and Khangjoho, S.	Foregut Structure and Physiology of Brown Planthopper, Nilaparvata lugens (Stål), Unveiled via Synchrotron Radiation X-ray Tomography	Diagnostic Pathology doi: 10.21203/rs.3.rs-4276621/v1	Q2	2.4	Biological and Life Science
39	BL1.2: XTM	Chaiwithee, S., Kochchaphong, K., Keereemasthong, T., Rachtanapun, P., Jantanasakulwong, K., Suhr, J., Sawangrat, C. and Wattanachai, P.	Enhanced Cement Properties Through Plasma-Activated Water: Exploring Hydration Kinetics and Microstructural Refinement	Journal of Materials Research and Technology 37 (Jul-Aug 2025): 4100-4112	Q1	6.6	Materials Science and Engineering
40	BL1.2: XTM	Chungyampin, S., Charentanom, W., Pakawanit, P., Paradee, N. and Niamlang, S.	Humidity-Responsive Actuators of Synthesized Graphene Oxide/Gelatin Composite Hydrogels: Effect of Oxidation Degree of Graphene Oxide	Sensors and Actuators A: Physical 380 (Dec 2024): 116032	Q1	4.1	Physics
41	BL1.2: XTM	Hajra, S., Kaja, K. R., Panda, S., Belal, M. A., Panigrahi, B. K., Pakawanit, P. and Kim, H. J.	Waste Based Triboelectric Nanogenerator for Energy Harvesting and Self-Powered Sensors	Journal of Cleaner Production 509 (Jun 2025): 145591	Q1	9.8	Materials Science and Engineering
42	BL1.2: XTM	Junyusen, T., Sonsomboonsuk, S., Junyusen, P., Chatchavanthatri, N., Nawong, S., Kamonsutthipajit, N. and Pakawanit, P.	Ultra-Low Hydrostatic Pressure: A Novel Approach to Producing High-Quality Germinated Brown Rice Puffs	LWT - Food Science and Technology 226 (Jun 2025): 117981	Q1	6	Food and Agricultural Science
43	BL1.2: XTM	Kaja, K. R., Hajra, S., Panda, S., Belal, M. A., Pakawanit, P., Vittayakorn, N., Bowen, C., Khanbareh, H. and Kim, H. J.	Triboelectrification Based on the Waste Waterproof Textiles for Multisource Energy Harvesting	Advanced Sustainable Systems 9, 5 (May 2025): 2400678	Q1	6.28	Materials Science and Engineering
44	BL1.2: XTM	Khamkongkao, A., Wongrakpanich, A., Chanamuangkon, T., Chayanun, S., Rojiviriya, C., Pimsawat, A., Vongpramate, D., Bootchanont, A., Sailuam, W., Boccaccini, A. R. and	Effect of Vacancies on Blue-Colored Calcium Phosphate Scaffolds Derived from Nile Tilapia Bone Powder	Scientific Reports 15 (2025): 24058	Q1	3.8	Medical Applications
45	BL1.2: XTM	Khan, M. J., Karim, Z., Pakawanit, P., Supruangnet, R., Pongchaikul, P., Posoknistakul, P., Laosiripojana, N., Wu, K. C. W. and Sakdaronnarong, C.	TEMPO-Oxidized and Carbon Dots Bound Cellulosic Nanostructured Composite for Sustainable Fully Biobased Membranes for Separation of Nano/micro-Sized Particles/Molecules	Biomass and Bioenergy 197 (Jun 2025): 107798	Q1	5.8	Materials Science and Engineering
46	BL1.2: XTM	Khezri, R., Motlagh, S. R., Etesami, M., Pakawanit, P., Oлару, S., Somwangthanaroj, A. and Kheawhom, S.	Balancing Current Density and Electrolyte Flow for Improved Zinc-Air Battery Cyclability	Applied Energy 376 (Dec 2024) 124239	Q1	2.82	Materials Science and Engineering
47	BL1.2: XTM	Khezri, R., Motlagh, S. R., Etesami, M., Pakawanit, P., Limpirath, W., Kidkhunthod, P., Kamchompoo, S., Jungstittiwong, S., Oлару, S. and Kheawhom, S.	Tuning Zinc Deposition Chemistry: The Role of Barium Nitrate in Enhancing Zinc-Air Battery Longevity	Chemical Engineering Journal 519 (Sep 2025): 165752	Q1	13.2	Materials Science and Engineering
48	BL1.2: XTM	Khaing, E. M., Puyathorn, N., Yodsini, N., Phonarwut, N., Thammasut, W., Rojiviriya, C., Pichayakorn, W., Phattarateera, S. and Phaechamud, T.	Development and Evaluation of Cellulosic Esters Solvent Removal-Induced In Situ Matrices for Loading Antibiotic Drug for Periodontitis Treatment	Polymers 17 (2025): 1551	Q1	4.7	Medical Applications
49	BL1.2: XTM	Kingkam, W., Issarapanacheewin, S., Ukasi, S., Pulphol, P., Pakawanit, P., Vittayakorn, N., Pongampai, S. and Charoonsuk, T.	Rare Earth Oxide Dielectrics for Flexible Triboelectric Nanogenerator	Suranaree Journal of Science and Technology 32, 1 (Jan-Feb 2025): 030286	Q4	0.124	Materials Science and Engineering
50	BL1.2: XTM	Kitsawat, V., Siri, S., Pakawanit, P. and Phisalaphong, M.	Improved Electrical Conductivity and Mechanical Properties of Natural Rubber Composite Films by Incorporating Graphite and Chitosan	Journal of Applied Polymer Science (2025): e57497	Q2	2.8	Polymers
51	BL1.2: XTM	Kochchaphong, K., Wattanachai, P., Chaiwithee, S., Keereemasthong, T., Rachtanapun, P., Jantanasakulwong, K., Suhr, J. and Sawangrat, C.	Accelerating Strength Development Through Pozzolanic Activity in Hydrated Fly-Ash Cement Using Plasma-Activated Water	Journal of Materials Research and Technology 36 (May-Jun 2025): 5332-5340	Q1	6.2	Materials Science and Engineering
52	BL1.2: XTM	Mohsom, P., Suktep, N., Sae-Tang, C., Pongampai, S., Pakawanit, P., Bongkarn, T., Chiu, T. W., Maluangnont, T., Charoonsuk, T. and Vittayakorn, N.	Synergistic Integration of MgAl-LDH Nanosheets into Bacterial Cellulose for High-Performance Triboelectric Nanogenerators	ACS Sustainable Chemistry & Engineering 13 (2025): 12094-12109	Q1	7.1	Materials Science and Engineering
53	BL1.2: XTM	Navatragulpisit, S., Saetang, C., Mohsom, P., Sriphan, S., Pakawanit, P., Hajra, S., Kim, H. J., Ukas, S., Vittayakorn, N. and Charoonsuk, T.	Hybrid Textile Nanogenerators Based on Cotton-PANI/CNT Composites for Simultaneous Harvesting of Mechanical and Thermal Energy	ACS Applied Energy Materials 8, 11 (2025): 7622-7635	Q1	5.5	Micro Nanotechnology
54	BL1.2: XTM	Navatragulpisit, S., Krailadsirattana, P., Khwanming, R., Pongampai, S., Plaipichit, S., Wicharn, S., Pakawanit, P., Vittayakorn, U. and Charoonsuk, T.	Designing Weaving Pattern and Engineering Multilayer Structure of Nylon-acrylic Fabric Utilizing in Triboelectric Nanogenerator	Suranaree Journal of Science and Technology 32 (May-Jun 2025): 030301	Q4	0.2	Micro Nanotechnology
55	BL1.2: XTM	Osman, M. S., Ismail, M., Khairudin, K., Fathullah, M., Rojiviriya, C., Bakar, N. F. A., Radzi, M. R. M. and Isa, N.	Concise Review of Light-Driven Micromotor Synthesis and its Environmental Applications	Archives of Metallurgy and Materials 69 (2024): 1277-1282	Q3	0.7	Environmental Science
56	BL1.2: XTM	Padchasi, J., Siriroj, S., Montreeuppathum, A., Pakawanit, P., Laorodphan, N., Chanlek, N., Poo-arporn, Y. and Kidkhunthod, P.	Li-S-B Glass-Ceramics: A Novel Electrode Materials for Energy Storage Technology	Materials Science for Energy Technologies 8 (2025): 111-120	Q1	6.77	Materials Science and Engineering
57	BL1.2: XTM	Phahom, T., Soubsub, K., Sangsarn, P., Masavang, S., Roudaut, G., Rojiviriya, C. and Phoungchandang, S.	Comparative Study of Convective and Intermittent Microwave Drying of Red Water Lily (Nymphaea x rubra) Rhizomes: Drying Behavior, Microstructural Changes and Drying Effects on Thermal, Antioxidant and Adsorption Properties	Journal of Food Process Engineering 48, 6 (Jun 2025): e70150	Q2	2.7	Food and Agricultural Science

58	BL1.2: XTM	Poowancum, A., Rukkachat, K., <u>Pakawanit, P.</u> , Ponchio, C., Khumkoa, S. and Chokkha, S.	Study on Consistency and Density of Titanium Dioxide and Tungsten Trioxide Coatings on Conductive Glass from Dipping Process Affecting Light Absorption and Transmission	Suranaree Journal of Science and Technology 32, 2 (Mar-Apr 2025): 030279	Q4		Materials Science and Engineering
59	BL1.2: XTM	Preedanon, S., Klaysuban, A., Suetrong, S., Pracharoen, O., Promchoo, W., Sangtuan, T., <u>Rojviriya, C.</u> and Sakayaroj, J.	Morphological, Molecular and 3D Synchrotron X-ray Tomographic Characterizations of <i>Helicascus Satunensis</i> sp. nov., a Novel Mangrove Fungus	PeerJ. 12 (2024): e18341	Q1	3.8	Biological and Life Science
60	BL1.2: XTM	<u>Praofoon, N.</u> , <u>Siroroj, S.</u> , <u>Padchasri, J.</u> , <u>Pakawanit, P.</u> , Maitarad, P., Kheawhom, S. and <u>Kidkhunthod, P.</u>	Toward Sustainable Flexible Energy Storage: Green Fabrication of Screen-Printed flexible Zn-MnO ₂ /rGO/MWCNT Battery	Journal of Alloys and Compounds 1035 (Jul 2025): 181606	Q1	5.8	Materials Science and Engineering
61	BL1.2: XTM	Rachniyom, W., Intachai, N., Kothan, S., Wantana, N., Sarumaha, C. S., <u>Pakawanit, P.</u> , Phoovasawat, C., Phongsa, A., Yasaka, P., Thanayaphirak, W., Kanjanaboos, P., Kim, H. J., <u>Chanlek, N.</u> and Kaewkhao, J.	Fabrication of Eu2O ₃ Doped in High Density and Transparent Silicoborate Scintillating Glass for Synchrotron X-ray Radiographic Imaging Application	Ceramics International 51, 16 (Jun 2025): 22653-22662	Q1	5.1	Materials Science and Engineering
62	BL1.2: XTM	Riou, C., Sinpru, P., Suwanvichanee, C., Kamkrathok, B., Phoovasawat, C., <u>Rojviriya, C.</u> , Molee, W. and Molee, A.	Effect of Precursor Amino Acids for Carnosine Synthesis on Breast Fiber Microstructures and Myofiber Differentiation-Related Gene Expression in Slow-Growing Chicken	Animal Bioscience 37 (Nov 2024): 1834-1847	Q1	2.4	Food and Agricultural Science
63	BL1.2: XTM	Siritapetawee, J., Hua, Y., Talabnin, C., Naewwan, N., <u>Charoenwattanasatien, R.</u> , <u>Phoovasawat, C.</u> , <u>Srichan, S.</u> and Kantachot, C.	Potential for Application of Direct Thrombin Inhibitors Isolated from <i>Euphorbia Resinifera</i> O.Berg Latex in Fibrin Clot Formation	Journal of Chromatography B 1253 (Mar 2025): 124480	Q2	2.8	Medical Applications
64	BL1.2: XTM	Saichompoo, K., Kingkam, W., Issarapanacheewin, S., Ukasi, S., Pongampai, S., <u>Pakawanit, P.</u> , Limsuwan, P., Vittayakorn, N. and Charoonsuk, T.	Effective Rare-Earth Dielectric Addition and Gamma Ray Irradiation for Achieving Highly Efficient PDMS Triboelectric Nanogenerator	Radiation Physics and Chemistry 227 (Feb 2025): 112330	Q2	2.8	Earth Science, Archeology and Gemology
65	BL1.2: XTM	Sarumaha, C. S., Kantuptim, P., Yanagida, T., Intachai, N., Kothan, S., Kim, H. J., <u>Busayaporn, W.</u> , <u>Pakawanit, P.</u> , Phoovasawat, C., Kaewnuam, E. and Kaewkhao, J.	<u>The Effect of Calcium and Barium Fluoride on CeF₃ Doped in Gadolinium Phosphate Scintillating Glass</u>	Ceramics International 51 (Jul 2025): 22955-22966	Q1	5.1	Materials Science and Engineering
66	BL1.2: XTM	Somboon, S., Schlichenmaier, S., <u>Thumanu, K.</u> , <u>Pakawanit, P.</u> , Yodda, S., Sukitprapanon, T. and Lawongsa, P.	<u>Transformations in Physicochemical Properties and Pore Structure of Biochar Derived from Rice Straw Revealed by Synchrotron Techniques</u>	Scientific Reports 15 (2025): 23641	Q1	3.8	Environmental Science
67	BL1.2: XTM	Suppanucroa, N., Yoopensuk, W., Pimoei, J., Thanapong-amorn, W., Kao-Ian, W., <u>Pakawanit, P.</u> , Mahlendorf, F., Kheawhom, S. and Somwangthanaroj, A.	Enhanced Long-Term Stability of Zinc-Air Batteries Using a Quaternized PVA-Chitosan Composite Separator with Thin-Layered MoS ₂	Electrochimica Acta 510 (Jan 2025): 145361	Q1	5.5	Materials Science and Engineering
68	BL1.2: XTM	Suppanucroa, N., Yoopensuk, W., Thanapong-amorn, W., Rukkachat, K., <u>Pakawanit, P.</u> , Wu, H. L., Mahlendorf, F., Balz, L., Kheawhom, S. and Somwangthanaroj, A.	Quaternized PVA-MoS ₂ Composite Separator: Enhancing Long-Term Stability and Ion Transport in Secondary Zinc-Air Batteries	Journal of Energy Storage 121 (Jun 2025): 116497	Q1	8.9	Materials Science and Engineering
69	BL1.2: XTM	Sriphan, S., Worathat, S., <u>Pakawanit, P.</u> , Hajra, S., Kim, H. J. and Vittayakorn, N.	Tribovoltaic Performance of the Schottky Contact between Metal and PZT Ceramic	Ceramics International 50 (Dec 2024): 52067-52074	Q1	5.1	Materials Science and Engineering
70	BL1.2: XTM	Tariwong, Y., Kim, H.J., Quang, N. D., Khan, A., Daniel, D. J., Limsuwan, P., Wantana, N., <u>Pakawanit, P.</u> , Vittayakorn, N., Intachai, N., Kothan, S. and Kaewkhao, J.	Ca Co-Doped CsI(Tl) Crystal Scintillator for γ - and X-ray Detecting Applications	Radiation Physics and Chemistry 226 (Jan 2025): 112241	Q2	2.8	Physics
71	BL1.2: XTM	Thammasut, W., Senarat, S., Tuntarawongsa, S., Narakornwit, W., <u>Rojviriya, C.</u> , Pichayakorn, W., Phaechamud, T.	Development of Benzylamine HCl Loaded-Cellulose Acetate Butyrate in Situ Forming Gels for Periodontal Treatment	Journal of Drug Delivery Science and Technology 101 (Nov 2024): 106147	Q1	4.5	Medical Applications
72	BL1.2: XTM	Thammasut, W., <u>Rojviriya, C.</u> , Chaia, P., Phaechamud, T., Limsitthichakoon, S.	Moxifloxacin HCl -loaded Cellulose Acetate Butyrate In Situ Forming Gel for Periodontitis Treatment	AAPS PharmSciTech 25 (2024): 242	Q2	3.4	Medical Applications
73	BL1.2: XTM	Torgbo, S., Sukyai, P., Sukatta, U., <u>Rojviriya, C.</u> and <u>Kamonsutthipajit, N.</u>	<u>Valorization of Rambutan (<i>Nephelium lappaceum</i> L.) Peel: an Enzymatic Approach Toward a Biopolymer Absorbent Foam</u>	Cellulose 31 ๒2024๗๗ 9907-9923	Q1	4.9	Food and Agricultural Science
74	BL1.2: XTM	Ukasi, S., Saichompoo, K., Sae-tang, C., <u>Pakawanit, P.</u> , Pongampai, S., Hajra, S., Kim, H. J., Vittayakorn, N. and Charoonsuk, T.	Synergistic Piezo- and Triboelectricity in a Novel Triglycine Sulfate/Bacterial Cellulose/Chitosan Flexible Composite Nanogenerator	Small 21 (Aug 2025): e2503582	Q1	13	Micro Nanotechnology
75	BL1.2: XTM	Usawattanakul, N., Chaisirijaroenpun, N., Sukyai, P., Sukatta, U., Watthanasakphuban, N., Nimchua, T., <u>Pakawanit, P.</u> , <u>Kamonsutthipajit, N.</u> and Torgbo, S.	<u>Green Extraction and Isolation of Cellulose Nanofibrils from Orchid (<i>Dendrobium sonia earsakul</i>) Stem for Wound Dressing Application</u>	OpenNano 22 (Mar 2025): 100229	Q1	6.48	Medical Applications
76	BL1.2: XTM	Wan-En, O., Yun-Ming, L., Cheng-Yong, H., Abdullah, M. M. A. B., Ngee, H. L., <u>Pakawanit, P.</u> , Lee, W. H., Ken, P. W., Hoe-Woon, T. and Yu-Xin, Y.	Magnesium Sulphate Resistance of Fly Ash One-Part Geopolymers: Influence of Solid Alkali Activators on Physical, Mechanical and Chemical Performance	Construction and Building Materials 446 (Oct 2024) 137971	Q1	7.4	Materials Science and Engineering
77	BL1.2: XTM	Wanmolee, W., Kraithong, W., Phanthasri, J., Pipattapanon, P., Samun, Y., Youngjan, S., Yodsin, N., Saengsrichan, A., Treetong, A., Phawa, C., <u>Pakawanit, P.</u> , Fuangnawakij, K., Laurenti, D., Geantet, C., Sakdaronnarong, C., Khemthong, P. and Sukrong, S.	<u>Structural Properties and Sustained Antimicrobial Activity of Thymol-Loaded Cellulose Nanofibers from One-Pot Synthesis via in Situ Dynamic Microfluidization</u>	International Journal of Biological Macromolecules 306 (May 2025): 141712	Q1	7.7	Materials Science and Engineering
78	BL1.2: XTM	Worathat, S., Pharino, U., <u>Pakawanit, P.</u> , Rattanachata, A., Muanghlua, R., Hajra, S., Kim, H. J., Sriphan, S. and Vittayakorn, N.	<u>Frictional Heat-Assisted Performance Enhancement in Dynamic Schottky Contact of Al/Ag₂Se-Based Tribovoltaic Nanogenerator</u>	Journal of Materiomics 11 (Jan 2025); 100854	Q1	9.4	Materials Science and Engineering
79	BL1.3W: SAXS	Aussanasuwannakul, A. and Singkammo, S.	Multiscale Characterization of Rice Starch Gelation and Retrogradation Modified by Soybean Residue (Okara) and Extracted Dietary Fiber Using Rheology, Synchrotron Wide-Angle X-Ray Scattering (WAXS), and Fourier Transform Infrared (FTIR) Spectroscopy	Foods 14 (2025): 1862	Q1	4	Food and Agricultural Science
80	BL1.3W: SAXS	Hayemasae, N., Saiwari, S., <u>Soontaranon, S.</u> , Fathurrohman, M. I. and Masa, A.	Potential for Using Sepiolite as Dispersing Agent in Phenolic Resin Crosslinked Natural Rubber/Silica Composites	Express Polymer Letters 19 (2025): 339-349	Q2	2.7	Polymers
81	BL1.3W: SAXS	Hayemasae, N., <u>Soontaranon, S.</u> , Zakaria, Z., Rasidi, M. S. M. and Masa, A.	Effect of Styrene Content on Structure and Properties of Vulcanizates from Natural Rubber Grafted with Polystyrene	Progress in Rubber, Plastics and Recycling Technology	Q3	1.1	Polymers
82	BL1.3W: SAXS	Ibrahim, M., Zaidi, F. H. A., Ibrahim, W. M. W., Ahmad, R., Abdullah, M. M. A. B., Noorlin, F. F. and Azahar, R. H.	Investigating the Efficacy of Metakaolin based Alkali Activated Materials for Efficient Removal of Nickel and Lead Ions	Materials Research Express 12 (2025): 036501	Q2	1.8	Materials Science and Engineering
83	BL1.3W: SAXS	Jariyasakoolroj, P., Kumsang, P., Phattarateera, S. and Kerddonfag, N.	Enhanced Impact Resistance, Oxygen Barrier, and Thermal Dimensional Stability of Biaxially Processed Miscible Poly(Lactic Acid)/Poly(Butylene Succinate) Thin Films	Polymers 16 (2024): 3033.	Q1	4.7	Surface, Interface and Thin Films
84	BL1.3W: SAXS	Jarntong, M., Wannalak, A., Masa, A., Thongnuanchan, B., Saito, H., <u>Soontaranon, S.</u> , Sakai, T. and Lopattananon, N.	Nanocellulose Reinforcement of Epoxidized Natural Rubber: Enhancing Strain-Induced Crystallization for high-Performance Bio-Composites	Polymer Composites 46 (Aug 2025): 9906-9919	Q1	4.8	Polymers
85	BL1.3W: SAXS	Junyusen, T., Sonsomboonsuk, S., Junyusen, P., Chatchavanthatri, N., <u>Nawong, S.</u> , <u>Kamonsutthipajit, N.</u> and <u>Pakawanit, P.</u>	<u>Ultra-Low Hydrostatic Pressure: A Novel Approach to Producing High-Quality Germinated Brown Rice Puffs</u>	LWT - Food Science and Technology 226 (Jun 2025): 117981	Q1	6	Food and Agricultural Science
86	BL1.3W: SAXS	Kajornprai, T., Sringam, J., Seejuntuek, A., <u>Kaewsuwan, D.</u> , <u>Kamonsutthipajit, N.</u> , <u>Chio-Srichan, S.</u> , Suppakarn, N. and Trongsatitkul, T.	<u>Crystal Evolution of Amorphous Poly(lactic acid) During Simultaneous Multi-step Tensile Deformation and Annealing</u>	Journal of Polymer Science 63 (Jan 2025): 192-203	Q1	3.9	Polymers
87	BL1.3W: SAXS	Ihsan, N. S. M. N., Sani, S. F. A., Looi, L. M., Pathmanathan, D., Cheah, P. L., Chiew, S. F., <u>Chio-Srichan, S.</u> , <u>Soontaranon, S.</u> and Bradley, D. A.	Supramolecular Arrangements in Human Amyloid Tissues Using SAXS	Biophysical Chemistry 316 (Jan 2025): 107349	Q2	3.3	Medical Applications

88	BL1.3W: SAXS	Ninjan, R., Thongnuanchan, B., Lopattananon, N., Salaeh, S., Tongnuanchan, P. and <u>Buangam, P.</u>	Heat-Sealable Paper Fabricated Using a Latex Coating Based on Modified Natural Rubber Filled with Gelatin	Express Polymer Letters 18 (2024): 1077-1093	Q2	2.7	Polymers
89	BL1.3W: SAXS	Petcharat, T., Chaijan, M., Indriani, S., Pongsetkul, J., Karnjanapratum, S. and Nalinanon, S.	Modulating Fish Gelatin Gelling Properties Through Furcellaran Addition: A Structural and Physicochemical Analysis	Gels 11 (2025): 381	Q1	5	Polymers
90	BL1.3W: SAXS	Phichaiapanich, P., Kosorn, W., Nampichai, N., Thavornnyutikarn, B. and Janvikul, W.	Compatibilized Ternary Blends of Polypropylene Copolymer, Polyethylene, and Thermoplastic Polyurethane for Fused Deposition Modeling Three-Dimensional Printing Technology: Preparation, Printing, and Properties	The Journal of Materials Science 60 (2025): 9937-9956	Q1	3.5	Materials Science and Engineering
91	BL1.3W: SAXS	Phukhrongthung, A., Iamprasertkun, P., Puchongkawarin, C., Sasrimuang, S., <u>Kamonsutthipajit, N.</u> , Kareeklin, N., Sawangphruk, M. and Luanwuthi, S.	3D Interconnected Graphene-like Porous Materials Derived from Sesbania for High-Voltage Aqueous Supercapacitors	ACS Omega 10 (2025): 26718-26728	Q1	3.7	Materials Science and Engineering
92	BL1.3W: SAXS	Poopisut, P., Somredngan, S., Thumanu, K., Parnpai, R. and Boontawan, A.	<u>Production of Nanocellulose-Based Biopolymer Scaffold for Liver Tissue Engineering</u>	Trends in Sciences 22 (2025): 10049	Q3	0.82	Medical Applications
93	BL1.3W: SAXS	Puyathorn, N., Tamdee, P., Yodsir, N., Phaechamud, T. and Sirirak, J.	Insight into the Phase Inversion of Myristic Acid In Situ Gels for Drug Delivery Applications	ACS Omega 10, 21 (2025): 21432-21449	Q2	3.7	Medical Applications
94	BL1.3W: SAXS	Rungswang, W., Jarumaneeroj, C., Makkaron, B., Charernsuk, M., Duekunthod, R., Nakawong, N., <u>Soontaranon, S. and Rugmai, S.</u>	Influences of the Comonomer Type on the Crystallization Kinetics of High-Density Polyethylene	Polymer Journal 57 (2025): 711-722	Q2	2.3	Polymers
95	BL1.3W: SAXS	Sringam, J., Kajornprai, T., Trongsatitkul, T. and Suppakarn, N.	Shape Memory Performance and Microstructural Evolution in PLA/PEG Blends: Role of Plasticizer Content and Molecular Weight	Polymers 17 (2025): 225	Q1	4.7	Materials Science and Engineering
96	BL1.3W: SAXS	Suwanangul, S., Arkanit, K., Kraithong, S., Sorndech, W., <u>Tastub, S.</u> , Rungraeng, N., Narkprasom, K., Laosam, P. and Sangsawad, P.	Impact of an Innovative Two-Step Temperature-Controlled Accelerated Germination Process on Phytochemical Enhancement, Digestibility, and Morphological Changes in Colored Rice	Food Chemistry 478 (Jun 2025): 143558	Q1	8.5	Food and Agricultural Science
97	BL1.3W: SAXS	Taron, W., Kasemphong, T., Sunon, P., Kaewket, K., <u>Kamonsutthipajit, N.</u> , Ketudat-Cairns, J. R., Bhakdisongkham, G., Tulalamba, W., Sanguansuk, S., Viprakasite, V. and Ngamchuea, K.	Bioanalytical Method for NAD+ Detection in Blood Plasma Utilizing Solution-Phase Candida Boidinii Formate Dehydrogenase and Electrochemical Detection	Analyst 150 (2025): 894-904	Q2	3.6	Medical Applications
98	BL1.3W: SAXS	Torgbo, S., Sukyai, P., Sukatta, U., <u>Rojviriyā, C. and Kamonsutthipajit, N.</u>	<u>Valorization of Rambutan (Nephelium lappaceum L.) Peel: an Enzymatic Approach Toward a Biopolymer Absorbent Foam</u>	Cellulose 31 ๖2024๗๗ 9907-9923	Q1	4.9	Food and Agricultural Science
99	BL1.3W: SAXS	Usawattanakul, N., Chaisirijaroenpun, N., Sukyai, P., Sukatta, U., Watthanasakphuban, N., Nimchua, T., <u>Pakawanit, P., Kamonsutthipajit, N.</u> and Torgbo, S.	<u>Green Extraction and Isolation of Cellulose Nanofibrils from Orchid (Dendrobium sonia earsakul) Stem for Wound Dressing Application</u>	OpenNano 22 (Mar 2025): 100229	Q1	6.48	Medical Applications
100	BL2.2: TRXAS	Chotchaitakul, R., Munpollasri, S., Donphai, W., <u>Limphirat, W.</u> , Poo-arporn, Y., Niipanich, S., Jantaratana, P., Witoon, T., Kongkachuichay, P. and Chareonpanich, M.	<u>Promotional Effect of External Magnetic Field in Fe_xO_y/ZSM-5 for Selective CO₂ Hydrogenation to C₂-C₄ and Aromatic Hydrocarbons</u>	Applied Catalysis A, General 690 (Jan 2025): 120036	Q2	4.7	Chemistry
101	BL2.2: TRXAS	Hongloi, N., Prapainainar, C., Sudsakorn, K., Kiatkittipong, W., Seubsai, A., <u>Limphirat, W.</u> and Prapainainar, P.	Hydrogenation of Palmitic Acid without External H ₂ : The Role of H-donor Solvents and Ni-based Catalysts in Biofuel Production	Fuel 392 (Jul 2025): 134874	Q1	6.7	Chemistry
102	BL2.2: TRXAS	Jansoda, I., Patdhanagul, N., <u>Poo-arporn, Y.</u> and Chanapatharapol, K. C.	Zeolite-Supported Cobalt Catalysts Derived from Natural Diatomite with High Catalytic Activity for Catalyzing NaBH ₄ Hydrolysis	Journal of Materials Research 39 (Dec 2024): 3370-3384	Q2	2.7	Chemistry
103	BL2.2: TRXAS	Maneewong, Y., Nimmanterdwong, P., Ratchahat, S., Sakdaronnarong, C., <u>Limphirat, W.</u> , Khemthong, P., Rungtaweeworanit, B., Faungnawakij, K., Assabumrungrat, S., Lin, Y. C., Kawi, S., Tomishige, K. and Srifā, A.	Enhancement of Hydrogenation Activity by Synergistically Promoting Re Booster in Ni/Al ₂ O ₃ Catalyst for Selectively Converting Levulinic Acid Into γ-Valerolactone	Chemical Engineering Journal 508 (Mar 2025): 160969	Q1	13.4	Chemistry
104	BL2.2: TRXAS	Musyarafah, M., Tanaka, I., Mohamed, Z., <u>Poo-arporn, Y.</u> , Ernawati, L., Yudoyono, G. and Prayitno, B.	Characterization of Zn-Doped MgTiO ₃ Powders Synthesized by Dissolved Metals Mixing Method	Indonesian Journal of Chemistry 25 (2025): https://doi.org/10.22146/ijc.95879	Q3	1	Materials Science and Engineering
105	BL2.2: TRXAS	Myint, W., Lolupiman, K., Yang, C., Woottapanit, P., <u>Limphirat, W.</u> , Kidkhunthod, P., Muzakir, M., Karnan, M., Zhang, X. and Qin, J.	<u>Exploring the Electrochemical Superiority of V₂O₅/TiO₂@Ti₃C₂-MXene Hybrid Nanostructures for Enhanced Lithium-Ion Battery Performance</u>	ACS Applied Materials & Interfaces 16 (2024): 53764-53774	Q1	8.3	Chemistry
106	BL2.2: TRXAS	Nooto, C., Chuaykaew, P., Singthuen, P., Solos, T., Preedawichitkun, Y., Khosukwiat, K., Wengwirat, K., Promchana, P., Kumar, R., Chung, P. W., <u>Poo-arporn, Y., Limphirat, W.</u> , Choojun, K. and Sooknoi, T.	<u>Reversibly Interconverted Cu⁺/Cu⁰-H Species as Active Sites for Selective Hydrogenation of Fatty Acid Methyl Esters to Fatty Alcohol Over Layered Double Hydroxide Derived CuMgAlO_x Catalysts</u>	Molecular Catalysis 575 (Mar 2025): 114898	Q2	3.9	Materials Science and Engineering
107	BL2.2: TRXAS	Obrom, W., Yingyuen, W., Nanmong, T., Deekamwong, K., Tawachkultanadilok, P., Wittayakun, J., Prayoonpokarach, S., <u>Poo-arporn, Y.</u> , Föttinger, K., Desaulniers, J. P. and Loiha, S.	<u>Investigating the Role of Zeolite Supports in Ni-Based Catalysts for CO₂-Methanation Using in Situ/Operando XAS-MS.</u>	Microporous and Mesoporous Materials 390 (May 2025): 113548	Q1	4.8	Chemistry
108	BL2.2: TRXAS	Pakapongpan, S., <u>Poo-arporn, Y.</u> , Ninket, S. and Poo-arporn, R. P.	A Disposable Electrochemical Sensor for Amyloid-β ₄₂ Protein Based on Molecular Imprinted Polymers with Nitrogen Doped Carbon Dots-Graphene Nanohybrid	Microchemical Journal 206 (Nov 2024): 111559	Q1	4.9	Materials Science and Engineering
109	BL2.2: TRXAS	Phichairatanaphong, O., Leelaphuthipong, O., <u>Poo-arporn, Y.</u> , Chareonpanich, Y. and Donphai, W.	<u>Catalytic Role of Nickel/Silica Foams Structure in Boosting Hydrogen Production from Methane</u>	Inorganic Chemistry Communications 175 (May 2025): 114213	Q1	4.4	Chemistry
110	BL2.2: TRXAS	Pleuksachat, S., Chaiyapo, N., Aranmala, K., Krabao, P., Kamma, N., Kaewmala, S., Prasongthum, N., <u>Limphirat, W.</u> , Jeong, Y., Choi, M.Y., Nash, J., and Meethong, N.	<u>Enhancing the Rate Capability and Cycling Stability of Na₄MnV(PO₄)₃/C Composite Cathodes via in Situ Carbon Dots Formation for Sodium-Ion Batteries</u>	ACS Applied Energy Materials 8 (2025): 8224-8233	Q1	5.5	Materials Science and Engineering
111	BL2.2: TRXAS	Sanni, A., Govindarajan, D., Kao-ian, W., <u>Limphirat, W.</u> , Tipplook, M., Teshima, K., Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	<u>Elucidating Mn²⁺/Mn³⁺ and Ni⁰/Ni²⁺ Redox Synergy in Hair-Derived Carbon-Supported Ag/Ni-MnO_x Supercapacitor</u>	ACS Applied Materials & Interfaces 17 (2025): 46936-46951	Q1	8.3	Materials Science and Engineering
112	BL2.2: TRXAS	Veann, C., <u>Limphirat, W.</u> , Maensiri, R. and Maensiri, S.	<u>Boosting Supercapacitor Performance with Ni-doped AgFeO₂ Nanoparticles</u>	Journal of Energy Storage 110 (Feb 2025): 115249	Q1	8.9	Materials Science and Engineering
113	BL2.2: TRXAS	Yamchumporn, P., Boonin, K., Triamnak, N., Sareein, T., Singsoog, K., Seetawan, T., <u>Limphirat, W.</u> , <u>Chanlek, N.</u> and Kaewkhao, J.	<u>In-Situ X-Ray Absorption Near Edge Structure Spectroscopy Study and Thermoelectric Properties of 30Li₂O: 3MoO₃: 60B₂O₃: 7CuO Glass</u>	Radiation Physics and Chemistry 224 (Nov 2024): 111934	Q2	2.8	Materials Science and Engineering
114	BL2.2: TRXAS	Yang, C., Woottapanit, P., Geng, S., Chanajaree, R., Lolupiman, K., <u>Limphirat, W.</u> , Zhang, X. and Qin, J.	<u>Biomimetic Inorganic-Organic Protective Layer for Highly Stable and Reversible Zn Anodes</u>	ACS Energy Letters 10 (2025): 337-344	Q1	19.5	Materials Science and Engineering
115	BL2.2: TRXAS	Zhang, D., Yue, Y., Yang, C., <u>Limphirat, W.</u> , Zhang, X., Qin, J., and Cao, J.	<u>Kinetics-Boosted and Dissolution-Suppressed Molybdenum-Doped vanadium dioxide for Long-Life Zinc-Ion Batteries</u>	Chemical Engineering Journal 506 (Jan 2025): 160160	Q1	13.4	Materials Science and Engineering
116	BL2.2: TRXAS	Zhang, D., Cao, J., Yang, C., Lolupiman, K., <u>Limphirat, W.</u> , Wu, X., Zhang, X., Qin, J. and Huang, Y.	<u>Highly Stable Aqueous Zn-Ion Batteries Achieved by Suppressing the Active Component Loss in Vanadium-Based Cathode</u>	Advanced Energy Materials 15, 15 (Apr 2025): 2404026	Q1	24.4	Materials Science and Engineering
117	BL3.1: XPS	Apiwat, C., Houghton, J. W., Ren, R., Tate, E., Edel, J. B., <u>Chanlek, N.</u> , Luksirikul, P. and Japrun, D.	Advancing Albumin Isolation from Human Serum with Graphene Oxide and Derivatives: A Novel Approach for Clinical Applications	ACS Omega 9 (2024): 40592-40607	Q2	3.7	Materials Science and Engineering
118	BL3.1: XPS	Arayawate, S., Kareeklin, N., Saisopa, T., Songsiririthigul, P. and Iamprasertkun, P.	Understanding Ion Intercalation Characteristics of Layered Materials in Superconcentrated Electrolytes: Effects of Concentration, Temperature, and Anion Identity	ACS Omega 10 (Sep 2025): 41938-41947	Q2	3.5	Materials Science and Engineering

119	BL3.1: XPS	Athikaphan, P., Jaitham, K., Saneaha, J., <u>Nijpanich, S.</u> , Neramittagapong, A., Grisdanurak, N. and Neramittagapong, S.	Optimization of Ru/ZSM-5 Catalyst for Selective d-glucose Hydrogenation to Sorbitol: A Box-Behnken Design Approach	Results in Engineering 24 (Dec 2024): 103541	Q1	6	Chemistry
120	BL3.1: XPS	Banjong, N., Thongyong, N., <u>Chanlek, N.</u> , Phromviyo, N., Pengpad, A. Srepusharawoot, P. and Thongbai, P.	Ultra-Low-Temperature Sintering for Giant Permittivity in CuO Ceramics via Cold Sintering Process	Ceramics International 50 (Dec 2024): 55421-55428	Q1	5.1	Materials Science and Engineering
121	BL3.1: XPS	Chia, M.Y., Chiu, W. S., Khiew, P. S., <u>Chanlek, N.</u> , Lee, H. C., Haw, C. Y., Abd-Shukor, R. and Hamid, M. A. A.	Trinary Nanohybrid Nanocomposite (Ag/MoS ₂ /ZnO): A Plausible Photoelectrode for Photoelectrochemical Water Splitting	CrystEngComm 27 (2025): 749-761	Q2	2.6	Micro Nanotechnology
122	BL3.1: XPS	Chotchaitakul, R., Mulpollasri, S., Donphai, W., <u>Limphirat, W.</u> , Poo-arporn, Y., <u>Nijpanich, S.</u> , Jantaratana, P., Witoon, T., Kongkachuichay, P. and Chareonpanich, M.	Promotional Effect of External Magnetic Field in Fe _x O _y /ZSM-5 for Selective CO ₂ Hydrogenation to C ₂ -C ₄ and Aromatic Hydrocarbons	Applied Catalysis A, General 690 (Jan 2025): 120036	Q2	4.7	Chemistry
123	BL3.1: XPS	Fitriana, F., Asih, R., Baqiya, M. A., <u>Kamonsuangkasem, K.</u> and Suasmoro, S.	Analysis of Electronic Configuration and Spin State Driving to Magnetic Properties of La ₂ xBa _{0.5} -xSr _{0.5} -xFe _{0.9} Ni _{0.1} O _{3-δ} (x = 0, 0.25)	Journal of Alloys and Compounds 1023 (Apr 2025): 180139	Q1	5.8	Materials Science and Engineering
124	BL3.1: XPS	Foophow, T., Lertkowitz, P., Kitthawee, U. and Phooinkong, W.	Preparation and Characterization of Dextran-Modified ZnO and Cup-doped ZnO Nanohybrid Material for Enhanced Antimicrobial Delivery and Activity	Carbohydrate Polymers 349 (Feb 2025) 122947	Q1	10.7	Medical Applications
125	BL3.1: XPS	Henjongchom, N., Ruengsisang, W., Soe, K. T., Kayunkid, N., Thongprong, N., Ketsombun, E., <u>Chanlek, N.</u> , <u>Supruangnet, R.</u> , <u>Saiyasombat, C.</u> , Rujisamphan, N., Supasai, T.	Cesium Moderation and Structural Transformation on α-CsPbI ₂ Br Perovskite Durability via Cation Retarding Migration: A Combined Simulation and Experimental Study	Solar Energy 288 (Mar 2025): 113290	Q1	6	Materials Science and Engineering
126	BL3.1: XPS	Jampreecha, T., Sawangprom, A., <u>Chanlek, N.</u> , Pinitsoontorn ⁴ , S, Meevasana, W. and Maensiri, S.	Fabrication and Performance of Monolithic β-Zn ₄ Sb ₃ /ZnO Thermoelectric Generator Module	Journal of Electronic Materials 54 (Jun 2025): 4460-4470	Q2	2.2	Physics
127	BL3.1: XPS	Juntree, N., Sawatdee, S., Pongchaikul, P., Arjfuk, P., Wanmolee, W., Khemthong, P., <u>Chanlek, N.</u> , Srifa, A., Posoknistakul, P., Laosiripojana, N., Wu, K. C. W. and Sakdaronnarong, C.	Facile, Noninvasive, and Chemical-Free Hydrogen Peroxide and Glucose Detection Using a Fluorescent Cellulose Hybrid Film Embedded with PtRu/Carbon Dots	ACS Measurement Science Au 5, 3 (2025): 304-324	Q1	4.6	Medical Applications
128	BL3.1: XPS	Khan, M. J., Karim, Z., <u>Pakawanit, P.</u> , <u>Supruangnet, R.</u> , Pongchaikul, P., Posoknistakul, P., Laosiripojana, N., Wu, K. C. W. and Sakdaronnarong, C.	TEMPO-Oxidized and Carbon Dots Bound Cellulosic Nanostructured Composite for Sustainable Fully Biobased Membranes for Separation of Nano/micro-Sized Particles/Molecules	Biomass and Bioenergy 197 (Jun 2025): 107798	Q1	5.8	Materials Science and Engineering
129	BL3.1: XPS	Khan, M. J., Sawatdee, S., Suksaard, M., Nantarattikul, Y., Botalo, A., Juntree, N., Pongchaikul, P., Arjfuk, P., Khemthong, P., Wanmolee, W., <u>Chanlek, N.</u> , Laosiripojana, N., Wu, K. c. W. and Sakdaronnarong, C.	Ultrafast Magneto-Inductive Synthesis of Carbon Dots from Plant-Based Precursors Using Deep Eutectic Solvents: A Comparative Study with Traditional Hydrothermal Methods	Process Safety and Environmental Protection 195 (Mar 2025): 106752	Q1	6.9	Materials Science and Engineering
130	BL3.1: XPS	Khenkhom, P., Ritvirulh, C., Choojun, K., Preedawichitkun, Y., <u>Chanlek, N.</u> and Sooknoi, T.	Selective Hydrogenation of Polyunsaturated Fatty Acid Methyl Esters over Bifunctional Ligand-Modified Pd/MIL-101(Cr) Catalysts	Inorganic Chemistry 64 (2025): 18723-18734	Q1	4.3	Chemistry
131	BL3.1: XPS	Kumalayanti, L., Tabtamart, J., <u>Kidkhunthod, P.</u> , Chankhunthod, N. and Pinitsoontorn, S.	Photocatalytic Degradation Study of Paraquat Dichloride by Dumbbell-like TiO ₂ Capped Gold Nanorods under UV and NIR Irradiation	Surfaces and Interfaces 57 (Jan 2025): 105760	Q1	5.7	Environmental Science
132	BL3.1: XPS	Islam, M. K., Kongparakul, S., Guan, G., <u>Chanlek, N.</u> and Samart, C.	Oxidative Fractionation of Palm Kernel shell Waste Biomass over Bimetallic Co-Cu/Zeolite HY Catalyst	Biomass and Bioenergy 193 (Feb 2025): 107609	Q1	5.8	Chemistry
133	BL3.1: XPS	Janthima, R., Weeranantanapan, O., Injinda, S. and Siri, S.	Sustainable Fluorescent Carbon Dots From Apple Snail Eggs for Enhanced Visualization of Shed Skin Cells in Latent Fingerprints	Luminescence 40, 7 (2025): e70246	Q2	3	Micro Nanotechnology
134	BL3.1: XPS	Jiamprasertboon, A., Kafizas, A., Eknapakul, T., Choklap, T., Quinet, J., Sailuam, W., Jiang, P., <u>Supruangnet, R.</u> , <u>Nijpanich, S.</u> , Bootchanont, A., Boonyang, U., Siritanon, T. and Cottineau, T.	Insights into Unlocking the Latent Photocatalytic H ₂ Production Activity in the Protonated Aurivillius-Phase Layered Perovskite Na _{0.5} Bi _{2.5} Nb ₂ O ₉	Materials Research Bulletin 186 (Jun 2025): 113352	Q1	5.3	Materials Science and Engineering
135	BL3.1: XPS	Jumpatam, J., <u>Chanlek, N.</u> , Putasaeng, B. and Thongbai, P.	Microstructure, Dielectric, Non-Ohmic, and Humidity-Sensing Properties of Ca _{1+x} Cu _{2.9-x} Mg _{0.1} Ti ₄ O ₁₂ Ceramics	Ceramics International 51, 23 Part B (Sep 2025): 39713-39725	Q1	5.1	Materials Science and Engineering
136	BL3.1: XPS	Kaisook, P., Athikaphan, P., <u>Nijpanich, S.</u> , Minato, T., Neramittagapong, S. and Neramittagapong, A.	Ni/CeO ₂ Catalyst with La and Zr Additives for Improved Low-Temperature CO ₂ Methanation Efficiency	Results in Engineering 25 (Mar 2025): 103795	Q1	6	Materials Science and Engineering
137	BL3.1: XPS	Khruengsai, S., Pripdeevech, P., <u>Chanlek, N.</u> , <u>Thumanu, K.</u> , Muangmora, R., Rojvirorn, T. and Pongpiachan, S.	Chemical Characterization of Activated Carbon Derived from Napier Grass, Rubber Wood, Bamboo, and Hemp	International Journal of Renewable Energy Development 13 (2024): 1115-1124	Q2	2.5	Polymers
138	BL3.1: XPS	Kornphom, C., Somsri, W., Prasertpalichat, S., Thatawong, B., Kruea-In, C., Udeye, T., Rittidech, A., Menkun, C., Vittayakorn, N., Pinitsoontorn, S., Jantaratana, P., Chanlek, N. and Bongkarn, T.	Improved Dielectric, Magnetic, and Multiferroic Properties of (Bi _{0.5} Na _{0.5}) _{0.7} La _{0.3} (Ti _{0.7} Fe _{0.3}) ₃ O ₃ Ceramics Synthesis by the Solid-State Combustion Technique	Physica Status Solidi (A) Applications and Materials Science 222 (Jun 2025): 2300989	Q2	1.9	Materials Science and Engineering
139	BL3.1: XPS	Kulawong, S., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Wittayakun, J. and Osakoo, N.	Iron Hematite-Magnetite Composite Supported on Mesoporous SBA-15 Synthesized by Using Silica from Cogon Grass as a Solid Catalyst in Phenol Hydroxylation	Materials Chemistry and Physics 329 (Jan 2025): 130057	Q1	4.3	Materials Science and Engineering
140	BL3.1: XPS	Leela, T., Kongkoed, P., Athikaphan, P., Neramittagapong, A., Minato, T. and Neramittagapong, S.	Synergistic Effect of Ni and CeO ₂ on ZSM-5 Catalysts for Efficient Hydrogenation of Glucose to Sorbitol	Results in Engineering 25 (Mar 2025): 104020	Q1	6	Chemistry
141	BL3.1: XPS	Lertna, N., <u>Nijpanich, S.</u> , Neramittagapong, A., Neramittagapong, S. and Rood, S. C.	Kinetic Study of the Double dehydration of Sorbitol into Isosorbide Over Commercial Sulfonic Acid Resin	Molecular Catalysis 572 (Feb 2025): 114716	Q2	3.9	Chemistry
142	BL3.1: XPS	Mahawong, S., Onsi, P., Thaveemas, P., Kaowphong, S., <u>Nijpanich, S.</u> , Rattanachueskul, N., Techasakul, S., Chuenchom, L. and Dechtrirat, D.	Transforming Waste Into Value: Single-Step in Situ Synthesis of Magnetic Porous Carbon Composite Adsorbents from Sugarcane Bagasse and Iron Scrap	Scientific Reports 5 (2025): 16098	Q1	3.8	Environmental Science
143	BL3.1: XPS	Mingmuang, Y., <u>Chanlek, N.</u> , Takesada, M., Harnchana, V., Jarernboon, W., Moontragoon, P., Srepusharawoot, P., Swatsitang, E. and Thongbai, P.	Mechanisms of Enhanced Performance in Zr ⁴⁺ /Ta ⁵⁺ Codoped Rutile-TiO ₂ Ceramics via Broadband Dielectric Spectroscopy	Scientific Reports 14 (2024): 23406	Q1	3.8	Materials Science and Engineering
144	BL3.1: XPS	Mingmuang, Y., <u>Chanlek, N.</u> , Takesada, M., Swatsitang, E. and Thongbai, P.	Optimization of Low Sintering Temperature for Colossal Permittivity and Humidity Resistance in TiO ₂ Based Ceramics	Scientific Reports 15 (2025): 8107	Q1	3.8	Materials Science and Engineering
145	BL3.1: XPS	Munthala, D., Sonklin, T., <u>Chanlek, N.</u> , Mathur, A., Roy, S., Avasthi, D.K., Suksaweang, S. and Pojprapai, S.	Portable DNA Probe Detector and a New Dry-QCM Approach for SARS-CoV-2 Detection	Technologies 13 (2025): 114	Q1	4.2	Medical Applications
146	BL3.1: XPS	Nachaichot, A., Kenvised, O., Choram, S., <u>Nijpanich, S.</u> and Budsombat, S.	Catalytic Reduction of Nitrophenols and Dyes by HKUST-1/Hydrogel Composite	RSC Advances 15 (2025): 6974-6983	Q1	3.9	Chemistry
147	BL3.1: XPS	Ngokpho, B., <u>Janphuang, P.</u> , <u>Nijpanich, S.</u> , <u>Chanlek, N.</u> , <u>Wannapaiboon, S.</u> , Siritanon, T. and Ngamchuea, K.	Halide-Mediated Electrochemical Modification of Copper Phthalocyanine for Humidity Sensing Applications	Materials Advances 6 (2025): 658-669	Q1	5.2	Materials Science and Engineering
148	BL3.1: XPS	Obrom, W., Yingyuen, W., Nanmong, T., Deekamwong, K., Tawachkultanadilok, P., Wittayakun, J., Prayoonpokarach, S., <u>Poo-arporn, Y.</u> , Föttinger, K., Desaulniers, J. P. and Loiha, S.	Investigating the Role of Zeolite Supports in Ni-Based Catalysts for CO ₂ -Methanation Using in Situ/Operando XAS-MS.	Microporous and Mesoporous Materials 390 (May 2025): 113548	Q1	4.8	Chemistry
149	BL3.1: XPS	Phakkhawan, A., Sakulalavek, A., <u>Chanlek, N.</u> , <u>Nijpanich, S.</u> , Ngernyen, Y., Buranurak, S., Pimanpang, S. and Klangtakai, P.	Self-Activation of Carbons Derived from Bio-Waste Cabbage for a Green Supercapacitor Based on Seawater Electrolyte	Sustainable Materials and Technologies 42 (Dec 2024): e01143	Q1	8.6	Materials Science and Engineering

150	BL3.1: XPS	Phichairatanaphong, O., Leelaphuthipong, O., <u>Poo-arporn, Y.</u> , Chareonpanich, Y. and Donphai, W.	Catalytic Role of Nickel/Silica Foams Structure in Boosting Hydrogen Production from Methane	Inorganic Chemistry Communications 175 (May 2025): 114213	Q1	4.4	Chemistry
151	BL3.1: XPS	Pleuksachat, S., Chaiyapo, N., Aranmala, K., Krabao, P., Kamma, N., Kaewmala, S., Prasongthum, N., <u>Limphirat, W.</u> , Jeong, Y., Choi, M.Y., Nash, J., and Meethong, N.	Enhancing the Rate Capability and Cycling Stability of Na4MnV(PO4)3/C Composite Cathodes via in Situ Carbon Dots Formation for Sodium-Ion Batteries	ACS Applied Energy Materials 8 (2025): 8224-8233	Q1	5.5	Materials Science and Engineering
152	BL3.1: XPS	Rajaramakrishna, R., Kaewkhao, J., Nikonorov, N. V., Aleksandrova, E., Kothan, S., <u>Busayaporn, W.</u> , Rahul, S., Gerasimova, M. A. and. Slyusareva, E. A	Influence of Gadolinium and Annealing Time in Dysprosium Doped Oxyfluoride Glasses for w-LED and Scintillating Photonic Device Applications	Next Materials 8 (Jul 2025): 100730	Q2024:Q1	n/a	Materials Science and Engineering
153	BL3.1: XPS	Sanni, A., Govindarajan, D., <u>Nijpanich, S.</u> , <u>Limphirat, W.</u> , Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	Al-Doped ZnO@CuO Nanoflower/Nanorod Heterostructures on CNTs as High-Performance Supercapacitor Electrodes in Redox-Supporting Electrolytes	Journal of Energy Storage 109 (Feb 2025): 115184	Q1	8.9	Materials Science and Engineering
154	BL3.1: XPS	Sanni, A., Govindarajan, D., <u>Nijpanich, S.</u> , <u>Limphirat, W.</u> , Tipplook, M., Teshima, K., Sangaraju, S. and Kheawhom, S.	Designing Dual-Phase ZnO-Al2O3-CuO Nanostructures for Enhanced Supercapacitor Performance	Materials Research Bulletin 189 (Sep 2025): 113443	Q1	5.3	Materials Science and Engineering
155	BL3.1: XPS	Sanni, A., Govindarajan, D., <u>Nijpanich, S.</u> , <u>Limphirat, W.</u> , Mohamad, A. A., Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	Unveiling a Paradigm Shift in Supercapacitor Dynamics: γ -Al2O3-Infused ZnO Nanorods with Redox-Active K4Fe(CN)6 Alkaline Electrolytes	Journal of Alloys and Compounds 1010 (Jan 2024): 177892	Q1	5.8	Materials Science and Engineering
156	BL3.1: XPS	Saowiang, N., Poolcharuansin, P., Chingsungnoen, A. and Pasaja, N.	Investigated the Ion Energy and the Microstructure properties of Tetrahedral Amorphous Carbon Film Produced by Pulsed Filtered Cathodic Vacuum Arc Combined with Plasma Biasing Technique	Journal of Metals, Materials and Minerals 34 (Dec 2024): 2168	Q1	0.7	Surface, Interface and Thin Films
157	BL3.1: XPS	Sawatdee, S. Botalo, A., Noinonmueng, T., Posoknistakul, P., Intra, P., Pongchaikul, P., Charnnok, B., <u>Chanlek, N.</u> , Laosiripojana, N., Wu, K. C. W. and Sakdaronnarong, C.	Fabrication of Multilayer Cellulose Filters Isolated from Natural Biomass for Highly Efficient Air Filtration for Replacement of Synthetic HEPA Filters	Process Safety and Environmental Protection 194 (Feb 2025): 216–230	Q1	6.9	Environmental Science
158	BL3.1: XPS	Senamart, N., Yingyuen, W., Obrom, W., Nanmong, T., Budsombat, S., Wittayakun, J., Prayoonpokarach, S. and Loiha, S.	Improving the Efficiency of Cr(VI) Reduction and Adsorption by Fe3O4 Using ZSM-5 Zeolite Support Prepared Through Various Methods	RSC Advances 15 (Feb 2025): 5808-5821	Q1	3.9	Environmental Science
159	BL3.1: XPS	Sinprachim, T., Klompong, N., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , Maensiri, S., Siripongdee, S., Chamsuk, W., Ohgoe, Y., Thouglor, P., Albutt, N. and Sonsupap, S.	Multi-phase Structure Electrospun CNF@Ag/Mn/Bi/Fe Composite Nanofiber Enhanced Supercapacitor Behavior	Journal of Alloys and Compounds 1016 (Feb 2025): 178922	Q1	5.8	Materials Science and Engineering
160	BL3.1: XPS	Sotornsak, S., <u>Chanlek, N.</u> , Phromviyo, N., Srepusharawoot, P., Wantala, K., Jarernboon, W. and Thongbai, P.	Tailored Microstructure and Superior Dielectric Response in NbyTi1-yO2 Ceramics Derived from High-Energy Ball Milling	Materials Technology Advanced Performance Materials 40 (2025): 2533939	Q2	2.9	Materials Science and Engineering
161	BL3.1: XPS	Srikam, S., Laohana, P., Tanapongpisit, N., Wongprasod, S., Nguyen, T. M. H., Meevasana, W., Maensiri, S., Bark, C. W. and Saerang, W.	Effect of Slurry Preparation Duration on Electrochemical Performance of Raspberry-Like NiO@C	Ionics 31 (2025): 5205-5216	Q2	2.4	Materials Science and Engineering
162	BL3.1: XPS	Sunon, P., Jakkrawhad, C., <u>Nijpanich, S.</u> and Ngamchuea, K.	One-Step Fabrication of Cobalt(II,III) Oxide@Poly(o-Phenylenediamine) for Non-Enzymatic Electrochemical Lactate Detection	Journal of The Electrochemical Society 172, 5 (2025): 057503	Q1	3.1	Materials Science and Engineering
163	BL3.1: XPS	Suwannaruang, T., Wantala, K., Shivaraju, H. P., Shahmoradi, B., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , <u>Nijpanich, S.</u> , <u>Chirawatkul, P.</u> and <u>Saiyasombat, C.</u>	Visible-Light-Driven Photodegradation of Pt-Derivative Anticancer Drug Carboplatin Over La-Fe-Modified SrTiO3 with Simultaneous Doping and Enhanced Pt-Photodeposited Catalyst	Journal of Water Process Engineering 71 (Mar 2025): 107387	Q1	6.3	Environmental Science
164	BL3.1: XPS	Thanamoon, N., Thongyong, N., Sreejivungsa, K., <u>Chanlek, N.</u> and Thongbai, P.	Enhanced Humidity-Sensing Performance of (Zr4+/Sb5+)-Codoped TiO2 Ceramics with Giant Dielectric properties	Journal of Advanced Ceramics 14 (Jan 2025): 9221005	Q1	18.6	Materials Science and Engineering
165	BL3.1: XPS	Thanee, K., Youngjan, S., Toomsan, W., Impeng, S., Namuangruk, S., Butburee, T., Rungnim, C., Prasitnok, K., Chawengkijwanich, C., Khunphonoi, R., <u>Nijpanich, S.</u> , Faungnawakij, K., Phanthasri, J. and Khemthong, P.	Scalable and Sustainable Synthesis of Activated Carbon-Supported Nanosilver with Sugar and Starch as Dual Agents for Disinfection and Chloroform Removal	Journal of Environmental Chemical Engineering 13 (Apr 2025): 115526	Q1	7.4	Environmental Science
166	BL3.1: XPS	Theekhasuk, N., Somdock, N., Voraud, A., Ounrit, I., Limsuwan, P., Kotmool, K., Sakdanuphab, R. and Sakulkalavek, A.	Post-Ball-Milling-Assisted Solid-State Synthesis of Bi4O4SeCl2: A Low Thermal Conductivity Material	Results in Physics 69 (2025): 108129	Q2	4.4	Materials Science and Engineering
167	BL3.1: XPS	Torrarit, P., Poompradub, S., Mohammadifar, M., Pattananuwat, P., Jayaraman, T., Jeong, Y., <u>Chanlek, N.</u> , Choi, M. Y. and Kasemchainan, J.	Highly Porous Activated Carbon from Betel Palm Shells as the Prospective Electrode for High-Performance Supercapacitors	Materials Science for Energy Technologies 8 (2025): 143-153	Q1	6.77	Materials Science and Engineering
168	BL3.1: XPS	Tuichai, W., Phromviyo, N., Chankhunthod, N., Srepusharawoot, P. and Thongbai, P.	Influences of Ga3+ Doping Content on Microstructure and Interfacial Polarization in Colossal Permittivity GaNb0.025Ti0.975-yO2 Ceramics	International Journal of Smart and Nano Materials 16 (2025): 84-102	Q1	4.5	Materials Science and Engineering
169	BL3.1: XPS	Utara, S., Salidkul, N., Karaphun, A., Sonsupap, S., <u>Chanlek, N.</u> , Hunpratub, S. and Phokha, S.	Structural, Morphological, Optical, and Electrochemical properties of Zn-doped CeO2/rGO Nanocomposites	Materials Science in Semiconductor Processing 189 (Apr 2025): 109288	Q1	4.2	Materials Science and Engineering
170	BL3.1: XPS	Veann, C., Sichumsaeng, T., Kalawa, O., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> and Maensiri, S.	Structure and Electrochemical Performance of Delafossite AgFeO2 Nanoparticles for Supercapacitor Electrodes	International Journal of Minerals, Metallurgy and Materials 32 (Jan 2025): 201–213	Q1	5.6	Materials Science and Engineering
171	BL3.1: XPS	Wanmolee, W., Kraithong, W., Phanthasri, J., Pipattanaporn, P., Samun, Y., Youngjan, S., Yodsini, N., Saengsrirachan, A., Treetong, A., Phawa, C., <u>Pakawanit, P.</u> , Fuangnawakij, K., Laurenti, D., Geantet, C., Sakdaronnarong, C., Khemthong, P. and Sukrong, S.	Structural Properties and Sustained Antimicrobial Activity of Thymol-Loaded Cellulose Nanofibers from One-Pot Synthesis via in Situ Dynamic Microfluidization	International Journal of Biological Macromolecules 306 (May 2025): 141712	Q1	7.7	Materials Science and Engineering
172	BL3.1: XPS	Wannasen, L., <u>Chanlek, N.</u> , Mongkolthananaruk, W., Daengsakul, S. and Pinitsoontorn, S.	Enhancing Electrochemical Properties of Bacterial Cellulose-Derived Carbon Nanofibers through Physical CO2 Activation	Materials Science for Energy Technologies 8 (2025): 13-23	Q1	16.5	Chemistry
173	BL3.1: XPS	Watcharamaisakul, S., <u>Janphuang, N.</u> , <u>Chueangam, W.</u> , <u>Srisom, K.</u> , <u>Rueangwittayanon, A.</u> , <u>Rittihong, U.</u> , <u>Tunmee, S.</u> , <u>Chanlek, N.</u> , Pornsetmetakul, P., Wirojsirasak, W., Watanarajanaporn, N., Ruethaivanich, K. and <u>Janphuang, P.</u>	Synthesis of Turbostratic Graphene Derived from Biomass Waste Using Long Pulse Joule Heating Technique	Nanomaterials 15 (2025): 468	Q1	4.4	Materials Science and Engineering
174	BL3.1: XPS	Wiboon, M., Leangtanom, P., Jaruwongrungrsee, K., <u>Chanlek, N.</u> , Wisitsoraat, A., Yordsri, V., Kongpark, P., Pookmanee, P. and Kruefu, V.	Ultraefficient Ammonia Gas Sensors Based on Pt-Loaded WO3 Nanobars	Physica Status Solidi (A) 222 (Jun 2025): 2400175	Q2	1.9	Micro Nanotechnology
175	BL3.1: XPS	Yamchumporn, P., Boonin, K., Triamnak, N., Sareein, T., Singsoog, K., Seetawan, T., <u>Limphirat, W.</u> , <u>Chanlek, N.</u> and Kaewkhao, J.	In-Situ X-Ray Absorption Near Edge Structure Spectroscopy Study and Thermoelectric Properties of 30Li2O: 3MoO3: 60B2O3: 7CuO Glass	Radiation Physics and Chemistry 224 (Nov 2024): 111934	Q2	2.8	Materials Science and Engineering
176	BL3.1: XPS	Yusop, N., Yusuf, Y., Samsudin, M. E. A., Azmi, N. S., Ahmad, M. A., <u>Chanlek, N.</u> and Zainal, N.	Influence of Nitridation Time on Growth of AlN Layers on Different Sapphire Substrate Off-Cut Angles	Materials Science in Semiconductor Processing 187 (Mar 2025): 109130	Q1	4.2	Surface, Interface and Thin Films
177	BL3.2U: PES/PEEM	Adam, I. M., Soe, K. T., Ruengsrirang, W., Ketsombun, E., Supasai, T., Sutthibutpong, T., Rujisamphan, N. and Thongprong, N.	SnO2/Perovskite Interface Engineering with Mixed-Halide Potassium Salts: A Pathway to Efficient and Stable Perovskite Solar Cells through a Combined Experimental-Density Functional Theory Approach	ACS Applied Materials & Interfaces 17, 21 (2025): 31000-31012	Q1	8.5	Materials Science and Engineering

178	BL3.2U: PES/PEEM	Anggoro, D., Sudarsono, Purwandari, E., Baqiya, M. A., Ramlil, M. M., Nakajima, H., Yudoyono, G. and Darminto	Tailoring Conductive Polyvinyl Alcohol Nanofibers: Thermal-Induced Structural evolution in Nitrogen for Energy Storage Device	Discover Materials 5 (2025): https://doi.org/10.1007/s43939-025-00197-8	n/a	n/a	Materials Science and Engineering
179	BL3.2U: PES/PEEM	Auwattanapun, K., Bermundo, J. P. S., Hanifah, U., Nakajima, H., Limphirat, W., Techapiesancharoekij, R. and Uraoka, Y.	Spectroscopic Analysis of Electrical Phenomena and Oxygen Vacancy Generation for Self-Aligned Fully Solution-Processed Oxide Thin-Film Transistors	ACS Applied Materials & Interfaces 16 (Oct 2024): 60521-60529	Q1	8.5	Surface, Interface and Thin Films
180	BL3.2U: PES/PEEM	Aye, N. N. S., Maraming, P., Tippayawat, P., Daduang, S., Techasen, A., Sithithaworn, P., Rujanakraikarn, R., Jearanaikoon, N., Phatthanakun, R., Supruangnet, R., Photongkam, P. and Daduang, J.	Synthesis and Characterization of a Novel All-in-One Graphene Oxide-Nafion Polymer Bioconjugate for Application in Electrochemical Biosensing of the <i>Opisthorchis viverrini</i> Antigen	ACS Omega 10 (2025): 13621-13633	Q2	3.7	Micro Nanotechnology
181	BL3.2U: PES/PEEM	Baqiya, M. A., Purwandari, E., Asih, R., Astuti, F., Nakajima, H., Ibrahim, A., Wong, L. H. and Darminto	A Brief Review and Prospect of Amorphous Carbon and Reduced Graphene Oxides Derived from Biomass as a Low Cost and New Photovoltaic Cell	Applied Surface Science 700 (Aug 2025): 163203	Q1	6.3	Materials Science and Engineering
182	BL3.2U: PES/PEEM	Bodinthitikul, N., Lertvanithphol, T., Horprathum, M., Chaikereee, T., Nakajima, H., Milawan, S., Phae-ngam, W. and Jutarosaga, T.	Alternative Plasmonic Ti-Doped HfN Thin Films by Reactive Co-Magnetron Sputtering and their SERS Performances	Journal of Alloys and Compounds 1026 (May 2025): 180430	Q1	5.8	Surface, Interface and Thin Films
183	BL3.2U: PES/PEEM	Bunpheng, A., Saisopa, T., Iamprasertkun, P., Seubsai, A., Boonchun, A., Sirisaksoontorn, W. and Hirunpinoyopas, W.	Tuning Physicochemical Properties of Boron Nitride-Based Membranes via Scalable One-Step Exfoliation for Ionic and Molecular Nanofiltration	ACS Materials Au 5 (Jul 2025): 687-697	Q1	5.7	Surface, Interface and Thin Films
184	BL3.2U: PES/PEEM	Chaikereee, T., Kasayapanand, N., Mungkung, N., Phae-ngam, W., Botta, R., Lertvanithphol, T., Dhanasiwawong, K., Nakajima, H., Arunrungrusmi, S., Bodinthitikul, N., Klamchuen, A. and Horprathum, M.	Highly Stable and Reusable ZrHfN Nanorod Films: An Alternative SERS Substrate via Reactive co-Sputtering with OAD Technique	Applied Surface Science 689 (Apr 2025): 162500	Q1	6.3	Surface, Interface and Thin Films
185	BL3.2U: PES/PEEM	Chaiwas, S., Kasayapanand, N., Vora-ud, A., Chananonawathorn, C., Kowong, R., Limwichean, S., Wongdamnern, N., Nakajima, H. and Horprathum, M.	Enhanced Thermoelectric Power Factor of Magnetron Co-Sputtered Pd-Added Bi ₂ Te ₃ Thin Films	Vacuum 230 (Dec 2024): 113696	Q1	3.8	Surface, Interface and Thin Films
186	BL3.2U: PES/PEEM	Changpradub, K., Threrujirapong, T., Lertvanithphol, T., Amarit, R., Wongpanya, K., Tantiwanichapan, K., Wutikhun, T., Klamchuen, A., Nakajima, H. and Horprathum, M.	Hybrid Nanoarchitectonics of Tantalum Oxide-Coated Gold Nanoparticles as Localized Surface Plasmon Resonance-Based Sensors for Volatile Organic Compounds Detection	Physica Status Solidi (A) Applications and Materials Science 222 (Jun 2025): 2400181	Q2	1.9	Surface, Interface and Thin Films
187	BL3.2U: PES/PEEM	Choklap, T., Waehayee, A., Lerdwiriyanupap, T., Ngamwongwan, L., Muangsopa, P., Chankhanittha, T., Butburee, T., Nakajima, H., Nijpanich, S., Kamkaew, A., Suthirakun, S. and Siritanon, T.	Cd _{0.5} Zn _{0.5} /Bi ₂ MoO ₆ S-Scheme Heterojunction Photocatalyst for the Degradation of Dyes and the Oxidation of Amines	ACS Applied Nano Materials 8 (Sep 2025): 17409-17422	Q1	5.5	Chemistry
188	BL3.2U: PES/PEEM	Guo, X., Peng, Q., Shin, K., Zheng, Y., Tunmee, S., Zou, C., Zhou, X. and Tang, Y.	Construction of a Composite Sn-DLC Artificial Protective Layer with Hierarchical Interfacial Coupling Based on Gradient Coating Technology Toward Robust Anodes for Zn Metal Batteries	Advanced Energy Materials 14 (2024): 2402015	Q1	24.4	Materials Science and Engineering
189	BL3.2U: PES/PEEM	Henjongchom, N., Ruengsrising, W., Soe, K. T., Kayunkid, N., Thongprong, N., Ketsombun, E., Chanlek, N., Supruangnet, R., Saayasombat, C., Rujisamphan, N., Supasai, T.	Cesium Moderation and Structural Transformation on α -CsPbI ₂ Br Perovskite Durability via Cation Retarding Migration: A Combined Simulation and Experimental Study	Solar Energy 288 (Mar 2025): 113290	Q1	6	Materials Science and Engineering
190	BL3.2U: PES/PEEM	Jiamprasertboon, A., Kafizas, A., Eknapakul, T., Choklap, T., Quinet, J., Sailuam, W., Jiang, P., Supruangnet, R., Nijpanich, S., Bootchanont, A., Boonyang, U., Siritanon, T. and Cottineau, T.	Insights into Unlocking the Latent Photocatalytic H ₂ Production Activity in the Protonated Aurivillius-Phase Layered Perovskite Na _{0.5} Bi _{2.5} Nb ₂ O ₉	Materials Research Bulletin 186 (Jun 2025): 113352	Q1	5.3	Materials Science and Engineering
191	BL3.2U: PES/PEEM	Kamal, S. A. A., Ritikos, R., Goh, B. T., Hafiz, S. M., Nakajima, N. and Tunmee, S.	Bending Response Performance in Nitrogen-Doped Reduced Graphene Oxide-PEDOT:PSS: The Impact of Nitrogen Flow Rate on the Nitrogen Doping Configurations	Diamond & Related Materials 151 (Jan 2025): 111771	Q2	4.3	Materials Science and Engineering
192	BL3.2U: PES/PEEM	Khemasiri, N., Chananonawathorn, C., Horprathum, M., Pornthreeraphat, S., Saekow, B., Pankiew, A., Bootchanont, A., Songsiririthigul, P., Nakajima, H., Kasamechonchung, P., Wongwiriyan, W. Klamchue, A. and Nukeaw, J.	Rational Concept for Fully Designing Metal-Oxynitride Films through Reactive Gas-Timing Magnetron Sputtering: A Case Study on Zinc Oxynitride Film	Journal of Alloys and Compounds 1037 (Aug 2025): 182211	Q1	5.8	Surface, Interface and Thin Films
193	BL3.2U: PES/PEEM	Kittikool, T., Srathongsian, L., Seriwattanachai, C., Wongratanaphisan, D., Ruankham, P., Pakawatpanurut, P., Supruangnet, R., Nakajima, H. and Kanjanaboos, P.	120-Day Perovskite Solution Stability via Deprotonation and Iodine Reduction by a Pyrazolone-Based Additive	Solar Energy Materials and Solar Cells 285 (Jun 2025); 113545	Q1	6.3	Materials Science and Engineering
194	BL3.2U: PES/PEEM	Koetnियom, W., Taweessup, Y., Somboonsakri, P., Srirak, M., Nakajima, H., Lertvanithphol, T., Patthanasettakul, V., Jaruwongrungrong, K., Pogfay, T., Horprathum, M. and Limwichean, S.	Combined Reactive Gas Timing Magnetron Sputtering and Glancing Angle Deposition Technique Fabrication of Vertically Aligned Amorphous TiO ₂ Nanorod Films	Physica Status Solidi (A) Applications and Materials Science 222 (May 2025): 2401004	Q2	1.9	Surface, Interface and Thin Films
195	BL3.2U: PES/PEEM	Lerdwiriyanupap, T., Waehayee, A., Choklap, T., Prachanant, J., Nakajima, H., Chankhanittha, T., Butburee, T. and Siritanon, T.	CeO ₂ /BiYO ₃ Photocatalyst for the Degradation of Tetracycline under Visible Light Irradiation	Ceramics International 50 (Dec 2024): 52723-52732	Q1	5.1	Chemistry
196	BL3.2U: PES/PEEM	Manit, J., Kanjanaboos, P., Naweephattana, P., Naikaew, A., Srathongsian, L., Seriwattanachai, C., Nakajima, H., Supruangnet, R., Eiamprasert, U. and Kiatisevi, S.	Towards Device Stability of Perovskite Solar Cells through Low-Cost Alkyl-Terminated SFX-Based Hole Transporting Materials and Carbon Electrodes	Scientific Reports volume 14 (2024): 24167	Q1	3.8	Materials Science and Engineering
197	BL3.2U: PES/PEEM	Naikaew, A., Burimart, S., Srathongsian, L., Seriwattanachai, C., Sakata, P., Choodam, K., Khotmungkhun, K., Kanlayakan, W., Pansa-Ngat, P., Thant, K. K. S., Kanlayapattamapong, T., Ruankham, P., Nakajima, H., Supruangnet, R. and Kanjanaboos, P.	Solvent-Tailored Carbon Paste for Effective Carbon-Based Perovskite Solar Cells	Solar RRL 9, 8 (Apr 2025): 2400910	Q1	6	Materials Science and Engineering
198	BL3.2U: PES/PEEM	Obrom, W., Yingyuen, W., Nanmong, T., Deekamwong, K., Tawachkultanadilok, P., Wittayakun, J., Prayoonpokarach, S., Poo-arporn, Y., Föttinger, K., Desaulniers, J. P. and Loiha, S.	Investigating the Role of Zeolite Supports in Ni-Based Catalysts for CO ₂ -Methanation Using in Situ/Operando XAS-MS.	Microporous and Mesoporous Materials 390 (May 2025): 113548	Q1	4.8	Chemistry
199	BL3.2U: PES/PEEM	Phae-ngam, W., Prathumsit, J., Chaikereee, T., Bodinthitikul, N., Lertvanithphol, T., Nakajima, H., Jutarosaga, T., Horprathum, M. and Mungchamnankit, A.	Characterization of Ternary ZrHfN Thin Films Deposited by Closed-Field Dual-Cathode DC Unbalanced Reactive Magnetron Sputtering: A Preliminary Investigation on their Reusable SERS with High Thermal Stability	Materials Research Bulletin 185 (May 2025): 113301	Q1	5.3	Surface, Interface and Thin Films
200	BL3.2U: PES/PEEM	Phae-ngam, W., Chaikereee, T., Lertvanithphol, T., Dhanasiwawong, K., Gitgeatpong, G., Prathumsit, J., Nakajima, H., Treetong, A., Mathurasa, L., Sangsirimongkolying, R., Limwichean, S., Botta, R., Klamchuen, A. and Horprathum, M.	Investigation of TiCN Thin Films Prepared by Cathodic Arc Deposition for Alternative SERS Substrates	Materials Letters 390 (Jul 2025): 138454	Q2	2.7	Surface, Interface and Thin Films
201	BL3.2U: PES/PEEM	Phae-ngam, W., Gitgeatpong, G., Prathumsit, J., Horprathum, M., Lertvanithphol, T., Triamnak, N. and Nakajima, H.	Structural, Morphological, and Chemical Composition of Ternary ZrHfN Thin Films Deposited by Reactive Co-Magnetron Sputtering	Materials Chemistry and Physics 328 (Dec 2024): 129940	Q1	4.3	Surface, Interface and Thin Films
202	BL3.2U: PES/PEEM	Promhuad, P., Sawatmongkhon, B., Wongchang, T., Sukjit, E., Theinnoi, N. and Theinnoi, K.	Silver-Based Catalysts on Metal Oxides for Diesel Particulate Matter Oxidation: Insights from In Situ DRIFTS	ChemEngineering 9 (2025): 42	Q2	2.8	Chemistry
203	BL3.2U: PES/PEEM	Pudkon, W., Kanlayapattamapong, T., Arpornrat, T., Seriwattanachai, C., Kanjanaboos, P., Sagawa, T., Supruangnet, R., Nakajima, H., Wongratanaphisan, D. and Ruankham, P.	Regulating Crystal Growth and Enhancing Efficiency in CsPbBr ₃ Perovskite Solar Cells through the Incorporation of Pb(SCN) ₂ Additive in Ambient Multistep Deposition Process	Ceramics International 51 (2025): 44151-44160	Q1	5.1	Surface, Interface and Thin Films

204	BL3.2U: PES/PEEM	Purwandari, E., Asih, R., Sudarsono, Anggoro, D., Priyanto, B., Timuda, G. E., Baqiya, M. A., Santoso, I., <u>Nakajima, H.</u> , Ramlil, M. M., Subekti, A. and Darminto	Semiconducting Biomass-Based Amorphous Carbon Films and their Potential Application in Photovoltaic Devices	Materials Science in Semiconductor Processing 187 (Mar 2025): 109122	Q1	4.2	Materials Science and Engineering
205	BL3.2U: PES/PEEM	Rujisamphan, N., Soe, K. T., Moontragoon, P., Yaro, A. A., Ketsombun, E., <u>Supruangnet, R.</u> , Luo, D., Huang, Z. H., Liu, S. W. and Supasai, T.	Two-Dimensional Surface Passivation with Distinct Cations Enabling High Efficiency and Mechanical Durability in Flexible Perovskite Solar Cells	ChemSusChem 18 (Jun 2025): e202500232	Q1	7.5	Materials Science and Engineering
206	BL3.2U: PES/PEEM	Saisopa, T., Sailuam, W., Juntree, P., <u>Nakajima, H.</u> , <u>Supruangnet, R.</u> , Ceolin, D., Pinitsoontorn, S., Sirisathitkul, C., <u>Songsiriritthigul, P.</u> , Pandech, N. and Eknapakul, T.	Formation and Characterization of Mn-Bi-Al Ternary Alloys of Enhanced Magnetic Performance in MnBi/Al Composites	Solid State Sciences 157 ๖๓๓ 2024๓๗ 107730	Q2	3.4	Materials Science and Engineering
207	BL3.2U: PES/PEEM	Seriwattanachai, C., Sahasithiwat, S., Chotchuangchuchaval, T., Srathongsian, L., Wattanathana, W., Ning, Z., Phuphathanaphong, N., Sakata, P., Thant, K. K. S., Sukwiboon, T., Inna, A., Kanlayapattamapong, T., Kaewprajak, A., Kumnorkaew, P., <u>Supruangnet, R.</u> , Wongpinij, T., <u>Nakajima, H.</u> , Wongratanaphisan, D., Pakawatpanurut, P., Ruankham, P. and Kanjanaboos, P.	Ferrocene Interlayer for a Stable and Gap-Free P3HT-Based Perovskite Solar Cell as a Low-Cost Power Source for Indoor IoTs	ACS Photonics 12 (2025): 1329-1341	Q1	6.5	Materials Science and Engineering
208	BL3.2U: PES/PEEM	Tan, Y. P., Salleh, M. A. A. M., Sauli, Z., Somidin, F., <u>Kamonsuangkasem, K.</u> , <u>Tancharakorn, S.</u> , <u>Tantanuch, W.</u> , <u>Nakajima, H.</u> and Nogita, K.	Role of Ag Additions on Microstructure, Phase Transformation and Thermal Reactions of In-35Sn Alloys	Journal of Materials Science: Materials in Electronics 36 (2025): 1649	Q2	2.8	Materials Science and Engineering
209	BL3.2U: PES/PEEM	Tipparak, P., Passatorntaschakorn, W., Khampa, W., Musikpan, W., Usulor, C. E., Bhoomane, C., Singh, S., Gardchareon, A., Ngamjarurojana, A., Ruankham, P. and <u>Wongratanaphisan, D.</u>	The Impact of MAPbI3 Quantum Dots on CsFA Perovskite Solar Cells: Interface and Hole Extraction Improvement	ACS Applied Energy Materials 8 (2025): 355-365	Q1	5.5	Materials Science and Engineering
210	BL3.2U: PES/PEEM	Waehayee, A., Ngamwongwan, L., Kafizas, A., Chankhanitha, T., Butburee, T., <u>Nakajima, H.</u> , <u>Wannapaiboon, S.</u> , Pornsuwan, S., Suthirakun, S. and Siritanon, T.	Enhanced Photocatalytic Efficiency of Bi2MoO6 for Water and p-Nitroaniline Reduction via Iodate (I5+) Substitution: Implications of Small Polaron Formation	Chemical Engineering Journal 519 (Sep 2025): 165082	Q1	13.2	Chemistry
211	BL3.2U: PES/PEEM	Worathat, S., Pharino, U., <u>Pakawanit, P.</u> , <u>Rattanachata, A.</u> , Muanghlua, R., Hajra, S., Kim, H. J., Sriphan, S. and Vittayakorn, N.	Frictional Heat-Assisted Performance Enhancement in Dynamic Schottky Contact of Al/Ag2Se-Based Tribovoltaic Nanogenerator	Journal of Materiomics 11 (Jan 2025): 100854	Q1	9.4	Materials Science and Engineering
212	BL3.2U: PES/PEEM	Waiprasoet, S., <u>Kidkhunthod, P.</u> , <u>Nakajima, H.</u> , Ittisanronnchai, S., Prayongkul, P., Chattakoonpaisarn, C., Songkerdthong, J., Sukpoonprom, P., Sudyoadsuk, T., Promarak, V. and Pattanasattayavong, P.	Doping of Copper(I) Thiocyanate (CuSCN) with Metal Chlorides for p-Channel Thin-Film Transistors	ACS Applied Electronic Materials 6 (2024): 6837-6848	Q1	4.3	Materials Science and Engineering
213	BL3.2U: PES/PEEM	Watcharamaisakul, S., <u>Janphuang, N.</u> , <u>Chueangam, W.</u> , <u>Srisom, K.</u> , <u>Rueangwittayanon, A.</u> , <u>Rittihong, U.</u> , <u>Tunmee, S.</u> , <u>Chanlek, N.</u> , Pornsetmetakul, P., Wirojsirasak, W., Watanarojanaporn, N., Ruethaivanich, K. and <u>Janphuang, P.</u>	Synthesis of Turbostratic Graphene Derived from Biomass Waste Using Long Pulse Joule Heating Technique	Nanomaterials 15 (2025): 468	Q1	4.4	Materials Science and Engineering
214	BL3.2U: PES/PEEM	Wongthawachnugool, S., Limwichean, S., Eiamchai, P., Sombosaksri, P., Lertvanithphol, T., Pattanasattakul, V., <u>Nakajima, H.</u> , Horprathum, M., Triroj, N. and Jaroenapibal, P.	Enhanced Hydrophilicity and Optical Properties of TiO2 Slanted Nanorod Films Fabricated by Reactive Gas-Timing Magnetron Sputtering with Oblique Angle Deposition Technique	Vacuum 238 (Aug 2025): 114327	Q1	3.8	Materials Science and Engineering
215	BL4.1: IR	Ayamuang, I., Teethaisong, Y., Sirichaiwetchakoon, K., Suknasang, S., Watthana, S., Chaiseha, Y. and Eumkeb, G.	Galangin Synergistically Revives the Antibacterial Activity of Vancomycin Against Vancomycin-Resistant Enterococcus Faecium	Journal of Applied Microbiology 136 (Jan 2025):	Q2	3.2	Medical Applications
216	BL4.1: IR	Charoensuk, L., Thongpon, P., Sitthirach, C., Chaidee, A., Intuyod, K., Pairojikul, C., Khin, E. H. H., Jantawong, C., <u>Thumanu, K.</u> , Pinlaor, P., Hongsrirachan, N. and Pinlaor, S.	High-Fat/High-Fructose Diet and Opisthorchis Viverrini Infection Promote Metabolic Dysfunction-Associated Steatotic Liver Disease via Inflammation, Fibrogenesis, and Metabolic Dysfunction	Acta Tropica 261 (Jan 2025): 107491	Q1	2.1	Biological and Life Science
217	BL4.1: IR	Chuepeng, S., Klinkaew, N., <u>Thumanu, K.</u> , Theinnoi, K., Sukjit, E. and Dearn, K.	Effects of Castor Oil as Lubricity Enhancer on Friction and Wear Characteristics of Piston Engine Running on Diesohol	International Journal of Engine Research 26 (2025): https://doi.org/10.1177/14680874251314211	Q2	2.2	Environmental Science
218	BL4.1: IR	Dunkhunthod, B., <u>Thumanu, K.</u> , Teethaisong, Y., Sittisart, P. and Sittisart, P.	Cytoprotective Activity of Pogonatherum Paniceum (Lam.) Hack. Ethanolic Extract Evaluated by Synchrotron Radiation-Based Fourier Transform Infrared Microspectroscopy	Journal of Integrative Medicine 23 (Mar 2025): 182-194	Q1	4.2	Biological and Life Science
219	BL4.1: IR	Jantasaeng, O., Duclos, M. J., <u>Thumanu, K.</u> , Okrathok, S. and Khempaka, S.	Effects of Low-Purine Diet Supplemented with Sida Acuta Burm. f. on Growth Performance, Purine Deposition, and Biomolecules in Slow-Growing Chickens	Animal Bioscience 38 (2025): 17656-1772	Q1	2.64	Food and Agricultural Science
220	BL4.1: IR	Junyusen, T., Sonsomboonsuk, S., Junyusen, P., Chatchavanthatri, N., <u>Nawong, S.</u> , <u>Kamonsutthipajit, N.</u> and <u>Pakawanit, P.</u>	Ultra-Low Hydrostatic Pressure: A Novel Approach to Producing High-Quality Germinated Brown Rice Puffs	LWT - Food Science and Technology 226 (Jun 2025): 117981	Q1	6	Food and Agricultural Science
221	BL4.1: IR	Kajornprai, T., Sringam, J., Seejuntuek, A., <u>Kaewsuwan, D.</u> , <u>Kamonsutthipajit, N.</u> , <u>Chio-Srichan, S.</u> , Suppakarn, N. and Trongsatitkul, T.	Crystal Evolution of Amorphous Poly(lactic acid) During Simultaneous Multi-step Tensile Deformation and Annealing	Journal of Polymer Science 63 (Jan 2025): 192-203	Q1	3.9	Polymers
222	BL4.1: IR	Maimansomsuk, S., Teangrom, P., Teanchai, C., Sinthuvanich, C., Ruengket, P., <u>Attarataya, J.</u> and Akkarachaneeyakorn, K.	Methacrylic Acid/Tween 80 Engineered Amorphous Calcium Phosphate as an Effective Bioactive Reinforcing Nanofillers in Dental Adhesive	Dental Materials Journal 44 (Apr 2025): 190-200	Q2	1.9	Medical Applications
223	BL4.1: IR	Nurhartadi, E., Rodtong, S., <u>Thumanu, K.</u> , Park, S. H., Aluko, R. E. and Yongsawatdigul, J.	Antibacterial Activity of Enzymatic Corn Gluten Meal Hydrolysate and Ability to Inhibit Staphylococcus Aureus in Ultra-High Temperature Processed Milk	Food Control 169 (Mar 2025): 110998	Q1	5.6	Food and Agricultural Science
224	BL4.1: IR	Pimchan, T., Hamzeh, A., Siringan, P., <u>Thumanu, K.</u> , Hanboonsong, Y. and Yongsawatdigul, J.	Antibacterial Peptides from Black Soldier Fly (Hermetia illucens) Larvae: Mode of Action and Characterization	Scientific Reports 14 (2024): 26469	Q1	3.8	Biological and Life Science
225	BL4.1: IR	Pongpiachan, S., <u>Thumanu, K.</u> , <u>Tanhanuch, W.</u> , <u>Srisamut, D.</u> , <u>Pradabsri, J.</u> , Hashmi, M. Z., Sun, Y. and Poshyachinda, S.	Using Synchrotron Based ATR-FTIR, EXAFS, and XRF to Characterize the Chemical Compositions of TSP in Industrial Estate Area	Heliyon 10 (oct 2024); e39215	Q1	3.4	Chemistry
226	BL4.1: IR	Poopisut, P., Somredngan, S., Thumanu, K., Parnpai, R. and Boontawan, A.	Production of Nanocellulose-Based Biopolymer Scaffold for Liver Tissue Engineering	Trends in Sciences 22 (2025): 10049	Q3	0.82	Medical Applications
227	BL4.1: IR	Somboon, S., Schlichenmaier, S., <u>Thumanu, K.</u> , <u>Pakawanit, P.</u> , Yodda, S., Sukitprapanon, T. and Lawongsa, P.	Transformations in Physicochemical Properties and Pore Structure of Biochar Derived from Rice Straw Revealed by Synchrotron Techniques	Scientific Reports 15 (2025): 23641	Q1	3.8	Environmental Science
228	BL4.1: IR	Soontharapirakkul, K., <u>Kuaprasert, B.</u> and Choowongkamon, K.	Investigating Tiger Milk Mushroom (Lignosus rhinoceros) Biochemical Component Yield and Anticancer Properties Based on Different Casing Materials	Agriculture and Natural Resources 58 (2024): 513-526	Q3	0.321	Medical Applications
229	BL4.1: IR	Suwor, F., Kubota, S., <u>Nawong, S.</u> , Thuangsanthia, A., Toyra, M., Paengkoum, P. and Ponchunchoovong, S.	Effects of Cryoprotectant Combinations on Post-Thawed Sperm Quality, Biomolecular Changes, DNA Methylation, and Pregnancy Rates in Boer Goat Semen	Veterinary Sciences 12 (2025): 178	Q1	2	Biological and Life Science
230	BL4.1: IR	Thepbandit, W., <u>Nawong, S.</u> and Athinuwat, D.	Potential of a Microbial Co-Culture Composed of Bacillus Vallismortis TU-Orga21 and Bacillus subtilis TU-Orga1 to Improve the Efficacy of Controlling Damping-Off Caused by Pythium Aphanidermatum in Kale	Plant Pathology 74 (Aug 2025): 1527-1543	Q1	2.3	Food and Agricultural Science

231	BL5.2: XAS	Azarian, M. H., Yuwawech, K., Tanthanuch, W. , Junyusen, T., Wootthikanokkhan, J. and Sutapun, W.	Biocompatible, Biodegradable, and Antimicrobial Food Packaging Film from Polylactic Acid and Biogenic Vaterite CaCO ₃ -Ag Hybrid	Polymers 17, 10 (2025): 1345	Q1	4.7	Food and Agricultural Science
232	BL5.2: XAS	Chandakhiaw, T., Teaumroong, N., Piromyou, P., Songwattana, P., Tanthanuch, W. , Tancharakorn, S. and Khumkoa, S.	Efficiency of Penicillium sp. and Aspergillus sp. for Bioleaching Lithium Cobalt Oxide from Battery Wastes in Potato Dextrose Broth and Sucrose Medium	Results in Engineering 24 (Dec 2024): 103170	Q1	6	Materials Science and Engineering
233	BL5.2: XAS	Chang, X., Chacón-Borrero, J., Shang, J., Xiao, K., Montaña-Mora, G., Mejía-Centeno, K. V., Lu, X., Yu, A., Yu, J., Zhou, X., Tunmee, S. , Kidkhunthod, P. , Cui, C., Li, J., Tang, Y., Martínez-Alanis, P. R., Arbiol, J. and Cabot, A.	Improved Mn ⁴⁺ /Mn ²⁺ Contribution in High-Voltage Zn–MnO ₂ Batteries Enabled by an Al ³⁺ -Ion Electrolyte	Advanced Energy Materials 14 (2024): 2402584	Q1	24.4	Materials Science and Engineering
234	BL5.2: XAS	Charinpanitkul, T., Faungnawakij, K., Bamrungsap, S., Kiatphuengporn, S. and Tanthapanichakoon, W.	Advancement and Contributions of Nanoparticle Technology in Thailand from 2008 to 2024	KONA Powder and Particle Journal	Q2	4.1	Micro Nanotechnology
235	BL5.2: XAS	Chinnakutti, K. K., Sinthong, S., Gao, H., Tapia-Ruiz, N., Kidkhunthod, P. and Kasemchainan, J.	Unveiling Reaction Mechanisms of Non-Aqueous Aprotic Zn-Ion Batteries –Zn/LiFePO ₄ System	Journal of Alloys and Compounds 1010 (Jan 2025): 177279	Q1	5.8	Materials Science and Engineering
236	BL5.2: XAS	Chacon-Borrero, J., Chang, X., Min, Z., Yu, J., Montana-Mora, G., Mejía-Centeno, K. V., Sun, Y., Zhou, X., Tunmee, S. , Kidkhunthod, P. , Li, J., Llorca, J., Arbiol, J. and Cabot, A.	Boosting High-Loading Zinc-Ion Battery Performance: Zn-Doped δ-MnO ₂ Cathodes to Promote Zn ²⁺ Storage	Energy Storage Materials 81 (Sep 2025): 104486	Q1	18.9	Materials Science and Engineering
237	BL5.2: XAS	Choklap, T., Waehayee, A., Lerdwiriyanupap, T., Ngamwongwan, L., Muangsopa, P., Chankhanittha, T., Butburee, T., Nakajima, H. , Nijpanich, S. , Kamkaew, A., Suthirakun, S. and Siritanon, T.	Cd _{0.5} Zn _{0.5} /Bi ₂ MoO ₆ S-Scheme Heterojunction Photocatalyst for the Degradation of Dyes and the Oxidation of Amines	ACS Applied Nano Materials 8 (Sep 2025): 17409-17422	Q1	5.5	Chemistry
238	BL5.2: XAS	Chuewangkam, N., Kidkhunthod, P. and Pinitsoontorn, S.	Direct Evidence for the Mechanism of Early-Stage Geopolymerization Process	Case Studies in Construction Materials 21 (Dec 2024): e03539	Q1	6.5	Chemistry
239	BL5.2: XAS	Cui, S., Zhong, X., Li, Z., Zhu, P., Hu, J., Zhou, X., Kidkhunthod, P. , Wang, X., Mei, B. and Xu, B.	Nanosecond Laser Synthesis of MXene-Derived TiO ₂ /High-Entropy Alloys for Photo-Assisted Zinc–Air Batteries	Advanced Materials 37, 35 (Sep 2025): 2504099	Q1	27.4	Chemistry
240	BL5.2: XAS	Guo, Y., Chen, Y., Lim, G. J. H., Zhu, S., Lekina, Y., Cai, Y., Verma, V., Chan, K. K., Lim, J. J. N., Tang, E. J. J., Kidkhunthod, P. , Wong, M. W., Huang, Y., Shen, Z. X. and Srinivasan, M.	Reversible Alkaline Sulfur Cathode Based on Six-Electron Electrochemistry for Advanced Aqueous Sulfur Batteries	ACS Nano 19 (2025): 15522-15536	Q1	15.8	Materials Science and Engineering
241	BL5.2: XAS	Ji, B., Wang, Y., Zheng, Y., Zhou, X., Kidkhunthod, P. , Song, L. and Tang, Y.	Uncovering the Nonmonotonic Relationship between Total Activity and Single-Atom Density for Oxygen Reduction Catalysis	The Journal of Physical Chemistry Letters 16 (2025): 3133-3140	Q1	4.9	Chemistry
242	BL5.2: XAS	Juntree, P., Siroj, S. , Padchasi, J. , Songsiririthigul, P. and Kidkhunthod, P.	Development of Li-Ion Batteries Cathode Materials by Using Nickel and Cobalt Mixed Li-Borate Base Glass Composite with V ₂ O ₅ via Melt Quenching Method	Journal of Alloys and Compounds 1016 (Feb 2025): 178961	Q1	5.8	Materials Science and Engineering
243	BL5.2: XAS	Khejronrak, A., Montreeupatham, A., Siroj, S. , Padchasi, J. , Pasee, S. , Chanlek, N. , Kheawhom, S. and Kidkhunthod, P.	The Role of Sodium in the Electrochemical Tuning of Li ₂ TiSiO ₅ Anodes Across Ceramic and Glass Phases	Heliyon 10 (2024): e39410	Q1	3.4	Chemistry
244	BL5.2: XAS	Klinyod, S., Yomthong, K., Suttipat, D., Pornsetmetakul, P., Kidkhunthod, P. , Choojun, K., Namuangruk, S., Sooknoi, T. and Wattanakit, C.	Tailoring the First Coordination Shell of Isolated Ti(IV) Active Sites in Zeolite Frameworks Boosting Catalytic Activity in Epoxidation	ChemCatChem (2025): e202401862	Q1	3.8	Chemistry
245	BL5.2: XAS	Kulawong, S., Kidkhunthod, P. , Chanlek, N. , Wittayakun, J. and Osakoo, N.	Iron Hematite-Magnetite Composite Supported on Mesoporous SBA-15 Synthesized by Using Silica from Cogon Grass as a Solid Catalyst in Phenol Hydroxylation	Materials Chemistry and Physics 329 (Jan 2025): 130057	Q1	4.3	Materials Science and Engineering
246	BL5.2: XAS	Lim, G. J. H., Koh, J. J., Chan, K. K., Koh, X. Q., Padchasi, J. , Sutrisnoh, N. A. A., Verma, V., Raju, K., Kidkhunthod, P. and Srinivasan, M.	Reinforced Chitosan Polymer Electrolyte for Long-Life and Robust Laminated Li-Zn Structural Batteries	Advanced Functional Materials 35 (Aug 2025): 2423149	Q1	18.5	Materials Science and Engineering
247	BL5.2: XAS	Lim, K. H., Cao, K., Li, C., Song, G., Tanthanuch, W. , Kidkhunthod, P. , Chirawatkul, P. and Kawi, S.	Strong Metal–Support Interactions in Ni/KCC-1 Catalysts for Base-Growth Carbon Nanotubes in Methane Decomposition	ACS Catalysis 15 (2025): 16221-16235	Q1	11.3	Chemistry
248	BL5.2: XAS	Htet, T. L., Sripirommit, S., Asava-arunotai, M., Thu, M. M., Panomsuwan, G., Techapiesanchaenokij, R., Kidkhunthod, P. , Padchasi, J. and Jongprateep, O.	Enhanced Nitrite and Phosphate Detection through Ag-Doped TiO ₂ Sensing Material	International Journal of Minerals, Metallurgy and Materials 32 (2025): 2280-2293	Q1	5.6	Materials Science and Engineering
249	BL5.2: XAS	Meeboonanake, N., Pengsawang, A., Kraithong, W., Jiratanachotikul, A., Khemthong, P., Butburee, T., Kiatphuengporn, S., Thongratkaew, S., Junkaew, A., Donphai, W., Faungnawakij, K. and Kuboon, S.	Nickel Phyllosilicate-Based Catalyst Derived from Bagasse Fly Ash for H ₂ Production via Dry Reforming of Methane	International Journal of Hydrogen Energy 138 (2025): 368-378	Q1	8.1	Chemistry
250	BL5.2: XAS	Myint, W., Lolupiman, K., Yang, C., Woottapanit, P., Limphirat, W. , Kidkhunthod, P. , Muzakir, M., Karnan, M., Zhang, X. and Qin, J.	Exploring the Electrochemical Superiority of V ₂ O ₅ /TiO ₂ @Ti ₃ C ₂ -MXene Hybrid Nanostructures for Enhanced Lithium-Ion Battery Performance	ACS Applied Materials & Interfaces 16 (2024): 53764-53774	Q1	8.3	Chemistry
251	BL5.2: XAS	Naknonhan, S., Amnuaypanich, S., Randorn, C., Tanthanuch, W. and Amnuaypanich, S.	Pivotal Role of CaCO ₃ in Ca/ZnO Photocatalyst for Promoting the Degradation of Trichlorophenol	Journal of Environmental Chemical Engineering 13 (Apr 2025): 115501	Q1	7.4	Environmental Science
252	BL5.2: XAS	Obrom, W., Yingyuen, W., Nanmong, T., Deekamwong, K., Tawachkultanadiok, P., Wittayakun, J., Prayoonpokarach, S., Poo-arporn, Y. , Föttinger, K., Desaulniers, J. P. and Loiha, S.	Investigating the Role of Zeolite Supports in Ni-Based Catalysts for CO ₂ -Methanation Using in Situ/Operando XAS–MS.	Microporous and Mesoporous Materials 390 (May 2025): 113548	Q1	4.8	Chemistry
253	BL5.2: XAS	Padchasi, J. , Siroj, S. , Montreeupatham, A. , Pakawanit, P. , Laorodphan, N. , Chanlek, N. , Poo-arporn, Y. and Kidkhunthod, P.	Li-S-B Glass-Ceramics: A Novel Electrode Materials for Energy Storage Technology	Materials Science for Energy Technologies 8 (2025): 111–120	Q1	6.77	Materials Science and Engineering
254	BL5.2: XAS	Phatai, P., Siri-udom, S., Khemthong, P., Youngjan, S., Butburee, T., Roschat, W., Khunphonoi, R., Futalan, C. M., Kamonwannasit, S., Prasitnok, K. and Prasitnok, O.	Enhanced Antibacterial Activity of ZIF-8 and ZIF-67 Loaded Mn _{0.5} /Ce _{0.5} Mixed Oxide–Hydroxyapatite Composites	Materials Chemistry and Physics 346 (2025): 131344	Q1	4.3	Medical Applications
255	BL5.2: XAS	Promchana, P., Choojun, K., Wengwirat, K., Limphirat, W. and Sooknoi, T.	Highly Dispersed WO _x /SiO ₂ Catalysts Derived from W-TRIS Complex for Efficient Biobutadiene Productio from Acetylene-Ethylene Cross-Metathesis	Industrial & Engineering Chemistry Research 64 (2025): 18989-19002	Q1	3.8	Chemistry
256	BL5.2: XAS	Sereerattanakorn, P. , Siroj, S. , Padchasi, J. , Maitarad, P. and Kidkhunthod, P.	Lithium Borate Glass Ceramics and Multiwalled Carbon Nanotube Composites as Efficient Sulfur Hosts for Enhanced Lithium–Sulfur Batteries	ACS Applied Electronic Materials 7, 9 (2025): 3974-3982	Q1	4.4	Materials Science and Engineering
257	BL5.2: XAS	Shin, K., Pei, Y., Zhou, X., Chen, Q., Kidkhunthod, P. , Zheng, Y., Guo, X., Tunmee, S., Zhang, Q. and Tang, Y.	Reversible Anion-Cation Relay-Intercalation in a T-MnO ₂ Cathode to Boost the Efficiency of Aqueous Dual-Ion Batteries	Advanced Materials 37 (Jan 2025): 2413645	Q1	27.4	Materials Science and Engineering
258	BL5.2: XAS	Shoosri, T., Thongratkaew, S., Rungtaweeworani, B., Kraithong, W., Faungnawakij, K., Teerawatananond, T., Sooknoi, T., Kuboon, S., Panpranot, J. and Weerachawanasak, P.	Role of Copper Species in Copper Phyllosilicate Catalysts for the Catalytic Transfer Hydrogenation of Furfural to γ-Valerolactone	ChemCatChem 17 (2025): e202401661	Q1	3.8	Chemistry
259	BL5.2: XAS	Siri-Udom, S., Prasitnok, O., Prasitnok, K., Khemthong, P., Phawa, C., Roschat, W., Utara, S., Prachumrak, N., Sripirom, J. and Phatai, P.	Synthesis, Characterization, and Functional Analysis of Mixed Manganese/Cerium Oxide/Hydroxyapatite Nanocomposites for Antibacterial Applications	Journal of Cluster Science 36 (2025):	Q2	2.7	Medical Applications
260	BL5.2: XAS	Sinprachim, T., Klompong, N., Chanlek, N. , Kidkhunthod, P. , Maensiri, S., Siripongdee, S., Chamsuk, W., Ohgoe, Y., Thouglor, P., Albutt, N. and Sonsupap, S.	Multi-phase Structure Electrospun CNF@Ag/Mn/Bi/Fe Composite Nanofiber Enhanced Supercapacitor Behavior	Journal of Alloys and Compounds 1016 (Feb 2025): 178922	Q1	5.8	Materials Science and Engineering

261	BL5.2: XAS	Song, T., Wang, C., <u>Kidkhunthod, P.</u> , Zhou, X., Zhu, A., Lan, Y., Liu, K., Liang, J., Zhang, W., Yao, W., Tang, Y. and Lee, C. S.	Chemical Disorder Engineering Enables High-Voltage Stable Oxide Cathodes over -20-25 °C in Sodium-Ion Batteries	Energy Storage Materials 76 (Mar 2025): 104106	Q1	18.9	Materials Science and Engineering
262	BL5.2: XAS	Solehudin, M., Wengwirat, K., Promchana, P., <u>Poo-arporn, Y.</u> , <u>Limphirat, W.</u> , Choojun, K. and Sooknoi, T.	Hydrogen-Free Production of Green Diesel from Deoxygenation of Methyl Palmitate via Cross-Metathesis with Bio-Ethylene Using SupportedWO3 Catalyst	Chemistry - An Asian Journal 20 (Jun 2025): e01581	Q2	3.5	Chemistry
263	BL5.2: XAS	Sukpoonprom, P., <u>Kidkhunthod, P.</u> , Chattakoonpaisan, C., Ittisanronnachai, S., Sudyoadsuk, T., Promarak, V. and Pattanasattayavong, P.	Defect Healing and Improved Hole Transport in CuSCN by Copper(I) Halide	Journal of Materials Chemistry C 13 (2025): 7472-7483	Q1	5.7	Materials Science and Engineering
264	BL5.2: XAS	Sun, Y., Kurosaki, K., Imamura, T., Torata, R., Ohishi, Y., Palaporn, D., Nachaithong, T., Pinitsoontorn, S., <u>Padchasi, J.</u> , <u>Kidkhunthod, P.</u> , Suwannaruang, M. and Tanusilp, S.	Investigating Thermoelectric Properties of GeTe Alloys with Multi Element Doping: Insights from High-Entropy Engineering	ACS Omega 10 (2025): 32112-32121	Q1	4.3	Materials Science and Engineering
265	BL5.2: XAS	Suwannaruang, T., Wantala, K., Phuthongkhao, P., Hundt, J. P., Taffa, D. H., Wark, M. and <u>Kidkhunthod, P.</u>	Revealing Improved Photocatalytic Decomposition of Fluoroquinolone Antibiotic Over Hydrothermally Grown Perovskite SrTi1-xFexO3 Nanostructures	Surfaces and Interfaces 60 (Mar 2025): 106001	Q1	5.7	Environmental Science
266	BL5.2: XAS	Suwannaruang, T., Wantala, K., Shivaraju, H. P., Shahmoradi, B., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , <u>Nijpanich, S.</u> , <u>Chirawatkul, P.</u> and <u>Saiyasombat, C.</u>	Visible-Light-Driven Photodegradation of Pt-Derivative Anticancer Drug Carboplatin Over La-Fe-Modified SrTiO3 with Simultaneous Doping and Enhanced Pt-Photodeposited Catalyst	Journal of Water Process Engineering 71 (Mar 2025): 107387	Q1	6.3	Environmental Science
267	BL5.2: XAS	Thanee, K., Youngjan, S., Toomsan, W., Impeng, S., Namuangruk, S., Butburee, T., Rungnim, C., Prasitnok, K., Chawengkijwanich, C., Khunphonoi, R., <u>Nijpanich, S.</u> , Faungnawakij, K., Phanhasri, J. and Khemthong, P.	Scalable and Sustainable Synthesis of Activated Carbon-Supported Nanosilver with Sugar and Starch as Dual Agents for Disinfection and Chloroform Removal	Journal of Environmental Chemical Engineering 13 (Apr 2025): 115526	Q1	7.4	Environmental Science
268	BL5.2: XAS	Toomsan, W., Butcha, S., Paiplo, P., Bobuatong, K., Kittisabhorn, A., Yodsinn, N., Phanhasri, J., Youngjan, S., Thongratkaew, S., <u>Tanhanuch, W.</u> , Faungnawakij, K., Khemthong, P.	Impact of ZnO Morphology on the Catalytic Pathways for Glucose Conversion	Surfaces and Interfaces 62 (Apr 2025): 106288	Q1	5.7	Chemistry
269	BL5.2: XAS	Veann, C., Sichumsaeng, T., Kalawa, O., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> and Maensiri, S.	Structure and Electrochemical Performance of Delafossite AgFeO2 Nanoparticles for Supercapacitor Electrodes	International Journal of Minerals, Metallurgy and Materials 32 (Jan 2025): 201-213	Q1	5.6	Materials Science and Engineering
270	BL5.2: XAS	Waiprasoet, S., <u>Kidkhunthod, P.</u> , <u>Nakajima, H.</u> , Ittisanronnachai, S., Prayongkul, P., Chattakoonpaisarn, C., Songkerdthong, J., Sukpoonprom, P., Sudyoadsuk, T., Promarak, V. and Pattanasattayavong, P.	Doping of Copper(I) Thiocyanate (CuSCN) with Metal Chlorides for p-Channel Thin-Film Transistors	ACS Applied Electronic Materials 6 (2024): 6837-6848	Q1	4.3	Materials Science and Engineering
271	BL5.2: XAS	Wengwirat, K., Choojun, K., Promchana, P., <u>Limphirat, W.</u> and Sooknoi, T.	Bio-Derived Butadiene from Cross-Metathesis over Silanol Rich WO3 Catalysts Obtained from Copper Phyllosilicate	Catalysis Science & Technology 15 (2025): 3009-3021	Q2	4.4	Chemistry
272	BL5.2: XAS	Wongnaree, N., Patcharawit, T., Yingnakorn, T. and Khumkoa, S.	Leaching Kinetics of Valuable Metals from Calcined Material of Spent Lithium-Ion Batteries	ACS Omega 9 (2024): 46822-46833	Q2	3.7	Materials Science and Engineering
273	BL5.2: XAS	Xu, H., Wu, N., Ji, B., Cai, J., Yao, W., Wang, Z., Zhang, Y., Zhang, X., Guo, S., Zhou, X., <u>Kidkhunthod, P.</u> , Zheng, Y. and Tang, Y.	Lattice Water Deprotonation Enables Potassium-Ion Chemistries	Angewandte Chemie 64, 27 (Jul 2025): e202503904	Q1	16.9	Materials Science and Engineering
274	BL6: DXL	Kanpivit, N., Mattariganont, S., <u>Janphuang, P.</u> , Rongsak, J., Daduang, S., Chulikhit, Y. andThapphasaraphong, S.	Comparative Study of Lycopene-Loaded Niosomes Prepared by Microfluidic and Thin-Film Hydration Techniques for UVB Protection and Anti-Hyperpigmentation Activity	International Journal of Molecular Sciences 25 (2024): 11717	Q1	4.9	Surface, Interface and Thin Films
275	BL6: DXL	Monkratok, J., <u>Janphuang, P.</u> , Chansaepak, K., Lisund, S., Blay, V. and Pinyou, P.	Small but Mighty: A Microfluidic Biofuel Cell-Based Biosensor for the Determination of Ethanol	Molecules 30 (2025): 673	Q1	4.2	Micro Nanotechnology
276	BL6: DXL	Ngokpho, B., <u>Janphuang, P.</u> , <u>Nijpanich, S.</u> , <u>Chanlek, N.</u> , <u>Wannapaiboon, S.</u> , Siritanon, T. and Ngamchuea, K.	Halide-Mediated Electrochemical Modification of Copper Phthalocyanine for Humidity Sensing Applications	Materials Advances 6 (2025): 658-669	Q1	5.2	Materials Science and Engineering
277	BL7.2: MX	<u>Kuaprasert, B.</u> , Leartsakulpanich, U., Riengrungraj, P., Pornthanakasem, W., Suginta, W., Mungthin, M., Leelayoova, S., Kiriwan, D. and Choowongkamon, K.	Crystal Structure of Leishmania orientalis Triosephosphate Isomerase at 1.88 Å Resolution and Its Specific Inhibitors	Biochimie 233 (Jun 2025): 27-35	Q1	3.3	Medical Applications
278	BL7.2: MX	Pan-utai, W., Phomkaivon, N., Settachaimongkon, S., Pongponpai, P. and <u>Songsiriritthigul, C.</u>	Extraction, Characterization, Biological Properties, and X-Ray Fluorescence Analysis of Functional Polysaccharides Derived from Limnospira platensis	Life 15 (2025): 1213	Q1	3.2	Biological and Life Science
279	BL7.2: MX	Pongpiachan, S., <u>Thumanu, K.</u> , <u>Tanhanuch, W.</u> , <u>Srisamut, D.</u> , <u>Pradabsri, J.</u> , Hashmi, M. Z., Sun, Y. and Poshyachinda, S.	Using Synchrotron Based ATR-FTIR, EXAFS, and XRF to Characterize the Chemical Compositions of TSP in Industrial Estate Area	Heliyon 10 (Oct 2024): e39215	Q1	3.4	Chemistry
280	BL7.2: MX	Simanullang, W. F., Nganglumpoon, R., Watmanee, S., Pinthong, P., Tolek, W., Liu, Y. and Panpranot, J.	Room Temperature Synthesis of 3D-Nanocrystalline Graphitic Carbon from Biomass-Derived Sugars, Alcohols, and Polyphenolic Compounds	Nanoscale Advances 6 (2024): 4094-4102	Q1	4.6	Materials Science and Engineering
281	BL7.2: MX	Tan, Y. P., Salleh, M. A. A. M., Sauli, Z., Somidin, F., <u>Kamonsuangkasem, K.</u> , <u>Tancharakorn, S.</u> , <u>Tantanuch, W.</u> , <u>Nakajima, H.</u> and Nogita, K.	Role of Ag Additions on Microstructure, Phase Transformation and Thermal Reactions of In-35Sn Alloys	Journal of Materials Science: Materials in Electronics 36 (2025): 1649	Q2	2.8	Materials Science and Engineering
282	BL7.2: MX	Tandhavanant, S., Yimthin, T., Sengyee, S., <u>Charoenwattanasatien, R.</u> , Lebedev, A. A., Lafontaine, E. R., Hogan, R. J., Chewapreecha, C., West, T. E., Brett, P. J., Burtnick, M. N. and Chantratita, N.	Genetic Variation of Hemolysin Co-regulated Protein 1 Affects the Immunogenicity and Pathogenicity of Burkholderia Pseudomallei	PLOS Neglected Tropical Diseases 19 (Jan 2025): e0012758	Q1	3.4	Biological and Life Science
283	BL7.2: MX	Wen, Y., Yu, K., Zhan, S., Liao, X., Zhang, Z., Ran, X., Li, B., <u>Wannapaiboon, S.</u> and Yan, M.	Stacking Pressure Modulated Deposition and Dissolution of Zinc Anode	Nano-Micro Small 21 (Apr 2025): 2501242	Q1	13	Materials Science and Engineering
284	BL7.2: MX	Zaimi, N. S. M., Salleh, M. A. A. M., Aziz, M. S. A., Nadzri, N. I. M., Baser, M. F. H., <u>Tanhanuch, W.</u> , <u>Tancharakorn, S.</u> , <u>Mahakot, S.</u> and <u>Khan, C. Y.</u>	Microstructure Refinement, Thermal Stability and Mechanical Properties Improvements of Sn-3.0Ag-0.5Cu-xSb	Materials Characterization 227 (Sep 2025): 115324	Q1	5.5	Materials Science and Engineering
285	BL8: XAS	Auewattanapun, K., Bermundo, J. P. S., Hanifah, U., <u>Nakajima, H.</u> , <u>Limphirat, W.</u> , Techapiesanchaorenkij, R. and Uraoka, Y.	Spectroscopic Analysis of Electrical Phenomena and Oxygen Vacancy Generation for Self-Aligned Fully Solution-Processed Oxide Thin-Film Transistors	ACS Applied Materials & Interfaces 16 (Oct 2024): 60521-60529	Q1	8.5	Surface, Interface and Thin Films
286	BL8: XAS	Chavalekvirat, P., Saisopa, T., Sornnoi, N., Hirunpinyopas, W., Sirisaksoontorn, W., <u>Busayaporn, W.</u> and Iamprasertkun, P.	Tunable Properties of WSe2 Nanosheets and Nano-Dispersion via Energy Dependent Exfoliation	Materials Reports: Energy 5 (May 2025): 100326	Q1	13	Materials Science and Engineering
287	BL8: XAS	Chaiyapo, N., Jeong, Y., Plueksachard, S., Phuenhinlad, P., Thanwisai, P., Nash, J., <u>Limphirat, W.</u> , Theerthagiri, J., Choi, M. Y. and Meethong, N.	Impact of Electrolyte Concentration on Surface Properties and Electrochemical Performance of Aluminum Anodes in Aluminum-Ion Batteries	Advanced Materials Interfaces 12 (Aug 2025): e00289	Q1	4.4	Materials Science and Engineering
288	BL8: XAS	Chunhakowit, P., Phabjanda, Y., Aunwisat, A., <u>Busayaporn, W.</u> , Songsrirote, K. and Prayongpan, P.	Fabrication of Tannic Acid Incorporated Polyvinylpyrrolidone/Polyvinyl Alcohol Composite Hydrogel and Its Application as an Adsorbent for Copper Ion Removal	Scientific Reports 14 (2024): 28259	Q1	3.8	Polymers
289	BL8: XAS	Denala, D., <u>Busayaporn, W.</u> , <u>Limphirat, W.</u> , <u>Mahakot, S.</u> and Jitkarnka, S.	Cu Substitution on LaCu _x Ni _{1-x} O ₃ Perovskite Structure and Catalytic Activity for Glycerol Conversion Using Various Glycerol Feeds under Base- and H ₂ -Free Conditions	ACS Omega 10 (2025): 41310-41326	Q2	3.7	Chemistry

290	BL8: XAS	Etesami, M., Mano, P., Namuangruk, S., Khezri, R., Gopalakrishnan, M., Limphirat, W. , Yonezawa, T., Motlagh, S. R., Somwangthanaroj, A. and Kheawhom, S.	Solvent-free Synthesis of FeCo Alloy Nanoparticle-Embedded Nitrogen-Doped Carbon Nanotubes for Oxygen Reduction in Zinc-Air Batteries	International Journal of Hydrogen Energy 153 (Jul 2025): 150289	Q1	8.3	Chemistry
291	BL8: XAS	Khezri, R., Motlagh, S. R., Etesami, M., Pakawanit, P. , Limphirat, W. , Kidkhunthod, P. , Kamchompoo, S., Jungsuttiwong, S., Oлару, S. and Kheawhom, S.	Tuning Zinc Deposition Chemistry: The Role of Barium Nitrate in Enhancing Zinc-Air Battery Longevity	Chemical Engineering Journal 519 (Sep 2025): 165752	Q1	13.2	Materials Science and Engineering
292	BL8: XAS	Gopalakrishnan, M., Hlaing, m. T., Kulandaivel, T., Kao-ian, W., Etesami, M., Liu, W. R., Nguyen, M. T., Yonezawa, T., Limphirat, W. and Kheawhom, S.	Tunable N-doped Carbon Dots/SnO2 Interface as a Stable Artificial Solid Electrolyte Interphase for High-Performance Aqueous Zinc-Ion Batteries	Journal of Alloys and Compounds 1013 (Jan 2025): 178521	Q1	5.8	Materials Science and Engineering
293	BL8: XAS	Govindarajan, D., Selvaraj, M., Limphirat, W. , Kirubakaran, K., Murugadoos, G., Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	Synergistic Effects of Haematite/Hausmannite Anchored Graphene Hybrids in High-Energy Density Asymmetric Supercapacitors	Journal of Alloys and Compounds 1004 (2024) 175949	Q1	5.8	Materials Science and Engineering
294	BL8: XAS	Govindarajan, D., Sanni, A., Limphirat, W. , Kirubakaran, K., Murugadoss, G., Mohamad, A. A., Yonezawa, T. and Kheawhom, S.	Atomic-Level Synergy in Multi-valent Metal Oxide-Graphene Composites for Ultra-High-Performance Supercapacitors	Journal of Alloys and Compounds 1039 (Aug 2025); 183022	Q1	5.8	Materials Science and Engineering
295	BL8: XAS	Kulandaivel, T., Gopalakrishnan, M., Limphirat, W. , Wu, K. C. W., Liu, W. R., Pattanauwat, P. and Kheawhom, S.	Fused Ni9S6-Co9S8 Heterojunction Anchored on Porous Graphitic Carbon for High-Performance Asymmetric Supercapacitors	Journal of Alloys and Compounds 1026 (May 2025): 180481	Q1	5.8	Materials Science and Engineering
296	BL8: XAS	Kulandaivel, T., Gopalakrishnan, M., Limphirat, W. , Pornrunroj, C., Liu, W. R., Mohamad, A. A., Nguyen, M. T. and Yonezawa, T.	Hybrid g-C3N4/Sulfur-Enclosed MnS Micro/nanorods Accelerate Electron-Ion Transport and Asymmetric Supercapacitor Performance	Journal of Alloys and Compounds 1010 (Jan 2025): 178268	Q1	5.8	Materials Science and Engineering
297	BL8: XAS	Lee, Y., Theerthagiri, J., Limphirat, W. , Periyasamy, G., Jeong, G. H. Kheawhom, S., Tang, Y. and Choi, M. Y.	Pulsed Laser-Patterned High-Entropy Single-Atomic Sites and Alloy Coordinated Graphene Oxide for pH-Universal Water Electrolysis	Journal of Materials Chemistry A 13 (2025): 9073-9087	Q1	10.7	Chemistry
298	BL8: XAS	Lichtenberg, H., Boris, M. T., Klysubun, W. , Alexander, P and Josef, H.	Synchrotron Based X-Ray Absorption Spectroscopy for Structural Analysis of Basalt Fibers	Fibres and Textiles 31 (2024): 56-65	Q3	0.7	Earth Science, Archeology and Gemology
299	BL8: XAS	Marbaniang, P., Ingavale, S., Yoopensuk, W., Limphirat, W. , Wu, H., Tolek, W., Yospanya, W., Panpranot, J., Wang, Q., Kheawhom, S. and Pornrunroj, C.	Binder-Free Nickel Borate/Nickel Hydroxide Bifunctional Catalyst for Coupled Nitrate Reduction and Glycerol Oxidation Toward Sustainable Ammonia Production	ACS Applied Materials & Interfaces 17 (2025): 52010-52023	Q2	8.3	Chemistry
300	BL8: XAS	Naknonhan, S., Amnuaypanich, S., Randon, C., Tanthanuch, W. and Amnuaypanich, S.	Pivotal Role of CaCO3 in Ca/ZnO Photocatalyst for Promoting the Degradation of Trichlorophenol	Journal of Environmental Chemical Engineering 13 (Apr 2025): 115501	Q1	7.4	Environmental Science
301	BL8: XAS	Nguyen, B. T., Wehr, J. B., Kopittke, P. M., O'Hare, T. J., Menzies, N. W., Hong, H. T., McKenna, B. A., Klysubun, W. and Harper, S. M.	Benchmarking Bulb Yield, Medicinal Sulfur Compounds, and Mineral Nutrition of Garlic Varieties	ACS Omega 9 (2024): 45240-45250	Q2	3.7	Food and Agricultural Science
302	BL8: XAS	Nooto, C., Chuaykaew, P., Singthuen, P., Solos, T., Preedawichitkun, Y., Khosukwiat, K., Wengwirat, K., Promchana, P., Kumar, R., Chung, P. W., Poo-arporn, Y. , Limphirat, W. , Choojun, K. and Sooknoi, T.	Reversibly Interconverted Cu+/Cu++-H Species as Active Sites for Selective Hydrogenation of Fatty Acid Methyl Esters to Fatty Alcohol Over Layered Double Hydroxide Derived CuMgAlO x Catalysts	Molecular Catalysis 575 (Mar 2025): 114898	Q2	3.9	Materials Science and Engineering
303	BL8: XAS	Park, J., Theerthagiri, J., Yodsinn, N., Limphirat, W. , Junmon, P. and Choi, M. Y.	CO2 Laser-Stabilized Ni-Co Dual Single-Atomic Sites for Energy Generation and Ammonia Harvesting	Advanced Materials 37 (Jul 2025): 2506137	Q1	27.4	Chemistry
304	BL8: XAS	Pimoei, J., Kao-ian, W., Tipplook, M., Katsuya, T., Kamchompoo, S., Jungsuttiwong, S., Chen, J. L., Pao, C. W., Kidkhunthod, P. , Limphirat, W. , Kheawhom, S., and Somwangthanaroj, A.	Advancing Zinc-Iodine Battery Performance with MgAl Layered Double Hydroxides on Carbon for Iodine Encapsulation	Journal of Energy Storage 112 (Mar 2025): 115504	Q1	8.9	Materials Science and Engineering
305	BL8: XAS	Prietzl, J., Harrington, G., Hiesch, S. and Klysubun, W.	XANES Spectroscopy Proofs pH-Dependent P Sorption Partitioning to Fe Oxyhydroxides Versus Montmorillonite in Acidic Soils	Journal of Plant Nutrition and Soil Science	Q1	2.6	Food and Agricultural Science
306	BL8: XAS	Promchana, P., Choojun, K., Wengwirat, K., Limphirat, W. and Sooknoi, T.	Highly Dispersed WOx/SiO2 Catalysts Derived from W-TRIS Complex for Efficient Biobutadiene Productio from Acetylene-Ethylene Cross-Metathesis	Industrial & Engineering Chemistry Research 64 (2025): 18989-19002	Q1	3.8	Chemistry
307	BL8: XAS	Rajaramakrishna, R., Kaewkhao, J., Nikonorov, N. V., Aleksandrova, E., Kothan, S., Busayaporn, W. , Rahul, S., Gerasimova, M. A. and Slyusareva, E. A	Influence of Gadolinium and Annealing Time in Dysprosium Doped Oxyfluoride Glasses for w-LED and Scintillating Photonic Device Applications	Next Materials 8 (Jul 2025): 100730	Q2024:Q1	n/a	Materials Science and Engineering
308	BL8: XAS	Rajaramakrishna, R., Nikolay, N., Wantana, N., Kim, H. J., Kothan, S., Intachai, N., Busayaporn, W. , Kaewkhao, J., Parfenova, E. V. and Aleksandrovsky, A. S.	Quantum Yield, Energy transfer, and X-ray induced Study of Sm3+ Ions Doped Oxide Glasses for Intense Orange-Red Photo-Emitting Optoelectronic Device Applications	Chemical Physics 590 (Feb 2025): 112528	Q2	3.8	Materials Science and Engineering
309	BL8: XAS	Rajan, A. P. S., Theerthagiri, J., Limphirat, W. , Kumar, A., Senthil, R. A. and Choi, M. Y.	Pulsed Laser-Twisted Spinel-to-Rocksalt High-Entropy 3d-Metal Oxides for Selective Ammonia Electrosynthesis	Small 6 (Jun 2025): e2504457	Q1	13	Chemistry
310	BL8: XAS	Sanni, A., Govindarajan, D., Nijpanich, S. , Limphirat, W. , Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	Al-Doped ZnO@CuO Nanoflower/Nanorod Heterostructures on CNTs as High-Performance Supercapacitor Electrodes in Redox-Supporting Electrolytes	Journal of Energy Storage 109 (Feb 2025): 115184	Q1	8.9	Materials Science and Engineering
311	BL8: XAS	Sanni, A., Govindarajan, D., Nijpanich, S. , Limphirat, W. , Tipplook, M., Teshima, K., Sangaraju, S. and Kheawhom, S.	Designing Dual-Phase ZnO-Al2O3-CuO Nanostructures for Enhanced Supercapacitor Performance	Materials Research Bulletin 189 (Sep 2025): 113443	Q1	5.3	Materials Science and Engineering
312	BL8: XAS	Sanni, A., Govindarajan, D., Kao-ian, W., Limphirat, W. , Tipplook, M., Teshima, K., Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	Elucidating Mn2+/Mn3+ and Ni0/Ni2+ Redox Synergy in Hair-Derived Carbon-Supported Ag/Ni-MnOx Supercapacitor	ACS Applied Materials & Interfaces 17 (2025): 46936-46951	Q1	8.3	Materials Science and Engineering
313	BL8: XAS	Sanni, A., Govindarajan, D., Nijpanich, S. , Limphirat, W. , Mohamad, A. A., Theerthagiri, J., Choi, M. Y. and Kheawhom, S.	Unveiling a Paradigm Shift in Supercapacitor Dynamics: γ-Al2O3-Infused ZnO Nanorods with Redox-Active K4Fe(CN)6 Alkaline Electrolytes	Journal of Alloys and Compounds 1010 (Jan 2025): 177892	Q1	5.8	Materials Science and Engineering
314	BL8: XAS	Sarumaha, C. S., Kantuptim, P., Yanagida, T., Intachai, N., Kothan, S., Kim, H. J., Busayaporn, W. , Pakawanit, P. , Phoovasawat, C., Kaewnuam, E. and Kaewkhao, J.	The Effect of Calcium and Barium Fluoride on CeF3 Doped in Gadolinium Phosphate Scintillating Glass	Ceramics International 51 (Jul 2025): 22955-22966	Q1	5.1	Materials Science and Engineering
315	BL8: XAS	Sawatdee, S., Botalo, A., Pongchaikul, P., Posoknistakul, P., Phadungbut, P., Intra, P., Charnnok, B., Chanlek, N. , Photongkam, P. , Laosiripojana, N., Krisbiantoro, P. A., Wu, K. C. W. and Sakdaronnarong, C.	Design of Multilayer Cellulose-Based Filters Combined with Zeolitic Imidazole Framework and Silica Nanoparticles for Particulate Matter Filtration and Antibacterial Properties	ACS Sustainable Chemistry & Engineering 13, 19 (2025): 7074-7087	Q1	7.1	Micro Nanotechnology
316	BL8: XAS	Singkiburin, N., Srisittipokakun, N., Kiwsakunkran, N., Rajaramakrishna, R., Sarumaha, C. S., Busayaporn, W. , Angnanon, A., Intachai, N., Kothan, S., Kim, H. J. and Kaewkhao, J.	Influence of Asymmetry Around Eu3+ Ion on Luminescence Behaviours of ZnO1-Na2O-B2O3 Glasses Synthesized by Microwave and Conventional Melting Methods: Red Emitting Material Application	Radiation Physics and Chemistry 237 (2025): 113082	Q2	2.8	Materials Science and Engineering
317	BL8: XAS	Solehudin, M., Wengwirat, K., Promchana, P., Poo-arporn, Y. , Limphirat, W. , Choojun, K. and Sooknoi, T.	Hydrogen-Free Production of Green Diesel from Deoxygenation of Methyl Palmitate via Cross-Metathesis with Bio-Ethylene Using SupportedWO3 Catalyst	Chemistry - An Asian Journal 20 (Jun 2025): e01581	Q2	3.5	Chemistry

318	BL8: XAS	Thanyaphirak, W., Yasaka, P., Boonin, K., <u>Busayaporn, W.</u> , Tariwong, Y., Intachai, N., Kothan, S., Kim, H. J. and Kaewkhao, J.	Asymmetry effect on Luminescence Behaviors Phospho-Tellurite Glass Doped Eu ³⁺ : Judd-Ofelt analysis and EXAFS Investigations	Ceramics International 51 (Jul 2025): 25340-25350	Q1	5.1	Materials Science and Engineering
319	BL8: XAS	Utara, S., Loykaew, A., Khoonsap, S., <u>Mahakot, S.</u> and Amnuaypanich, S.	Natural Rubber Latex Grafted with Polyacrylamide as the Cement Admixture for Improving Flexural Strength and Toughness of Cement Pastes	Industrial Crops & Products 224 (Feb 2025): 120310	Q1	5.6	Materials Science and Engineering
320	BL8: XAS	Veann, C., <u>Limphirat, W.</u> , Maensiri, R. And Maensiri, S.	Boosting Supercapacitor Performance with Ni-doped AgFeO₂ Nanoparticles	Journal of Energy Storage 110 (Feb 2025): 115249	Q1	8.9	Materials Science and Engineering
321	BL8: XAS	Villalba-Ayala, G., Hurtarte, L. C. C., <u>Klysubun, W.</u> and Prietzal, J.	Combining Density Fractionation and Ca K-Edge XANES Reveals Contrasting SOM-Mineral Association Patterns Shaped by Parent Material in Forest Soil O Horizons	Journal of Plant Nutrition and Soil Science	Q1	2.6	Environmental Science
322	BL8: XAS	Wengwirat, K., Choojun, K., Promchana, P., <u>Limphirat, W.</u> and Sooknoi, T.	Bio-Derived Butadiene from Cross-Metathesis over Silanol Rich WO₃ Catalysts Obtained from Copper Phyllosilicate	Catalysis Science & Technology 15 (2025): 3009-3021	Q2	4.4	Chemistry
323	BL8: XAS	Wootapanit, P., Yang, C., Geng, S., Lolupiman, K., <u>Limphirat, W.</u> , Zhang, X., He, G. and Qin, J.	Electron Donation Effect of α -Boron Nanosheet Enables Highly Stable Zinc Metal Anode	Advanced Functional Materials	Q	18.5	Materials Science and Engineering
324	BL8: XAS	Wu, H., Zhang, D., Yue, Y., Lei, H., <u>Limphirat, W.</u> , Yang, X., Qin, J. and Cao, J.	Sulfur-Driven Structural Reinforcement for Long-Life Zn-Ion Storage	Inorganic Chemistry 64, 21 (2025):10675-10685	Q1	4.3	Materials Science and Engineering
325	BL8: XAS	Yang, C., Wootapanit1, P., Geng, S., Chanajaree, R., Shen, Y., Lolupiman, K., <u>Limphirat, W.</u> , Pakornchote, T., Bovornratanaraks, T., Zhang, X., Qin, J. and Huang, Y.	A Multifunctional Quasi-Solid-State Polymer Electrolyte with Highly Selective Ion Highways for Practical Zinc Ion Batteries	Nature Communications	Q1	14.7	Materials Science and Engineering
326	BL8: XAS	Yang, C., Wootapanit, P., Geng, S., Chanajaree, R., Lolupiman, K., <u>Limphirat, W.</u> , Zhang, X. and Qin, J.	Biomimetic Inorganic–Organic Protective Layer for Highly Stable and Reversible Zn Anodes	ACS Energy Letters 10 (2025): 337-344	Q1	19.5	Materials Science and Engineering
327	BL8: XAS	Zhang, D., Yue, Y., Yang, C., <u>Limphirat, W.</u> , Zhang, X., Qin, J., and Cao, J.	Kinetics-Boosted and Dissolution-Suppressed Molybdenum-Doped vanadium dioxide for Long-Life Zinc-Ion batteries	Chemical Engineering Journal 506 (Jan 2025): 160160	Q1	13.4	Materials Science and Engineering
328	BL8: XAS	Zhang, D., Cao, J., Yang, C., Lolupiman, K., <u>Limphirat, W.</u> , Wu, X., Zhang, X., Qin, J. and Huang, Y.	Highly Stable Aqueous Zn-Ion Batteries Achieved by Suppressing the Active Component Loss in Vanadium-Based Cathode	Advanced Energy Materials 15, 15 (Apr 2025): 2404026	Q1	24.4	Materials Science and Engineering
329	BL8: XAS	Zhao, B., Yodsini, N., Ma, H., Maitarad, P., <u>Limphirat, W.</u> , Han, Z., Zhou, Y., Yu, M., Liu, K., Yan, B., Zhao, X., Chen, G., Feng, X., Jia, R., Shi, L., Yuan, S. and Lv, Y.	Fully Lithiated Li _x TiO ₂ - δ Layer Coated Separator for Securing a Lithium-less Anode in an Ester-Based Electrolyte	ACS Nano 19, 23 (2025): 21525-21537	Q1	15.8	Materials Science and Engineering
330	BL8: XAS	Zhao, Y., Kantichaimongkol, P., Yang, C., Dai, Z., Xu, D., Zhang, X., Okhawilai, M., Pattananuwat, P., Zhang, X. and Qin, J.	Surface Engineering with Bifunctional Layer in LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ for High-Performance Cathode Materials of Lithium-Ion Batteries	Journal of Alloys and Compounds 1010 (Jan 2025): 177661	Q1	5.8	Materials Science and Engineering
331	CSEc	<u>Kuaprasert, B.</u> , Leartsakulpanich, U., Riangrunroj, P., Pornthanakasem, W., Suginta, W., Mungthin, M., Leelayoova, S., Kiriwan, D. and Choowongkamon, K.	Crystal Structure of Leishmania orientalis Triosephosphate Isomerase at 1.88 Å Resolution and Its Specific Inhibitors	Biochimie 233 (Jun 2025): 27-35	Q1	3.3	Medical Applications
332	CSEc	Pakornchote, T., Khamkaeo, S., Ektarawong, A. and Bovornratanaraks, T.	AA Stacking Phase of Diamane-like Carbon Nitrides: A First Principle Study and Its Thermal Conductivity	ACS Omega 10 (2025): 12288-12293	Q2	3.7	Materials Science and Engineering
333	CSEc	Pinsook, U., Tsuppayakorn-aek, P. and Bovornratanaraks, T.	Superconductivity in Hexagonal Ce _{0.5} La _{0.5} H ₉ under High Pressure	Physical Chemistry Chemical Physics 27 (2025): 768-774	Q2	2.9	Physics
334	CSEc	Teeratchanan, P., Pinsook, U., <u>Busayaporn, W.</u> and Thongnum, A.	Electronic Structures and Charge Transport Mobilities in Hybrid Organic–Inorganic Mixed Sn–Pb Alloyed Perovskites	Nanoscale 17 (2025): 1673-1686	Q1	5.8	Materials Science and Engineering
335	CSEc	Thajitr, W., <u>Busayaporn, W.</u> and Sukkabot, W.	Bilayer Graphene, Bilayer GeC and Graphene/GeC Bilayer Heterostructure as Anode Materials for Lithium-Ion Batteries: First-Principles Calculations	Journal of Physics and Chemistry of Solids 196 (Jan 2025): 112344	Q2	4.3	Materials Science and Engineering
336	CSEc	Tsuppayakorn-Aek, P., Bovornratanaraks, T. and Kotmool, K.	Exploring Phonon Mediated Superconductivity of LiB ₂ N ₂ and LiC ₂ N ₂ under High Pressure Insight from First-Principles Calculations	Scientific Reports 16, 15 (May 2025): 16986	Q1	3.8	Physics
337	Laboratory	Boonkong, S., Luasiri, P., Pongsetkul, J., Suwanandgul, S., <u>Chaipayang, S.</u> , Molee, W. and Sangsawad, P.	Exploring the Utilization of Bovine Blood as a Source of Antioxidant Peptide: Production, Concentration, Identification, and In Silico Gastrointestinal Digestion	Food Science of Animal Resources 44 (Nov 2024): 1283-1304	Q1	4.2	Biological and Life Science
338	Laboratory	Hongtong, R., Pipitworrakul, P., Chaikawang, C., Nash, J., Thamrongsiripak, N., Jangsawang, N., <u>Limphirat, W.</u> and Meethong, N.	Impacts of Radiation Sources on Structures and Electrochemical Performance of SiO ₂ /C Composite Anodes for Li-Ion Batteries	Radiation Physics and Chemistry 223 (Oct 2025): 111915	Q2	2.8	Materials Science and Engineering
339	Laboratory	Jitrangsi, K., Puyathorn, N., Thammasut, W., Tamdee, P., Yodsini, N., Sirirak, J., Rein, S. M. T. and Phaechemud, T.	Role of Cellulose Acetate Butyrate on Phase Inversion: Molecular Dynamics and DFT Studies of Moxifloxacin and Benzylamine HCl Within an In Situ Forming Gel	Polysaccharides 6 (2025): 73	Q1	4.82	Medical Applications
340	Laboratory	<u>Kuaprasert, B.</u> , Leartsakulpanich, U., Riangrunroj, P., Pornthanakasem, W., Suginta, W., Mungthin, M., Leelayoova, S., Kiriwan, D. and Choowongkamon, K.	Crystal Structure of Leishmania orientalis Triosephosphate Isomerase at 1.88 Å Resolution and Its Specific Inhibitors	Biochimie 233 (Jun 2025): 27-35	Q1	3.3	Medical Applications
341	Laboratory	Laosam, P., Luasiri, P., Nakharuthai, C., Boonanuntanasarn, S., Suwanangul, S., Sarnthima, R., Khammuang, S., Sanachai, K., Yongawatdigul, J., Rouabhia, M., <u>Tastub, S.</u> and Sangsawa, P.	Enzymatic Hydrolysis of Duck Blood Protein Produces Stable Bioactive Peptides: Pilot-Scale Production, Identification, and Stability During Gastrointestinal and Plasma Digestion	International Journal of Biological Macromolecules 283 (Dec 2024): 137864	Q1	7.7	Food and Agricultural Science
342	Laboratory	Nammana, B., Racho, P., <u>Nawong, S.</u> , Wichitsathian, B. and Tantrakarnapa, K.	Feasibility of Anaerobic Co-Digestion for Biogas Production from Recycled Paper Industry Sludge: Optimization of Mixing Ratios and Application in Two-Stage CSTR System Design	Water Science and Technology 92 (Sep 2025): 683–703	Q2	2.5	Environmental Science
343	Laboratory	Norman, A., Abdellatif, M., Ghourani, A. A., Cordova, K. E., <u>Borikul, N.</u> , Fang, T. H. and Abdullah, C. A. C.	Etingera elatior-Mediated Green Synthesis Titanium Dioxide Nanoparticles and Its Cytotoxicity	Macromolecular Symposia 414 (2025): 2400209	Q3	0.78	Materials Science and Engineering
344	Laboratory	Phosri, S., Naladta, A., Teerakulkitpong, N., Somsakeesit, L., <u>Tastub, S.</u> , Nualkaew, N. and Joopang, A.	Piperine Derivative, (2E,4E)-5-(benzo[d][1,3]dioxol-5-yl)-N-(2-hydroxyphenyl)penta-2,4-dienamide, Exerted Cytotoxic Activity Toward MCF-7 Breast Cancer Cells via Apoptosis: Gene Expression and Biomolecular Change Study	Biochemical and Biophysical Research Communications 766 (Jun 2025): 151895	Q1	2.5	Medical Applications
345	Laboratory	Puteri, D. C., Denala, D. and Jitkarnka, S.	Lactic Acid from Glycerol Transformation Using Ni _{0.2} Mg _{3.8} Al-LDO Embedded AgO/Oxide Catalysts without the Addition of a Base, O ₂ or H ₂	Journal of Industrial and Engineering Chemistry 149 (Sep 2025): 676-691	Q1	5.9	Chemistry
346	Laboratory	Sillapasa, K., Nakowong, K., Khantongkum, S. and Meengam, C.	An Investigation of the Fatigue Behavior and Dislocation Substructures of Friction-Stir-Welded SSM 6063 Aluminum Alloy	Journal of Manufacturing and Materials Processing 9 (2025): 128	Q1	3.3	Materials Science and Engineering
347	Laboratory	Somboot, P., Thuangchon, S., Phungsai, P., Ratpukdi, T. and Punyapalaku, P.	Removal of Dissolved Organic Matter from Sugar Mill Effluents using Magnetic Anion Exchange (MIEX) and Amberlite	Journal of Water Process Engineering 71 (Mar 2025): 107132	Q1	6.3	Environmental Science
348	Laboratory	Srisutush, J., Samruan, W., Anwised, P., Amzal, A., Rognard, C., Savatier, P., Aksoy, I., <u>Thumanu, K.</u> and Parnpai, R.	Characterization of Rhesus Macaque Embryonic Stem Cells in Primed and Naïve-like Cell States of Pluripotency Using Fourier Transform Infrared (FTIR) Microspectroscopy	International Journal of Molecular Sciences 26 (2025): 9514	Q1	4.9	Biological and Life Science
349	Laboratory	Tantala, J., Kaokham, P., Boonsupthip, W., <u>Thumanu, K.</u> , Rachtanapun, P., Naksang, P. and Rachtanapun, C.	Cellulose Casing Impregnated with Chitosan: Its Antimicrobial Activity and Application in Ready-to-Eat Sausage	Food Research International 208 (May 2025): 116108	Q1	7	Food and Agricultural Science

350	Laboratory	Thepbandit, W., <u>Nawong, S.</u> and Athinuwat, D.	Potential of a Microbial Co-Culture Composed of Bacillus Vallismortis TU-Orga21 and Bacillus subtilis TU-Orga1 to Improve the Efficacy of Controlling Damping-Off Caused by Pythium Aphanidermatum in Kale	Plant Pathology 74 (Aug 2025): 1527-1543	Q1	2.3	Food and Agricultural Science
351	Laboratory	Watcharamaisakul, S., <u>Janphuang, N.</u> , <u>Chueangam, W.</u> , <u>Srisom, K.</u> , <u>Rueangwittayanon, A.</u> , <u>Rittihong, U.</u> , <u>Tunmee, S.</u> , <u>Chanlek, N.</u> , <u>Pornsetmetakul, P.</u> , <u>Wirojsirasak, W.</u> , <u>Watanarojanaporn, N.</u> , <u>Ruethaivanich, K.</u> and <u>Janphuang, P.</u>	Synthesis of Turbostratic Graphene Derived from Biomass Waste Using Long Pulse Joule Heating Technique	Nanomaterials 15 (2025):, 468	Q1	4.4	Materials Science and Engineering
352	Laboratory	Yosboonruang, A., Kiddee, A., Siriphap, A., Pook-In, G., Suwancharoen, C., Duangjai, A., Praphasawat, R., Reuk-Ngam, N., <u>Nawong, S.</u> and Rawangkan, A.	Potential of Cannabidiol (CBD) to Overcome Extensively Drug-Resistant Acinetobacter Baumanni	BMC Complementary Medicine and Therapies 15 (Aug 2025): 308	Q1	2.836	Medical Applications
353	MES	Aye, N. N. S., Maraming, P., Tippayawat, P., Daduang, S., Techasen, A., Sithithaworn, P., <u>Rujanakraikarn, R.</u> , <u>Jearanaikoon, N.</u> , <u>Phatthanakun, R.</u> , <u>Supruangnet, R.</u> , <u>Photongkam, P.</u> and Daduang, J.	Synthesis and Characterization of a Novel All-in-One Graphene Oxide-Nafion Polymer Bioconjugate for Application in Electrochemical Biosensing of the Opisthorchis viverrini Antigen	ACS Omega 10 (2025): 13621-13633	Q2	3.7	Micro Nanotechnology
354	MES	Boonsiri, W., Aung, H. H., Aswakool, J., Santironnarong, S., Pothipan, P., <u>Phatthanakun, R.</u> , Chancharoen, W. and Moonwiryakit, A.	Quantitative Investigation of a 3D Bubble trapper in a High Shear Stress Microfluidic Chip using Computational Fluid Dynamics and L*A*B* Color Space	Biomedical Microdevices 27 (2025): https://doi.org/10.1007/s10544-024-00727-w	Q2	3	Micro Nanotechnology
355	MES	Maraming, P., Shean Aye, N. N., Panyakakaew, P., Tippayawat, P., Daduang, S., Choowongkamon, K., <u>Jearanaikoon, N.</u> , <u>Srisom, K.</u> , <u>Phatthanakun, R.</u> and Daduang, J.	Microfluidic Chip Designs and their Application for E Antigen Typing on Red Blood Cells	RSC Advances 15 (Feb 2025): 6077-6088	Q1	3.9	Medical Applications
356	MES	Mooltang, A., Sriboriboon, P., Thooppanom, N., Jindata, W., Tepakidareekul, M., <u>Srisom, K.</u> , Sangtawesin, S., <u>Janphuang, P.</u> and Meevasana, W.	Voltage-Tuned Polarization Control via UV Light in BiFeO3 Thin Film on Nb-SrTiO3	APL Materials 13 (Jul 2025): 071114	Q1	5.3	Surface, Interface and Thin Films
357	MES	Watcharamaisakul, S., <u>Janphuang, N.</u> , <u>Chueangam, W.</u> , <u>Srisom, K.</u> , <u>Rueangwittayanon, A.</u> , <u>Rittihong, U.</u> , <u>Tunmee, S.</u> , <u>Chanlek, N.</u> , <u>Pornsetmetakul, P.</u> , <u>Wirojsirasak, W.</u> , <u>Watanarojanaporn, N.</u> , <u>Ruethaivanich, K.</u> and <u>Janphuang, P.</u>	Synthesis of Turbostratic Graphene Derived from Biomass Waste Using Long Pulse Joule Heating Technique	Nanomaterials 15 (2025): 468	Q1	4.4	Materials Science and Engineering
358	Instrumentation	Jummunt, S., <u>Sunwong, P.</u> , <u>Prawanta, S.</u> , <u>Leetha, T.</u> , <u>Numanoy, P.</u> , <u>Thiabsi, N.</u> and <u>Sudmuang, P.</u>	Design and Prototype Development of a Combined-Function Quadrupole-Sextupole Magnet for the SPS-II Booster Synchrotron	Particles 8 (2025): 77	Q2	1.4	Physics
359	Instrumentation	<u>Naeosuphap, S.</u> , <u>Chaichuay, S.</u> , <u>Jummunt, S.</u> and <u>Sudmuang, P.</u>	Design and Optimization of a Broadband Stripline Kicker for Low Beam Emittance Ring Accelerator	Particles 8 (2025): 78	Q2	1.4	Physics
360	Instrumentation	<u>Phimsen, T.</u> , <u>Boonsuya, S.</u> , <u>Chitthaisong, S.</u> , <u>Sumklang, S.</u> , <u>Seegauncha, O.</u> , <u>Sonsuphap, N.</u> , <u>Sunwong, P.</u> , <u>Prawanta, S.</u> , <u>Jummunt, S.</u> , <u>Sudmuang, P.</u> and <u>Klysubun, P.</u>	Progress in Vacuum System Design for Thailand's New Light Source	Vacuum 234 (Apr 2025): 114111	Q1	3.8	Materials Science and Engineering
361	Instrumentation	<u>Promdee, W.</u> , <u>Kongtawong, S.</u> , <u>Suebka, S.</u> , <u>Pulampong, T.</u> , <u>Suradet, N.</u> , <u>Rujanakraikarn, R.</u> , <u>Hirunuran, P.</u> and <u>Jummunt, S.</u>	The Study and Development of BPM Noise Monitoring at the Siam Photon Source	Particles 8 (2025): 76	Q2	1.4	Physics
362	Instrumentation	<u>Tangvotkhajorn, W.</u> , <u>Leetha, T.</u> , <u>Prawanta, S.</u> and <u>Sunwong, P.</u>	Crosstalk Simulation of Magnets for Siam Photon Source II Storage Ring	Particles 8 (2025): 80	Q2	1.4	Physics
363	Others	Aung, H. H., Pothipan, P., Aswakool, J., Santironnarong, S., <u>Phatthanakun, R.</u> , Pinrod, V., Jiemsakul, T., Chancharoen, W. and Moonwiryakit, A.	Non-Invasive Measurement of Wall Shear Stress in Microfluidic Chip for Osteoblast Cell Culture using Improved Depth Estimation of Defocus Particle Tracking Method	Biomechanics 18 (2024): 054114	Q2	2.6	Materials Science and Engineering
364	Others	Keawkaew, J., Phiphattanaphiphop, C., Leksakul, K., <u>Phatthanakun, R.</u> and Khamlor, T.	The Optimal Solution of Microfluidic Device for Separating white Blood Cells in Raw Milk	Sensors and Actuators A: Physical 382 (Feb 2025): 116124	Q1	4.1	Micro Nanotechnology

Fiscal Year 2026: International Journals

1	BL1.1W: MXT	Dai, Z., Zhang, X., Lolupiman, K., Yang, C., Woottapanit, P., Limphirat, W., Wannapaiboon, S., Zhang, X. and Qin, J.	Enhanced Stability of Vanadium-Based Electrode Materials Using Multi-Component Hybrids for High-Performance Zinc-Ion Batteries	ACS Applied Materials & Interfaces 17 (2025): 57059-57069	Q1	8.2	Materials Science and Engineering
2	BL1.1W: MXT	Ponchai, P., Adpakpang, K., Inchongkol, Y., <u>Wannapaiboon, S.</u> and Bureekaew, S.	Tailoring Zn-based Zeolitic Imidazolate Frameworks via Ni Substitution: A Strategy for Enhanced Selective Alcohol Adsorption and Separation	Physical Chemistry Chemical Physics	Q2	2.9	Materials Science and Engineering
3	BL1.1W: MXT	Ruttakorn, A., Tocho, S., Yimnirun, R., Saisopa, T., Eknapakul, T., <u>Chirawatkul, P.</u> , Noonurak, R. and Bootchanont, A.	The Effects of Zn and Sr Co-Doping on Local Structure, Dielectric Properties, and Bioactivity of Hydroxyapatite Porous Materials	Radiation Physics and Chemistry 236 (Nov 2025): 112928	Q2	3.3	Medical Applications
4	BL1.1W: MXT	Saengsrichan, A., Khemthong, P., Phanthasri, J., Namuangruk, S., Youngjan, S., Phawa, C., <u>Wannapaiboon, S.</u> , <u>Pakawanit, P.</u> , Sankar, G., Khunphonoi, R. and Khamdagsag, P.	Engineered Thioglycolate-Activated Carbon Composites via Ambient Alcohol Esterification for Enhanced Mercury(II) Adsorption Performance: The Role of Alcohols in Thioglycolic Acid Esterification	Journal of Water Process Engineering 78 (Oct 2025): 108674	Q1	6.7	Environmental Science
5	BL1.1W: MXT	Theekhasuk, N., Sakdanuphab, R., Voraud, A., Limsuwan, P., Sakulalavek, A. and Somdock, N.	Enhanced Antimony Telluride Thermoelectric Generators: from Material Synthesis to Device Applications	Journal of the European Ceramic Society 45 (Dec 2025): 117585	Q1	5.8	Materials Science and Engineering
6	BL1.1W: MXT	Wang, J., Wang, D., He, Z., Yan, M., Xiang, Y., Li, H., Xu, L. and Li, J.	Facet-Tailored Co3O4 as Electronic Regulator and Stabilizing Support for Ru Nanocluster: Toward Efficient Alkaline HER	Energy & Environmental Materials	Q1	14.1	Chemistry
7	BL1.1W: MXT	Wijitsak, J., Boonprab, J., Harding, P., Harding, D. J., Clegg, J. K., Kaewket, K., Jakrawhad, C., <u>Nijpanich, S.</u> , <u>Wannapaiboon, S.</u> and Kaewraung, W.	Redox-Engineered Copper(II) Methylthio-Imidazole Schiff Base Complex for Electrochemical Detection of Creatinine as a Kidney Disease Biomarker	Sensors and Actuators: B. Chemical 445 (Dec 2025): 138590	Q1	7.7	Medical Applications
8	BL1.1W: MXT	Xue, Q., Qian, S., Lim, K. H., Wee, M. X. J., Nie, K., Cheng, S., Chen, X., <u>Chirawatkul, P.</u> , Johannessen, B., Yan, B., Yin, Z., Wang, Y., Luo, G., Gates, B. C. and Kawi, S.	Nanoscale Core-Shell Catalysts for H2 Production by Methane Decomposition: Supported Nickel Nanoparticles Ensheathed in Metal Oxides	Journal of the American Chemical Society 147 (2025): 38141-38157	Q1	15.6	Chemistry
9	BL1.2: XTM	Hoe-Woon, T., Cheng-Yong, H., Yun-Ming, L., Qi-Hwa, N., Wei-Hao, L., Kai Loong, F., <u>Pakawanit, P.</u> , Supramanian, D., Jia-Ni, L., Yu-Xin, Y., Shee-Ween, O. and Mei-Ju, L.	Elucidating the Interplay Between Pore Microstructure and Heavy Metal Leaching of Rubber Sludge in Fly Ash Geopolymers	Journal of Environmental Chemical Engineering 13, 5 (Oct 2025): 117698	Q1	7.2	Materials Science and Engineering
10	BL1.2: XTM	Intachai, N., Rachniyom, W., Wantana, N., Tariwong, Y., Khrongchaiyaphum, F., Sarumaha, C. S., <u>Pakawanit, P.</u> , Phoovasawat, C.,	Synchrotron Radiation-Based X-rays Imaging by Dy3+ Doped Silicoborate Glass Scintillator: Fabrication, Optical, Luminescence and Scintillation Performances	Radiation Physics and Chemistry 237 (Dec 2025): 113100	Q1	3.3	Materials Science and Engineering
11	BL1.2: XTM	Intachai, N., Rachniyom, W., Wantana, N., Thanyaphirak, W., Khrongchaiyaphum, F., Sarumaha, C. S., <u>Pakawanit, P.</u> , Phoovasawat, C., Kanjanaboos, P., Choodam, K., Kim, H. J.,	High Quantum Yield Glass Scintillator Based on Ta2O5 and La2O3 in Mixed Glass Former for Synchrotron and Medical X-Rays Imaging Applications	Radiation Physics and Chemistry 238 (Jan 2026): 113113	Q2	3.3	Medical Applications

12	BL1.2: XTM	Jarucha, N., Ruangtaweep, Y., Meejitpaisan, P., Kim, H. J., Boontueng, P., Kobdaj, C., Ritjoho, N., Sanghangthum, T., Valiev, D., Stepanov, S., Pakawanit, P., Phoovasawat, C., Intachai, N., Kothan, S., Minh, P.H., Duong, P. V., Nishikawa, A., Kunikata, T., Kato, T., Yanagida, T. and Kaewkhao, J.	Tb3+ Doped Na2O-CaO-Al2O3-B2O3 Scintillating Glass: Calibration Material for Luminescence Spectrometers and X-ray Imaging Application	Radiation Physics and Chemistry 239 (Feb 2026): 113302	Q2	3.3	Materials Science and Engineering
13	BL1.2: XTM	Kaja, K. R., Hajra, S., Panda, S., Belal, M., Nam, S., Pakawanit, P., Panigrahi, B. K., Khanbareh, H., Bowen, C., Yu, J. and Kim, H. J.	Waste Polyethylene-Coated Fabrics for Dual-Mode Interfaces Triboelectrification for Self-Powered Sensors	Results in Engineering 28 (Dec 2025): 107111	Q1	7.9	Micro Nanotechnology
14	BL1.2: XTM	Khongchaiyaphum, F., Wantana, N., Sarumaha, C. S., Kaewnuam, E., Pakawanit, P., Phoovasawat, C., Kantuptim, P., Yanagida, T., Kim, H. J., Intachai, N., Kothan, S. and	Ce3+ Doped Borophosphate Scintillating Glass for High Spatial Resolution Synchrotron X-rays Imaging Application	Radiation Physics and Chemistry	Q2	3.3	Medical Applications
15	BL1.2: XTM	Khongchaiyaphum, F., Wantana, N., Ruangtaweep, Y., Chanthima, N., Pakawanit, P., Phoovasawat, C., Kim, H. J., Intachai, N., Kothan, S. and Kaewkhao, J.	Energy transfer of Ce3+/Tb3+ doped in borophosphate glass scintillator for ultra high-resolution synchrotron X-ray imaging	Journal of Luminescence 288 (Dec 2025): 121559	Q2	3.6	Materials Science and Engineering
16	BL1.2: XTM	Khongchaiyaphum, F., Wantana, N., Pakawanit, P., Phoovasawat, C., Jarucha, N., Boontueng, P., Kobdaj, C., Ritjoho, N., Sanghangthum, T., Valiev, D., Stepanov, S., Chanthima, N., Intachai, Kothan, S., Kim, H. J. and Kaewkhao, J.	Scintillation Responses and X-rays Imaging Application of Dy3+-Doped in Borophosphate Glass	Radiation Physics and Chemistry 239 (Feb 2026): 113368	Q2	3.3	Materials Science and Engineering
17	BL1.2: XTM	Ondee, W., Kedkaew, C., Wantana, N., Kaewnuam, E., Khongchaiyaphum, F., Chanthima, N., Pakawanit, P., Phoovasawat, C., Sangwanateee, N., Intachai, N., Kothan, S., Kim, H. J. and Kaewkhao, J.	Ce3+ Doped BaO-Gd2O3-P2O5 Glass: New Glass Scintillator for X-rays Detector and Imaging Applications	Radiation Physics and Chemistry 238 (Jan 2026): 113205	Q2	3.3	Materials Science and Engineering
18	BL1.2: XTM	Payungkulan, K., Tungjai, M., Wantana, N., Chanthima, N., Sarumaha, C.S., Pakawanit, P., Phoovasawat, C., Kanjanaboos, P., Choodam, K., Kim, H. J., Kothan, S. and Kaewkhao, J.	Synchrotron X-ray Imaging Material from High Quantum Yield Sm3+-Doped Li2O-Gd2O3-ZrO2-P2O5 Glass	Radiation Physics and Chemistry 237 (Dec 2025): 113072	Q2	3.3	Materials Science and Engineering
19	BL1.2: XTM	Payungkulan, K., Tungjai, M., Wantana, N., Chanthima, N., Sarumaha, C. N., Pakawanit, P., Phoovasawat, C., Intachai, N., Kim, H. J., Kothan, S. and Kaewkhao, J.	Dy3+-doped Li2O-Gd2O3-ZrO2-P2O5 Glass: Scintillation behaviors and Synchrotron X-ray Imaging Application	Journal of Luminescence 288 (Dec 2025): 121514	Q2	3.6	Materials Science and Engineering
20	BL1.2: XTM	Rachakom, A., Boonsong, P., Pakawanit, P., Chaipisan, K., Siriprapa, P. and Watcharapasorn, A.	An Experimental Study on SnO2/Expanded Perlite Additive in Red Soil for Xray Shielding and Thermal Insulation Applications	Radiation Physics and Chemistry	Q2	3.3	Materials Science and Engineering
21	BL1.2: XTM	Saengsrichan, A., Khemthong, P., Phanthasri, J., Namuangruk, S., Youngjan, S., Phawa, C., Wannapaiboon, S., Pakawanit, P., Sankar, G., Khunphonoi, R. and Khamdahsag, P.	Engineered Thioglycolate-Activated Carbon Composites via Ambient Alcohol Esterification for Enhanced Mercury(II) Adsorption Performance: The Role of Alcohols in Thioglycolic Acid Esterification	Journal of Water Process Engineering 78 (Oct 2025): 108674	Q1	6.7	Environmental Science
22	BL1.2: XTM	Tariwong, Y., Kothan, S., Kim, H. J., Quang, N. D., Khan, A., Ton, N. D., Danie, J., Luan, N. T., Wantana, N., Pakawanit, P., Phoovasawat, C., Intachai, N., Kaewjaeng, S., Tungjai, M. and Kaewkhao, J.	Luminescence and Scintillation Behaviors of Sr co-doped CsI(Tl) Crystal Scintillator: Application to Synchrotron and Medical X-rays Imaging	Radiation Physics and Chemistry 239 (Feb 2026): 113235	Q2	3.3	Medical Applications
23	BL1.2: XTM	Wantana, N., Kaewnuam, E., Khongchaiyaphum, F., Pakawanit, P., Phoovasawat, C., Chanlek, N., Sangwanateee, N. W., Intachai, N., Kothan, S., Valiev, D., Stepanov, S., Kim, H. J. and Kaewkhao, J.	Innovative Eu3+-Doped Gadolinium Borogermanate Glass for X-Ray Imaging Scintillator	Radiation Physics and Chemistry 238 (Jan 2026): 113193	Q2	3.3	Materials Science and Engineering
24	BL1.3W: SAXS	Affah, N., Sarifudin, A., Darniadi, S., Krisanti, E. A., Purwanto, W. W. and Mulia, K.	Impact of Process Parameters and Recycling of Natural Deep Eutectic Solvent on the Physicochemical, Structural, and Gel Characteristics of Glucomanan	Food Biophysics	Q2	3.2	Food and Agricultural Science
25	BL1.3W: SAXS	Chang, X., Cao, G., Zhou, X., Kamonsutthipajit, N., Lu, X., Buangam, P., Tunmee, S., Rittihong, U., Ji, J., Llorca, J., Tang, Y., Cabot, A.	Closed Nanopores Enhance the Stability of Nitrogen-doped Hard Carbon in Potassium Storage by Buffer Activity Structure	Journal of Materials Chemistry A	Q1	9.5	Materials Science and Engineering
26	BL1.3W: SAXS	Chang, X., Zhou, X., Buangam, P., Kamonsutthipajit, N., Tunmee, S. and Cabot, A.	Key Factors Influencing the Plateau Region in N-Doped Hard Carbon for Sodium Storage	EES Batteries	n/a	n/a	Materials Science and Engineering
27	BL1.3W: SAXS	Chang, X., Zhou, X., Li, J., Yu, A., Buangam, P., Kamonsutthipajit, N., Tunmee, S. and Cabot, A.	Key Factors Influencing Initial Coulombic Efficiency and Plateau Region in N, P-co-Doped Hard Carbon: Insights from Chemical States and Microstructure	ACS Applied Energy Materials	Q1	5.5	Materials Science and Engineering
28	BL1.3W: SAXS	Jarnthong, M., Wannalak, A., Thongnuanchan, B., Kaesaman, A., Saito, H., Soontaranon, S. and Lopattananon, N.	Unveiling the Impact of Cellulose Nanofiber on the Mechanical Properties and Strain-Induced Crystallization Mechanism of ENR Nanocomposites	Polymer Engineering & Science	Q2	3.2	Polymers
29	BL1.3W: SAXS	Kerdthong, P., Duangphet, S., Soykeabkaew, N., Intatha, U., Kamonsutthipajit, N. and Tastub S.	Impact of Die Exit Temperature on the Crystalline Orientation and Performance of Polypropylene Battery Separators	Applied Science and Engineering Progress 19 (2026): 7945	Q2	0.341	Materials Science and Engineering
30	BL1.3W: SAXS	Keeratiburana, T., Fu, T., Sarifudin, A., Soontaranon, S. and Blennow, A.	Comparison of Freeze-Thawing and Ice Recrystallization-Thawing on Structural and Physicochemical Properties of Granular Rice Starch	Journal of Food Science and Technology	Q2	3.3	Food and Agricultural Science
31	BL2.2: TRXAS	Ahmed, A., Khampuanbut, A., Kidkhunthod, P., Limphirat, W., Uyama, H., Okhawilai, M. and Pattananuwat, P.	Tailoring the Mn/Co Ratio in Electrospun Mn-Co Oxide Embedded-Carbon Nanofibers as Cathode for High-Performance Zn-Ion Batteries	Materials Science for Energy Technologies	Q1	7.22	Materials Science and Engineering
32	BL2.2: TRXAS	Doungdej, K., Numpilai, T., Dolsirittigul, N., Polsomboon, N., Limphirat, W., Sudsakorn, K., Seubsai, A., Roddech, S., Chareonpanich, M. and Witoon, T.	Tuning Cu-Support Interactions via Hydroxyethyl Cellulose-Templated Silica for Enhanced Reverse Water-Gas Shift Catalysis	Journal of Environmental Chemical Engineering 13 (Oct 2025): 118913	Q1	7.2	Chemistry
33	BL2.2: TRXAS	Kao-ian, W., Tangthum, P., Kidkhunthod, P., Limphirat, W., Padchasi, J., Aubert, N., Ciatto, G., In, I., Wu, K. C. W. and Kheawhom, S.	Monitoring Interfacial Dynamics of a Zinc-Ion Battery Cathode Using In Situ Grazing Incidence X-Ray Absorption Spectroscopy: A Case Study of Manganese Dioxide	Small Methods	Q1	9.1	Surface, Interface and Thin Films
34	BL2.2: TRXAS	Lolupiman, K., Yang, C., Woottapanit, P., Sukmas, W., Limphirat, W., Rodthongkum, N., Zhang, X., He, G. and Qin, J.	Sulfur-Doped Vanadium Oxide for High-Performance and Stable Cathode Material of Zinc-Ion Batteries	Advanced Functional Materials	Q1	19	Materials Science and Engineering
35	BL2.2: TRXAS	Praikaew, W., Prameswari, J., Ratchahat, S., Chaiwat, W., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Assabumrungrat, S., Lin, Y. C., Choojun, K., Sooknoi, T. and Srifa, A.	Highly Active and Stable Ni-W/SiO2 Catalyst Derived from W Incorporated on Ni Phyllosilicate for Deoxygenation of Triglycerides into Green Biofuel Range Hydrocarbons	Energy Conversion and Management: X 28 (Oct 2025): 101288	Q1	7.6	Chemistry
36	BL2.2: TRXAS	Sakdee, R., Ratchahat, S., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Mahakot, S., Assabumrungrat, S. and Srifa, A.	Systematic Optimization of the Ni-to-Mo Ratio in Bimetallic Ni-Mo2C Catalysts for Efficient Selective Hydrogenation of Levulinic Acid to γ-Valerolactone	Fuel Processing Technology 276 (Oct 2025): 108276	Q1	7.7	Chemistry
37	BL2.2: TRXAS	Yamchumporn, P., Boonin, K., Yasaka, P., Triamnak, N., Sarein, T., Singsoog, K., Seetawan, T., Limphirat, W. and Kaewkhao, J.	Synthesis and Thermoelectric Characterization of Li-Bi-B-Cu Oxide Glasses Doped with Te4+ Ions	Radiation Physics and Chemistry 237 (Dec 2025): 113135	Q2	3.3	Materials Science and Engineering
38	BL3.1: XPS	Chu, M. W., Chen, Y. W., Chew, K. H., Chanlek, N., Chen, C. S., Dee, C. F. and Chang, W. S.	Synergistic Role of Facet-Engineered Surface and Ferroelectric Polarization in Photoelectrochemical Water Reduction over Pure BiFeO3 Thin Film	ACS Applied Materials & Interfaces	Q1	8.2	Surface, Interface and Thin Films
39	BL3.1: XPS	Chinnakutti, K. K., Yun, H., Kheawhom, S., Gao, H., Tapia-Ruiz, N., Kidkhunthod, P., Nijpanich, S., Sawada, Y., Saito, N. and Kasemchainan, J.	From Spent Zinc-Carbon Batteries to Lithium-Ion Batteries: An Eco-Friendly Method to Recycle Graphite	Journal of Energy Storage 134 (Oct 2025): 118244	Q1	9.8	Materials Science and Engineering
40	BL3.1: XPS	Janthabut, P., Athikaphan, P., Jekrukand, P., Kanjungsi, P., Kongkoed, P., Nijpanich, S., Theerakulpisut, S., Neramittagapong, A. and Neramittagapong, S.	Adsorption of Nickel (II) Ions onto Activated Carbon from Tamarind Seeds for Synthetic Wastewater Treatment: Isotherm, Kinetic, and Thermodynamic Studies	Environmental Challenges	Q1	6.8	Environmental Science

41	BL3.1: XPS	Khajonrit, J., Sichumsaeng, T., Saenrang, W., Wongprasert, S., Tanapongpisit, N., Pinitsoontorn, S., Kidkhunthod, P. , Chanlek, N. , Wongjom, P., Phumying, S. and Maensiri, S.	Effect of Ni Doping on the Structural, Magnetic, and Electrochemical Properties of BiMnFe2O6 for Energy Storage Applications	Radiation Physics and Chemistry 237 (Dec 2025): 113050	Q2	3.3	Materials Science and Engineering
42	BL3.1: XPS	Leangtanom, P., Wisitsoraat, A., Chanlek, N. , Lawan, N., Muangpil, S., Phanichphant, S. and Kruefu, V.	Cu2O-GO/SnO2 Quantum Dots for Selective Ethylene Sensing at PPM to Sub-ppm Levels	Sensors & Actuators: B. Chemical 443 (Nov 2025): 138265	Q1	7.7	Micro Nanotechnology
43	BL3.1: XPS	Luangthanrak, H., Padchasi, J., Siriroj, S., Pakawanit, P., Chanlek, N. and Kidkhunthod, P.	Effect of Multi Wall Carbon Nanotubes (MWCNTs)/Carbon Black (CB) Contents on Enhanced Performance of Manganese-Cobalt-Lithium-Borate Glass (Mn, Co)-Li2O-B2O3	Radiation Physics and Chemistry 238 (Jan 2026): 113194	Q2	3.3	Materials Science and Engineering
44	BL3.1: XPS	Pengsook, W., Thanachayanont, C., Wahyuni, W. T. and Hasin, P.	Cobalt-Modified Exfoliated Zirconium Phosphate/Histidine-Functionalized Graphene Quantum Dots-Based Electrochemical Biosensor for Promoting Sensitive Detection of Methyl Parathion in Agricultural Foods and Water Bodies Samples	Talanta 296 (Jan 2026): 128403	Q1	5.6	Medical Applications
45	BL3.1: XPS	Preedawichitkun, Y., Numwong, N., Chanlek, N. , Chung, P., Kumar, R., Wattanakit, C., Prasanseang, W., Promchana, P., Nooto, C., Khenkhom, P., Choojun, K. and Sooknoi, T.	Stabilized PdNanoparticles Encapsulated in MIL-101(Cr) for ChemoselectiveHydrogenation of PolyunsaturatedFAMES	ChemCatChem	Q1	3.9	Materials Science and Engineering
46	BL3.1: XPS	Rattanachai, Y., Chavalekvirat, P., Rintramee, K., Pandech, N., Klinka, R., Padchasi, J. , Siriroj, S. , Supruangnet, R. , Busayaporn, W. , Kidkhunthod, P. , Songsiriritthigul, P., Ceolin, D., Tamprasertkun, P. and Saisopa, T.	A structural Study of MoSe2 Nanoflakes Prepared via Liquid Phase Exfoliation: X ray Absorption and Photoemission Study	Radiation Physics and Chemistry 237 (Dec 2025): 113083	Q2	3.3	Materials Science and Engineering
47	BL3.1: XPS	Senamart, N., Poo-arporn, Y. , Duangmanee, S., Kamonpha, P. and Poo-arporn, R. P.	Synthesis of Ag/CuO Nanoparticle-Modified Carbon Screen Print Electrode for a Non-Enzymatic Histamine Sensor	Microchemical Journal 218 (2025): 115492	Q1	5.1	Food and Agricultural Science
48	BL3.1: XPS	Sereewatthanawut, I., Khajonvittayakul, C., Swadchaipong, N., Tongnan, V., Maneesard, P., Ampairojanawong, R., Makdee, A., Kangsadan, T., Hartley, M. and Hartley, U. W.	Enhanced Catalytic Performance of MnO2 Nanowires for Soot Combustion by Cobalt Incorporation	Materials Advances	Q1	4.7	Chemistry
49	BL3.1: XPS	Sukha, U., Chanlek, N. , Kidkhunthod, P. , Kolodiazny, T., Vittayakorn, W. and Vittayakorn, N.	Thermally Induced Phase Transition and Dielectric Relaxation in Lead-Free BaTi0.94Sn0.06O3 Ceramics: Insights from In-Situ XRD and XAS	Radiation Physics and Chemistry 235 (Oct 2025): 112839	Q2	3.3	Materials Science and Engineering
50	BL3.1: XPS	Threerattanukulpron, N., Khongtor, N., Supasitmongkol, S., Serafin, J., Chaemchuen, S. and Klomkliang, N.	Non-Noble Metals Promoted MOF-Derived CuZn Catalysts for Low-Temperature CO2 Hydrogenation to Methanol	Fuel 404 (Jan 2026); 136274	Q1	7.5	Chemistry
51	BL3.1: XPS	Wantana, N., Kaewnuam, E., Khrongchaiyaphum, F., Pakawanit, P. , Phoovasawat, C., Chanlek, N. , Sangwaranatee, N. W., Intachai, N., Kothan, S., Valiev, D., Stepanov, S., Kim, H. J. and Kaewkhao, J.	Innovative Eu3+-Doped Gadolinium Borogermanate Glass for X-Ray Imaging Scintillator	Radiation Physics and Chemistry 238 (Jan 2026): 113193	Q2	3.3	Materials Science and Engineering
52	BL3.1: XPS	Wijitsak, J., Boonprab, J., Harding, P., Harding, D. J., Clegg, J. K., Kaewket, K., Jakkrawhad, C., Nijpanich, S. , Wannapaiboon, S. and Kaewraung, W.	Redox-Engineered Copper(II) Methylthio-Imidazole Schiff Base Complex for Electrochemical Detection of Creatinine as a Kidney Disease Biomarker	Sensors and Actuators: B. Chemical 445 (Dec 2025): 138590	Q1	7.7	Medical Applications
53	BL3.1: XPS	Wongpratad, U., Phromviyo, N., Wongsricha, J., Srilarueang, S., Chanlek, N. , Khamkongkaeo, A. and Thongbai, P.	Enhanced Dielectric Properties of In + Ta Co-Doped TiO2 Ceramics Synthesized via a Green Egg White Route: Low-Temperature Sintering and Microstructural Insights	Sci 7 (2025): 170	Q1	n/a	Materials Science and Engineering
54	BL3.1: XPS	Wongrat, E., Moonmuang, I., Chanlek, N. , Hongsih, N., Pramchu, S. and Choopun, S.	Enhanced Ammonia Gas Sensing Performance of In Situ-Polymerised ZnO/PANI-HCl-Doped Emeraldine Base: Experimental and Theoretical Investigations	Sensors and Actuators: B. Chemical 441 (Oct 2025): 137981	Q1	8	Micro Nanotechnology
55	BL3.1: XPS	Yun, H., Chinnakutti, K. K., Noerochim, L., Nijpanich, S. , Pornprasertsuk, R., Sawada, Y., Saito, N. and Kasemchainan, J.	Achieving Waste-Valorized Anode Materials for Li-Ion Batteries by Surface Engineering of Recycled Graphite from Spent Zn-C Batteries	ACS Sustainable Chemistry & Engineering	Q1	7.3	Materials Science and Engineering
56	BL3.2U: PES/PEEM	Chaiyachad, S., Vo, T. P., Jindata, W., Singen, S., Eknapakul, T., Jaisuk, C., Fevre, P. L., Bertran, F., Lu, D., Huang, Y., Nakajima, H. , Liewrian, W., Fongkaew, I., Minar, J. and Meevasana, W.	Emergence of a Bandgap in Nano-Scale Graphite: A Computational and Experimental Study	Applied Surface Science 708 (Nov 2025): 163756	Q1	6.9	Physics
57	BL3.2U: PES/PEEM	Chang, X., Zhou, X., Buangam, P. , Kamonsutthipajit, N. , Tunmee, S. and Cabot, A.	Key Factors Influencing the Plateau Region in N-Doped Hard Carbon for Sodium Storage	EES Batteries	n/a	n/a	Materials Science and Engineering
58	BL3.2U: PES/PEEM	Chang, X., Zhou, X., Li, J., Yu, A., Buangam, P. , Kamonsutthipajit, N. , Tunmee, S. and Cabot, A.	Key Factors Influencing Initial Coulombic Efficiency and Plateau Region in N, P-co-Doped Hard Carbon: Insights from Chemical States and Microstructure	ACS Applied Energy Materials	Q1	5.5	Materials Science and Engineering
59	BL3.2U: PES/PEEM	Kaiyasuan, C., Kongkansarn, J., Waengdongbung, W., Sudyoadsuk, T., Songsiriritthigul, P., Nakajima, H. , Promarak, V. and Kongpatpanich, K.	Zeolitic Imidazole Framework as Defect Passivation Layer for Enhanced Electron Injection Efficiency in Organic Light-Emitting Diodes	Small	Q1	12.1	Surface, Interface and Thin Films
60	BL3.2U: PES/PEEM	Kanlayapattamapong, T., Pudkon, W., Thongimboon, K., Ruengsuk, A., Seriwattanachai, C., Sukwiboon, T., Kanjanaboos, P., Goubard, F., Bui, T., Sagawa, T., Wongratanaphisan, D. and Ruankham, P.	Single-Step SnO2 Deposition Enabled by Colloidal Engineering with Additive Polyoxyethylene Tridecyl Ether and Carbon Nanodots for Simplified and Effective Perovskite Solar Cells in Low-Light Applications	Journal of Colloid and Interface Science 700 (Dec 2025): 138436	Q1	9.7	Surface, Interface and Thin Films
61	BL3.2U: PES/PEEM	Mas'udah, K. W., Anggoro, D., Nakajima, H. , Sapruangnet, R. , Astuti, F., Asih, R. and Darminto, D.	Palm Oil Shell-Derived SiO2/Hard-Carbon-Like Nanocomposites for a Potential Application as Dual Carbon Battery Electrode	Biomass and Bioenergy 203 (Dec 2025): 108332	Q1	5.8	Materials Science and Engineering
62	BL3.2U: PES/PEEM	Nakajima, H. , Wongpinij, T. , Tunmee, S. , Horprathum, M., Chaikereee, T., Lertvanithphol, T., Niibe, M. and Akasaka, H.	Temperature-Dependent Electronic Structures in Diamond-Like Carbon Films Fabricated by Pulsed Plasma Chemical Vapor Deposition with Different Hydrocarbon Sources	Diamond and Related Materials 160 (dec 2025): 113017	Q1	5.1	Materials Science and Engineering
63	BL3.2U: PES/PEEM	Nammahachak, N., Sriodee, M., Eknapakul, T., Rattanachata, A. , Nakajima, H. , Best, J. P., Meevasana, W., Triamnak, N. and Ratanaphan, S.	Dynamic change in light-regulated hardness in SrTiO3	Applied Physics Letters 127 (Oct 2025): 171602	Q1	3.6	Materials Science and Engineering
64	BL3.2U: PES/PEEM	Nuchauy, P., Sriporaya, K., Chananonawathorn, C., Daniels, T. M., Lertvanithphol, T., Eiamchai, P., Promjantuk, C., Nakajima, H. , Horprathum, M. and Limwicchan, S.	Influence of Duty Cycle Ratios in HiPIMS with GLAD Techniques on the Preparation of WO3 Nanorod Films for Electrochromic Properties	Radiation Physics and Chemistry 237 (Dec 2025): 113138	Q2	3.3	Surface, Interface and Thin Films
65	BL3.2U: PES/PEEM	Singh, S., Usulor, C. E., Khampa, W., Musikpan, W., Passatorntaschakorn, W., Tipparak, P., Seriwattanachai, C., Nakajima, H. , Ngamjarujana, A., Gardchareon, A., Kanjanaboos, P., Ruankham, P. and Wongratanaphisan, D.	Facile Ethylvanillin Passivation for High-Performance CsFA Perovskite Solar Cells in Variable Lighting Environments	ACS Applied Electronic Materials	Q1	4.7	Surface, Interface and Thin Films
66	BL3.2U: PES/PEEM	Then, M. Y., Sookhakian, M., Goh, B. T., Teridi, M. A. M., Aspanut, Z., Nakajima, H. , Chanlek, N. and Alias, Y.	Supercapacitors Based on Ternary Composites of Ceria-Manganese Oxide Nitrogen-Doped Graphene	ACS Applied Nano Materials	Q1	5.5	Materials Science and Engineering
67	BL3.2U: PES/PEEM	Usulor, C. E., Passatorntaschakorn, W., Khampa, W., Musikpan, W., Tipparak, P., Singh, S., Ogbuagu, I. C., Seriwattanachai, C., Nakajima, H. , Ngamjarujana, A., Gardchareon, A., Kanjanaboos, P., Ruankham, P. and Wongratanaphisan, D.	Multifunctional DIPAI Surface Passivation: Enhancing Efficiency and Stability of Perovskite Solar Cells Across Lighting Conditions	ACS Applied Energy Materials	Q1	5.5	Surface, Interface and Thin Films
68	BL3.2U: PES/PEEM	Wu, F., Lei, X. Pan, X., Nie, H., Xiao, Q., Zhou, X., Deng, W., Kidkhunthod, P. , Padchasi, J. , Tunmee, S. , Rittihong, U. , Nakajima, H. , Wen, J. and Tang, Y.	Synergistic Mechanism of Nanochannels and Chain Migration in Bioinspired Solid-State Gel Electrolytes for Ultrahigh-Rate, Long-Life Flexible Tin-Air Batteries	Angewandte Chemie International Edition	Q1	16.9	Materials Science and Engineering

69	BL5.2: XAS	Chinnakutti, K. K., Yun, H., Kheawhom, S., Gao, H., Tapiar Ruiz, N., Kidkhunthod, P., Nijpanich, S., Sawada, Y., Saito, N. and Kasemchainan, J.	From Spent Zinc-Carbon Batteries to Lithium-Ion Batteries: An Eco-Friendly Method to Recycle Graphite	Journal of Energy Storage 134 (Oct 2025): 118244	Q1	9.8	Materials Science and Engineering
70	BL5.2: XAS	Jutimoosik, J., Nunocha, P., Kidkhunthod, P., Suriwong, T. and Bongkarn, T.	Local Structure Analysis of Sr-doped LaFeO ₃ Perovskite by Synchrotron X-ray Absorption Spectroscopy	Radiation Physics and Chemistry 239 (Feb 2026): 113244	Q2	3.3	Materials Science and Engineering
71	BL5.2: XAS	Khajonrit, J., Sichumsaeng, T., Saenrang, W., Wongprasert, S., Tanapongpisit, N., Pinitsoontorn, S., Kidkhunthod, P., Chanlek, N., Wongjom, P., Phumying, S. and Maensiri, S.	Effect of Ni Doping on the Structural, Magnetic, and Electrochemical Properties of BiMnFe ₂ O ₆ for Energy Storage Applications	Radiation Physics and Chemistry 237 (Dec 2025): 113050	Q2	3.3	Materials Science and Engineering
72	BL5.2: XAS	Khamlue, R., Chatsiri, P., Sakurada, T., Chotimook, J., Leangtanom, P., Prayongkul, P., Atithep, T., Padchasi, J., Kidkhunthod, P., Vacha, M., Pattanasattayavong, P. and Paritmongkol, P.	Chelation-Driven Dissolution and Single-Crystal Growth of Hybrid Metal Organochalcogenide Semiconductors by Polydentate Amines	Journal of the American Chemical Society	Q1	15.6	Materials Science and Engineering
73	BL5.2: XAS	Kantha, P., Unruan, M., Tunkasiri, T., Pengpat, K., Sukkha, U., Jaiban, P., Padchasi, J., Siriroj, S. and Kidkhunthod, P. and Pisitpipathsin, N.	Effect of Ba _{0.93} Ca _{0.04} La _{0.03} Nb _{0.1} Ti _{0.903} Addition on Structural and Electrical Properties of Lead-Free 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ -0.5(Ba _{0.7} Ca _{0.3})TiO ₃ Piezoelectric Ceramics	Radiation Physics and Chemistry 237 (Dec 2025): 113011	Q2	3.3	Materials Science and Engineering
74	BL5.2: XAS	Kao-ian, W., Tangthum, P., Kidkhunthod, P., Limphirat, W., Padchasi, J., Aubert, N., Ciatto, G., In, I., Wu, K. C. W. and Kheawhom, S.	Monitoring Interfacial Dynamics of a Zinc-Ion Battery Cathode Using In Situ Grazing Incidence X-Ray Absorption Spectroscopy: A Case Study of Manganese Dioxide	Small Methods	Q1	9.1	Surface, Interface and Thin Films
75	BL5.2: XAS	Latief, F., Arrosyid, B. H., Amalia, R., Fahroji, M., Ghariy, G., Aryanto, D., Fajar, A., Kidkhunthod, P., Suasmoro, S., Pramono, A. W. and Noviyanto, A.	Composition and Annealing Process Influence on Structure, Local Structure, Electrical, and Magnetic Properties of MnFe ₂ O ₄	The Journal of Physical Chemistry C	Q1	3.2	Micro Nanotechnology
76	BL5.2: XAS	Padchasi, J., Siriroj, S. and Kidkhunthod, P.	Enhanced Capacity and Cyclic Performance of Lithium-Ion Battery Using a Mixture of V ₂ O ₅ and Lithium Borate Glasses Doped with Manganese, Cobalt, and Nickel as the Cathode Active Material	Radiation Physics and Chemistry 235 (Oct 2025): 112839	Q2	3.3	Materials Science and Engineering
77	BL5.2: XAS	Sriwichai, S., Sakulsermsuk, S., Wetchakun, K., Kidkhunthod, P. and Wetchakun, N.	Promotion of Single-Phase Tetragonal BiVO ₄ by Y Doping for Improving Photocatalytic Activities	Ceramics International	Q1	5.6	Chemistry
78	BL5.2: XAS	Sukkha, U., Chanlek, N., Kidkhunthod, P., Kolodiazny, T., Vittayakorn, W. and Vittayakorn, N.	Thermally Induced Phase Transition and Dielectric Relaxation in Lead-Free BaTi _{0.94} Sr _{0.06} O ₃ Ceramics: Insights from In-Situ XRD and XAS	Radiation Physics and Chemistry 235 (Oct 2025): 112839	Q2	3.3	Materials Science and Engineering
79	BL5.2: XAS	Suwannaruang, M., Triroj, N., Kaewmaraya, T., Nachaithong, T., Padchasi, J., Kidkhunthod, P., Knijnenburg, J. T. N. and Tanusilp, S.	Exploring the Atomic and Electronic Structures of Low Thermal Conductivity Materials using a Combined XAS and DFT Approach	Radiation Physics and Chemistry 237 (Dec 2025): 113088	Q2	3.3	Materials Science and Engineering
80	BL5.2: XAS	Thaweelap, N., Plerdsranoy, P., Thiangviriyi, S., Pangon, A., Tanthanuch, W. and Utke, R.	Dehydrogenation Kinetics, Reversibility, and Reaction Mechanisms of Mg-Co-Ni-H	Journal of Alloys and Compounds 1044 (Nov 2025): 184199	Q1	6.3	Materials Science and Engineering
81	BL5.2: XAS	Wu, F., Lei, X. Pan, X., Nie, H., Xiao, Q., Zhou, X., Deng, W., Kidkhunthod, P., Padchasi, J., Tunmee, S., Rittihong, U., Nakaiima, H., Wen, J. and Tang, Y.	Synergistic Mechanism of Nanochannels and Chain Migration in Bioinspired Solid-State Gel Electrolytes for Ultrahigh-Rate, Long-Life Flexible Tin-Air Batteries	Angewandte Chemie International Edition	Q1	16.9	Materials Science and Engineering
82	BL5.2: XAS	Yu, M., Wang, Z., Zhao, L., Wang, Y., Kamchompo, S., Liu, K., Wang, J., Padchasi, J., Yuan, S., Fang, Y., Jungsutthiwong, S., Maitarad, P., Kidkhunthod, P., Shi, L., Zhao, D. and Lv, Y.	MXene-Scaffolded Planner Mesoporous Carbon with Homogeneous Electric Field Enabling Uniform and Robust SEI for Ultra-Stable Sodium Storage	Advanced Energy Materials	Q1	26	Materials Science and Engineering
83	BL7.2: MX	Bootkul, D., Intayot, S., Uthachana, K., Wattanachai, P., Intarasiri, S., Songsiririthigul, C., Songsiririthigul, P. and Hauzenberger, C. A.	Reliability of LA-ICP-MS and Synchrotron XANES for Provenance Identification of Rubies	Spectrochimica Acta Part B: Atomic Spectroscopy 232 (Oct 2025): 107271	Q2	3.8	Earth Science and Archeology
84	BL7.2: MX	Dai, Z., Zhang, X., Lolupiman, K., Yang, C., Woottapanit, P., Limphirat, W., Wannapaiboon, S., Zhang, X. and Qin, J.	Enhanced Stability of Vanadium-Based Electrode Materials Using Multi-Component Hybrids for High-Performance Zinc-Ion Batteries	ACS Applied Materials & Interfaces 17 (2025): 57059-57069	Q1	8.2	Materials Science and Engineering
85	BL7.2: MX	Kaewmuangphet, S., Phowang, P., Saiyasombat, C. and Tungasmita, D. N.	Copper-Loaded KX Zeolite Catalyst for Efficient β-alkylated Dimer Alcohol Formation via Guerbet Reaction of 1-Decanol	Journal of Industrial and Engineering Chemistry	Q1	6	Chemistry
86	BL8: XAS	Ahmed, A., Khampuanbut, A., Kidkhunthod, P., Limphirat, W., Uyama, H., Okhawilai, M. and Pattananuwat, P.	Tailoring the Mn/Co Ratio in Electrospun Mn-Co Oxide Embedded-Carbon Nanofibers as Cathode for High-Performance Zn-Ion Batteries	Materials Science for Energy Technologies	Q1	7.22	Materials Science and Engineering
87	BL8: XAS	Dai, Z., Zhang, X., Lolupiman, K., Yang, C., Woottapanit, P., Limphirat, W., Wannapaiboon, S., Zhang, X. and Qin, J.	Enhanced Stability of Vanadium-Based Electrode Materials Using Multi-Component Hybrids for High-Performance Zinc-Ion Batteries	ACS Applied Materials & Interfaces 17 (2025): 57059-57069	Q1	8.2	Materials Science and Engineering
88	BL8: XAS	Damdee, B., Kaewnuam, E., Angnanon, A., Yamanoi, K., Horprathum, M., Intachai, N., Kothan, S., Kirdsiri, K., Sangwaranatee, N., Kim, H.J. and Kaewkhao, J.	Eu ³⁺ / Cu ²⁺ Co-doped Rice Husk Ash Borate glass: A Sustainable Material with Red Luminescence and NIR Shielding	Radiation Physics and Chemistry 238 (Jan 2026): 113154	Q2	3.3	Materials Science and Engineering
89	BL8: XAS	Doungdej, K., Numpilai, T., Dolsiririttigul, N., Polsomboon, N., Limphirat, W., Sudsakorn, K., Seubsai, A., Roddecha, S., Chareonpanich, M. and Witoon, T.	Tuning Cu-Support Interactions via Hydroxyethyl Cellulose-Templated Silica for Enhanced Reverse Water-Gas Shift Catalysis	Journal of Environmental Chemical Engineering 13 (Oct 2025): 118913	Q1	7.2	Chemistry
90	BL8: XAS	Go, W., Senthil, R. A., Cherusseri, J., Kumar, A., Moon, C. J., Limphirat, W., Ubaidullah, M. and Choi, M. Y.	Harnessing Surface-Tuned Ag/Cu Interfaces in Ag/Ag ₂ O/CuO for High-Efficiency Ammonia Synthesis and Co-Electricity Generation in Zn-Nitrate Batteries	Advanced Functional Materials	Q1	19	Chemistry
91	BL8: XAS	Gonzalez-Correa, E., Mazumder, M., Kumar, K., Ghosh, S., Senguttuvan, P. and Clement, R. J.	High Voltage Irreversibilities in NASICON Na ₃ +yV ₂ -yMg _y (PO ₄) ₃ Cathodes	Chemistry of Materials	Q1	7	Materials Science and Engineering
92	BL8: XAS	Kaewmala, S., Kamma, N., Sujeera, P., Pornjira, P., Limphirat, W., Prasongthum, N., Nash, J. and Meethong, N.	Linking Local Atomic Structure and Carbon Network Architecture to Electrochemical Performance and Na ⁺ Diffusivity in Na ₄ V ₂ Mn(PO ₄) ₃ /C Cathodes	ACS Omega 10 (2025): 49845-49855	Q1	4.3	Materials Science and Engineering
93	BL8: XAS	Kaewmuangphet, S., Phowang, P., Saiyasombat, C. and Tungasmita, D. N.	Copper-Loaded KX Zeolite Catalyst for Efficient β-alkylated Dimer Alcohol Formation via Guerbet Reaction of 1-Decanol	Journal of Industrial and Engineering Chemistry	Q1	6	Chemistry
94	BL8: XAS	Kaewnuam, E., Yonphan, S., Borisut, P., Sarumaha, C. S., Busayaporn, W., Son, Y. J., Kim, S. W., Kim, H. M., Jeong, D. Y., Wantana, N., Minh, P. H., Chaiphaksa, W. and Kaewkhao, J.	Nd ³⁺ Doped Multicomponent Metal (Gd, Y, Al, Ga)-Oxides Borate Glass for Laser and Optical Amplifier Material	Radiation Physics and Chemistry	Q2	3.3	Materials Science and Engineering
95	BL8: XAS	Lolupiman, K., Yang, C., Woottapanit, P., Sukmas, W., Limphirat, W., Rodthongkum, N., Zhang, X., He, G. and Qin, J.	Sulfur-Doped Vanadium Oxide for High-Performance and Stable Cathode Material of Zinc-Ion Batteries	Advanced Functional Materials	Q1	19	Materials Science and Engineering
96	BL8: XAS	Nilmoung, S., Limphirat, W., Mahakot, S. and Ausavasukhi, A.	Sugarcane Bagasse-Derived Activated Carbon/LiFePO ₄ Composite Nanostructures for Lithium-Ion Battery Applications	Radiation Physics and Chemistry 237 (dec 2025): 113084	Q2	3.3	Materials Science and Engineering
97	BL8: XAS	Rattanachai, Y., Chavalekvirat, P., Rintramee, K., Pandech, N., Klunkla, R., Padchasi, J., Siriroj, S., Supruangnet, R., Busayaporn, W., Kidkhunthod, P., Songsiririthigul, P., Ceolin, D., Jamprasertkun, P. and Saisona, T.	A structural Study of MoSe ₂ Nanoflakes Prepared via Liquid Phase Exfoliation: X ray Absorption and Photoemission Study	Radiation Physics and Chemistry 237 (Dec 2025): 113083	Q2	3.3	Materials Science and Engineering

98	BL8: XAS	Rittidach, T., Kuimalee, S., Bootchanont, A., Porjai, P., Wattanawikkam, C., Noonuruk, R., Ruttakorn, A., Amonpattaratkit, P., Pimsawat, A., Daengsakul, S. and Khamkongkaeo, A.	Structural and Mechanical Properties of Gypsum-Biphasic Calcium Phosphate Biowaste Composites: Role of Composition Ratio	Radiation Physics and Chemistry 236 (Nov 2025): 112881	Q2	3.3	Medical Applications
99	BL8: XAS	Saentho, A., Sricharoenvech, P., Prietzel, J., Klysubun, W. And Wisawapipat, W.	Calcium Speciation and Solubility in Tropical Agricultural Soil Clays	Applied Clay Science 276 (2025): 107912	Q1	5.8	Environmental Science
100	BL8: XAS	Sakdee, R., Ratchahat, S., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Mahakot, S., Assabumrungrat, S. and Sriba, A.	Systematic Optimization of the Ni-to-Mo Ratio in Bimetallic Ni-Mo ₂ C Catalysts for Efficient Selective Hydrogenation of Levulinic Acid to γ -Valerolactone	Fuel Processing Technology 276 (Oct 2025): 108276	Q1	7.7	Chemistry
101	BL8: XAS	Sanni, A., Govindarajan, D., Selvaraj, M., Limphirat, W., Tipplook, M., Teshima, K., Sangaraju, S. and Kheawhom, S.	Mechanistically Tailored Ag-Fe ₃ O ₄ @Co ₃ O ₄ Ternary Nanohybrids on Biomass-Derived Carbon for High-Performance Asymmetric Supercapacitors	Materials Research Bulletin 194 (Feb 2026): 113740	Q1	5.7	Materials Science and Engineering
102	BL8: XAS	Sarumaha, C. S., Kaewnuam, E., Chanthima, N., Busayaporn, W., Minh, P. H., Ruangtaweep, Y., Kothan, S., Intachai, N., Kim, H. J. and Kaewkhao, J.	Effect of Alkali (Na/K) on Erbium-Doped Gadolinium Oxyfluoride Phosphate Glasses for Broadband Optical Amplifiers and Laser Medium Materials	Radiation Physics and Chemistry 238 (Jan 2026): 113169	Q2	3.3	Materials Science and Engineering
103	BL8: XAS	Wang, J., Chong, P., Limphirat, W., Wang, H., Busayaporn, W., Zhang, L., Seng, D. H. L., Sun, S., Aabdin, Z., Dong, C., Wei, M. and She, Z. W.	Hierarchical Vanadium Sulfide Nanosheets with Expanded Interchain Spacing for High-Performance Sodium-Ion Batteries	Journal of Materials Chemistry A 13 (2025): 30158-30166	Q1	9.5	Materials Science and Engineering
104	BL8: XAS	Wang, J., Tan, X. Y., Ng, M. F., Wu, G., Yang, G., Ghosh, T., Lim, C. Y. J., Busayaporn, W., Limphirat, W., Kaewsuwan, D., Chinnadurai, D., Xing, Z., Liu, H., Ren, Y., Yan, Q. and She, Z. W.	Hybrid Redox Chemistry in Defective Titanium Polyanion Nanobelt Cathodes for Advanced Magnesium-Ion Batteries	Advanced Functional Materials	Q1	19	Materials Science and Engineering
105	BL8: XAS	Zhang, D., Yue, Y., Rao, X., Zhang, D., Limphirat, W., Qin, J., Yang, X. and Cao, J.	Redox-Guided Hydration Engineering of Sodium Vanadate for Ultrastable Aqueous Zinc-Ion Storage	Nano Energy 145 (Dec 2025): 111450	Q1	17.1	Materials Science and Engineering
106	Instrumentation	Phimsen, T., Sumklang, S., Sonsuphap, N., Seegauncha, O., Boonsuya, S., Chitthaisong, S., Prawanta, S., Sunwong, P., Sudmuang, P. and Klysubun, P.	Vacuum System Design and Simulation for Siam Photon Source II: Towards Thailand's Fourth-Generation Synchrotron Light Source	Vacuum 240 (Oct 2025): 114569	Q1	3.9	Physics
107	Laboratory	Phosri, S., Tastub, S., Intharuksa, A., Techarang, T., Srisucharitpanit, K., Hooper, S. E. and Theansungnoen, T.	Therapeutic Potential, Antimicrobial Activity Against Acne-Causing Bacteria, and Modes of Action of WKK10 and WRR10, Novel Cationic Antimicrobial Peptides	Bioorganic Chemistry 165 (Oct 2025): 108965	Q1	4.7	Medical Applications
108	Laboratory	Sintupattanapun, P., Namvichaisirikul, N., Tongdee, P., Suwannobol, N., Thueng-in, K., Chueadet, A. and Tastub, S.	Efficacy and Safety of the Plook-Fire-Thatu Recipe on Breast Milk Volume and Breast Milk Macronutrient Composition in Postpartum Women: A Randomised Controlled Trial	Complementary Therapies in Medicine 94 (2025): 103255	Q1	3.5	Medical Applications
109	Laboratory	Trasaktaweesakul, T., Asavaritikrai, P., Talabnin, K., Kongnawakul, D., Tastub, S., Jaturutthaweechot, P., Naewwan, N. and Talabnin, C.	In Vitro Properties of Four Benign Meningioma Cells Derived from WHO Grade 1 Meningiomas	Human Cell	Q2	3.1	Medical Applications

Fiscal Year 2025: International Proceedings

1	Ali, N. I. M., Nadzri, N. I. M., Salleh, A. A. M., Uda, M. N. A. and Joseph, S.	Effect of Silicon and Mechanical Alloying on Microstructure and Grain Evolution in CuAl and CuAlSi Alloys	The 4th South East Asia-Japan Conference on Composite Materials 2024 (SEAJCCM 2024) , 13 - 15 August 2024, Kuala Lumpur, Malaysia/ Materials Research Proceedings 56 (2025): 117-123
2	Boonpornprasert, P., Chunjarean, S., Khampiranon, D., Nadeedanklang, J., Manasatitpong, K., Yachum, N., Kokkrathoke, S. and Chanwattana, T.	Electron Beam Energy Measurement in the SLRI 6 MeV Linac using X-ray Scintillator Imaging	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
3	Boonpornprasert, P., Chanwattana, T., Bootiew, S., Chunjarean, S., Dhammatong, C., Juntong, N., Pulampong, T. and Klinkhieo, S.	Overview and Status of Beam Diagnostics for the Injector Linac of the Siam Photon Source	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
4	Chanwattana, T., Boonpornprasert, P., Chunjarean, S., Juntong, N., Bootiew, S., Dhammatong, C., Pulampong, T., Promdee, W. and Klinkhieo, S.	Design of an Upgraded Screen Monitor System for the Siam Photon Source Injector Linac	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
5	Jummunt, S., Sudmuang, P., Phimsen, T., Naeosuphap, S., Sittisard, K., Phanak, M. and Chaichuay, S.	Design and Development of a Beam Scraper System for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
6	Jummunt, S., Aim-O, A., Promdee, W., Pulumpong, T., Suradet, N. and Sudmuang, P.	Study and Development of Beam Loss Monitor for the SPS Storage Ring	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012014
7	Juntong, N., Bootiew, S., Chanwattana, T., Chunjarean, S., Dhammatong, C., Kittimanapun, K. and Manasatitpong, K.	Higher Order Modes Characteristic of the Capacitive Type RF Cavity at the Siam Photon Source	The 15th International Particle Accelerator Conference (IPAC2024). 19-24 May, 2024, Nashville, Tennessee, USA.
8	Kaewjai, J., Kittimanapun, K., Laojamnongwong, N., Poonsawat, W. and Kobdaj, C.	Study of the cluster size of a Monolithic Active Pixel Sensor using a Sr-90 source	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012024
9	Kittimanapun, K., Kaewjai, J. and Laojamnongwong, N.	Energy Selection of Synchrotron Booster for SLRI Beam Test Facility	The 15th International Particle Accelerator Conference (IPAC2024). 19-24 May, 2024, Nashville, Tennessee, USA.
10	Kittimanapun, K., Ngamlamiad, A., Thongjerm, P., Wonglee, S., Pornroongruenchok, W. and Boontueng, P.	Design of Cyclotron-Based In-Vacuum Materials Irradiation Beamline at TINT	The 15th International Particle Accelerator Conference (IPAC2024). 19-24 May, 2024, Nashville, Tennessee, USA.
11	Klinkhieo, S., Suradet, N., Pulampong, T., Chunjarean, S. and Chanwattana, T.	The Observer-Based Estimation of Photon Beam Position for Improved Beamline Stability at SPS	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
12	Klinkhieo, S., Yachum, N., Suradet, N., Chunjarean, S., Kokkrathoke, S., Chanwattana, T. and Pulampong, T.	Model-Based Optimal Control Design for the Orbit Feedback System at the Siam Photon Source	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
13	Nakajima, H., Chaichuay, S., Utke, O., Rattanasuporn, S., Jenpiyapong, W., Supruangnet, R., Pakawanit, P. and Morawe, C.	Development of Undulator Photon Beam Monitor at the Photoemission Beamline in the Siam Photon Laboratory	15th International Conference on Synchrotron Radiation Instrumentation (SRI 2024), 26 - 30 August 2024, Hamburg, Germany/ Journal of Physics: Conference Series 3010 (2025): 012066
14	Nakajima, H., Soontaranon, S., Wasanbongngem, N., Inchoo, A., Pasatcha, C., Tarawarakarn, P., Satasasawat, R., Promdee, W., Wongpinij, T., Jenpiyapong, W., Boonsuya, S. and Rugmai, S.	Magnetic Field Simulation of In-Vacuum Permanent Magnet Multipole Wiggler	15th International Conference on Synchrotron Radiation Instrumentation (SRI 2024), 26 - 30 August 2024, Hamburg, Germany/ Journal of Physics: Conference Series 3010 (2025): 012007
15	Phimsen, T., Sumklang, S., Seegauncha, O. and Sonsuphap, N.	Design and Structural Analysis of a Bending Chamber for EPU Applications in the SPS-II Storage Ring	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
16	Prawanta, S., Saetiaw, J., Rattanawichai, P., Rittaprom, K., Pruekthaisong, P., Aim-O, P. and Klysubun, P.	Utility Design of the 3 GeV Electron Storage Ring for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
17	Promdee, W., Suradet, N., Sudmuang, P., Jummunt, S., Suebka, S. and Pulampong, T.	Improvement of Transverse Beam Size Measurement Using Synchrotron Radiation at Siam Photon Source	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
18	Pulampong, T., Sudmuang, P. and Sunwong, P.	SPS-II Machine Imperfections and Optimization	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
19	Sudmuang, P., Pulampong, T., Chanwattana, T., Jummunt, S., Sunwong, P., Prawanta, S., Juntong, N., Phimsen, T., Boonsuya, S., Sophon, M., Utke, O., Euaruksakul, C. and Klysubun, P.	SPS-II Project: Status Update	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
20	Sudmuang, P., Naeosuphap, S., Pulampong, T., Jummunt, S., Promdee, W., Chanwattana, T., Phimsen, T., Klysubun, P. and Kongtawong, S.	Overview of Diagnostic and Instrumentation for Siam Photon Source-II	14th International Beam Instrumentation Conference (IBIC2025), 7-11 September 2025, Liverpool, UK.
21	Suebka, S., Suradet, N., Pulampong, T. and Promdee, W.	Optimization of Siam Photon Source Storage Ring using Badger	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan

22	Sunwong, P., Yan, T., Prawanta, S., Leetha, T., Phimsen, T., Pruekthaisong, P., Jummunt, S., Pulampong, T. and Sudmuang, P.	Design of Non-Linear Kicker for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
23	Sunwong, P., Chaithawee, P., Kaenda, S., Kwankasem, A., Leetha, T., Numanoy, P., Prawanta, S., Pruekthaisong, P., Srichan, S., Sroison, M., T. and Phimsen, T.	Development of Stretched Wire System for Magnetic Field Measurement of Magnets for Siam Photon Source II	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
24	Sunwong, P. and Tangyotkhajorn, W.	Report on Opera-3D Hands-on Session in the 7th International School on Beam Dynamics and Accelerator Technology (ISBA24)	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 Jun, 2025, Taipei, Taiwan
25	Sunwong, P., Prawanta, S., Jummunt, S., Numanoy, P., Leetha, T., Phimsen, T. and Pruekthaisong, P.	Effects of Eddy Current and Permeability of Vacuum Chamber on Magnetic Field in Booster Synchrotron of Siam Photon Source II	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012013
26	Tangpong, K., Wonglee, S., Pornroongruengchok, W., Thongjerm, P., Kongmon,, E., Kittimanapun, K., Sanghangthum, T. and Ruangchan, S.	Characterizing Proton Beam Properties for Cell Irradiation Study Using GEANT4 Simulation	The 16th International Particle Accelerator Conference (IPAC2025). 1 - 6 June, 2025, Taipei, Taiwan
27	Tangyotkhajorn, W., Sunwong, P., Prawanta, S., Sudmuang, P., Phacheerak, W., Leetha, T. and Naeosuphap, S.	Bandwidth Analysis for a Combined Horizontal and Vertical Correcting Magnet for Siam Photon Source II	The 19th Siam Physics Congress 2024 (SPC 2024). 5-7 June 2024, Krungsri River Hotel, Ayuttaya, Thailand/ Journal of Physics: Conference Series 2934 (2024): 012015
28	Taufik, Manasatitpong, K., Nuraini, E. and Darsono	Design of 3 MeV Electron Linac Prototype for Irradiation Research	12th International Conference on Physics and Its Applications (ICOPIA 2024). 21 August 2024, Universitas Sebelas Maret Surakarta, Indonesia/ Journal of Physics: Conference Series 2945 (2025): 012015