

Fiscal Year 2023: Articles published in refereed journals per individual beamline

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
1	BL1.1W: MXT	Kheawhom, S.	Aupama, V., Kao-ian, W., Sangsawang, J., Mohan, G., Wannapaiboon, S., Mohamad, A. A., Pattananuwat, P., Sriprachuabwong, C., Liu, W. R. and Kheawhom, S.	Stabilizing a Zinc Anode via a Tunable Covalent Organic Framework-Based Solid Electrolyte Interphase	Nanoscal 15 (2023): 9003-13	Apr 2023	Q1	8.307	Materials Science and Engineering
2	BL1.1W: MXT	Marchant, R., Seelanan, T.	Englong, A., Punwong, P., Marchant, R., Seelanan, T., Wynne-Jones, S. and Chirawatkul, P.	High-Resolution Multiproxy Record of Environmental Changes and Anthropogenic Activities at Unguja Ukuu, Zanzibar, Tanzania during the Last 5000 Years	Quaternary 6 (2023): 21	Mar 2023	Q1	2.48	Environmental Science
3	BL1.1W: MXT	Panpranot, J.	Hongrutai, N., Nganglumpoon, R., Watmanee, S., Pinthong, P., Szilágyi, P. A., Titirici, M. M. and Panpranot, J.	In-Situ Electrodeposited Ag/Cu for Electrochemical Reduction of Acetic Acid to Nanodiamond under Ambient Conditions	Materials Today Chemistry 30 (Jun 2023): 101509	May 2023	Q1	7.613	Materials Science and Engineering
4	BL1.1W: MXT	Kawi, S.	Hu, J., Hongmanorom, P., Chen, J., Wei, W., Chirawatkul, P., Galvita, V. V. and Kawi, S.	Tandem Distributing Ni into CaO Framework for Isothermal Integration of CO2 Capture and Conversion	Chemical Engineering Journal 452 (Jan 2023): 139460	Sep 2022	Q1	16.744	Chemistry
5	BL1.1W: MXT	Jiamprasertboon, A., Siritanon, T.	Jiamprasertboon, A., Kafizas, A., Hawkins, E., Singsen, S., Butburee, T., Wannapaiboon, S., Sangkhun, W., Nijpanich, S., Eknapakul, T., Chanlek, N., Waehayee, A., Suthirakun, S. and Siritanon, T.	Photocatalytic NOx Oxidation of BiOCl Nanostructure-Based Films Grown Using Aerosol-Assisted Chemical Vapor Deposition	ACS Applied Nano Materials 6 (2023): 738-749	Dec 2022	Q1	6.14	Chemistry
6	BL1.1W: MXT	Yimklan, S.	Kaesomut, N., Chimupala, Y., Yanu, P., Wannapaiboon, S., Sammawipawekul, N., Tonkaew, S., Jakmune, J. and Yimklan, S.	Ligand-Substitution-Induced Single-Crystal to Single-Crystal Transformations in a Redox-Versatile Cu(II) MOF toward Smartphone Based Colorimetric Detection of Iodide	Inorganic Chemistry 61 (2022): 19612-23	Nov 2022	Q1	5.436	Chemistry
7	BL1.1W: MXT	Kheawhoma, S.	Kao-ian, W., Sangsawang, J., Kidkhunthod, P., Wannapaiboon, S., Suttipong, M., Khampunbut, A., Pattananuwat, P., Nguyen, M. T., Yonezawa, T. and Kheawhom, S.	Unveiling the Role of Water in Enhancing the Performance of Zinc-Ion Batteries using Dimethyl Sulfoxide Electrolyte and Manganese Dioxide Cathode	Journal of Materials Chemistry A 11 (2023): 10584-95	Apr 2023	Q1	14.511	Materials Science and Engineering
8	BL1.1W: MXT	Wongkokua, W.	Monarumit, N., Lhuaamporn, T., Wathanakul, P., Saiyasombat, C. and Wongkokua, W.	The Acceptor-Donor Pair Recombination of Beryllium-Treated Sapphires	Radiation Physics and Chemistry 206 (May 2023): 110756	Jan 2023	Q2	2.776	Earth Science, Archeology and Gemology
9	BL1.1W: MXT	Kadja, G. T. M. Ismunandar	Nurdini, N., Ilmi, M. M., Maryanti, E., Setiawan, P., Kadja, G. T. M. Ismunandar	Thermally-Induced Color Transformation of Hematite: Insight into the Prehistoric Natural Pigment Preparation	Heliyon 8 (Aug 2022): e10377	Aug 2022	Q1	3.776	Earth Science, Archeology and Gemology
10	BL1.1W: MXT	Wongsawaeng, D.	Pamungkas, N. S., Wongsawaeng, D., Kamonsuangkasem, K. and Chio-Srichan, S.	Exploring Qualitative and Quantitative Decoration on Amine-Modified Mesoporous Silica for Enhance	Engineering Journal 27 (2023)	Apr 2023	Q3	1.1	Materials Science and Engineering
11	BL1.1W: MXT	Hunpratub, S.	Phokha, S., Boonserm, K., Chirawatkul, P., Chanlek, N., Kidkhunthod, P., Sata, V., Chindaprasit, P., Hunpratub, S.,	Investigation of the Magnetic and Mechanical Performance of Fly Ash Geopolymer/BaFe12O19 Nanocomposites	Radiation Physics and Chemistry 209 (Aug 2023): 110995	Apr 2023	Q2	2.776	Materials Science and Engineering
12	BL1.1W: MXT	Warnan, J., Fischer, R. A.	Pukdeejorhor, L., Wannapaiboon, S., Berger, J., Rodewald, K., Thongratkaew, S., Impeng, S., Warnan, J., Bureekaew, S. and Fischer, R. A.	Defect Engineering in MIL-125-(Ti)-NH2 for Enhanced Photocatalytic H2 Generation	Journal of Materials Chemistry A 11 (2023): 9143-9151	Mar 2023	Q1	14.511	Chemistry
13	BL1.1W: MXT	Swatsitang, E.	Putjuso, T., Putjuso, S., Karaphun, A., Moontragoon, P., Kotutha, I. and Swatsitang, E.	Influence of Co Doping on Phase, Structure and Electrochemical Properties of Hydrothermally Obtained CoxZn1-xFe2O4 (x=0.0-0.4) Nanoparticles	Scientific Reports 13 (2023): 2531	Feb 2023	Q1	4.996	Materials Science and Engineering
14	BL1.1W: MXT	Rungtaweeworanit, B., Abdel-Mageed, A. M., Faungnawakij, K.	Rungtaweeworanit, B., Abdel-Mageed, A. M., Khemthong, P., Eaimsumang, S., Chakarawet, K., Butburee, T., Kunkel, B., Wohlrab, S., Chainok, K., Phanthasri, J., Wannapaiboon, S., Youngjan, S., Seehamongkol, T., Impeng, S. and Faungnawakij, K.	Structural Evolution of Iron-Loaded Metal-Organic Framework Catalysts for Continuous Gas-Phase Oxidation of Methane to Methanol	ACS Applied Materials & Interfaces 15 (2023): 26700-26709	May 2023	Q1	10.383	Chemistry
15	BL1.1W: MXT	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., Chanlek, N., Poo-arporn, Y., Wannapaiboon, S., Kidkhunthod, P. and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe3O4 and a-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
16	BL1.1W: MXT	Barpanda, P.	Singh, D., Singh, S., Prasanna, P. K., Rai, R. K., Chirawatkul, P., Chakraborty, S., Fichtner, M. and Barpanda, P.	Zinc-Substituted Cobalt Phosphate [ZnCo2(PO4)2] as a Bifunctional Electrocatalyst	Inorganic Chemistry 62 (2023): 12345-12355	Jul 2023	Q1	5.436	Chemistry
17	BL1.1W: MXT	Wantala, K.	Suwannaruang, T., Pratyuanuwat, A., Sinthujariwat, P., Wantala, K., Chirawatkul, P., Junlek, N., Nijpanich, S., Shahmoradi, B. and Shivaraju, H. P. Added name: Chanlek, N.	Dynamically Driven Perovskite La-Fe-Modified SrTiO3 Nanocubes and their Improved Photoresponsive Activity Under Visible Light: Influence of Alkaline Environment	Environmental Science and Pollution Research 30 (2023): 90298-90317	Nov 2022	Q1	5.19	Environmental Science
18	BL1.1W: MXT	Kheawhom, S.	Tangthum, P., Kao-ian, W., Sangsawang, J., Rojviriyaya, C., Chirawatkul, P., Kasemchainan, J., Mahlendorf, F., Nguyen, M. T., Yonezawa, T. and Kheawhom, S.	Carboxymethyl Cellulose as an Artificial Solid Electrolyte Interphase for Stable Zinc-Based Anodes in Aqueous Electrolytes	Materials Science for Energy Technologies 6 (2023): 417-428	Apr 2023	Q1	7.63	Chemistry
19	BL1.1W: MXT	Zhang, X., Qin, J.	Yang, C., Zhang, X., Cao, J., Zhang, D., Kidkhunthod, P., Wannapaiboon, S. and Qin, J.	Interfacial Reconstruction for Regulating Zn2+ Deposition toward Ultrastable Zn Metal Anodes	ACS Applied Materials & Interfaces 15 (2023): 26718-26727	May 2023	Q1	10.383	Materials Science and Engineering
20	BL1.1W: MXT	Suginta, W.	Zhou, Y., Wannapaiboon, S., Prongjit, M., Pornsuwan, S., Sucharitakul, J., Kamonsutthipajit, N., Robinson, R. C. and Suginta, W.	Structural and Binding Studies of a New Chitin-Active AA10 Lytic Polysaccharide Monoxygenase from the Marine Bacterium Vibrio	Acta Crystallographica Section D 79 (2023): 479-497	May 2023	Q1	5.699	Biological and Life Science
21	BL1.2: XTM	Ahmad, R.	Ahmad, R., Ibrahim, W. M. W., Abdullah, M. M. I. B., Pakawanit, P., Vitureanu, P., Abdullah, A. S., Sandu, A. V. and Zaidi, F. H. A.	Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength	Crystals 12 (2022): 1313	Sep 2022	Q2	2.67	Materials Science and Engineering
22	BL1.2: XTM	Surawanitkun, C.	Amorntep, N., Namvong, A., Wongsinlatam, W., Remsungnen, T., Siritaratwat, A., Srichan, C., Sriphan, S., Pakawanit, P., Ariyarat, A.,	Electrical Performance Enhancement of a Triboelectric Nanogenerator Based on Epoxy Resin/BaTiO3 by Al Nanopowder	Nanotechnology 34 (2023): 425401	Jul 2023	Q1	3.953	Micro and Nanotechnology

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23	BL1.2: XTM	Arsairai, B.	Arsairai, B.	Pore characteristics related to porosity and tortuosity of the Sam Khaen Conglomerate Member, Huai Hin Lat Formation, Northeastern Thailand	Arabian Journal of Geosciences 15 (2022): 1718	Nov 2022	Q2	1.827	Earth Science, Archeology and Gemology
24	BL1.2: XTM	Aziz, I. H. A., Abdullah, M. M. A. B., Vizureanu, P.	Aziz, I. H. A., Abdullah, M. M. A. B., Razak, R. A., Yahya, Z., Salleh, M. A. A., Chaiprapa, J., <u>Rojviriyaa, C.</u> , Vizureanu, P., Sandu, A.V., Tahir, M. F., Abdullah, A. and Jamaludin, L.	Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age	Materials 16 (2023): 1096	Jan 2023	Q2	3.748	Materials Science and Engineering
25	BL1.2: XTM	Phaechamud, T.	Chaiya, P., <u>Rojviriyaa, C.</u> , Pichayakorn, W. and Phaechamud, T.	New Insight into the Impact of Effervescence on Gel Layer Microstructure and Drug Release of Effervescent Matrices Using Combined Mechanical and Imaging Characterisation Techniques	Pharmaceutics 14 (2022): 2299	Oct 2022	Q1	6.525	Medical Applications
26	BL1.2: XTM	Vittayakorn, N.	Charoonsuk, T., Supansomboon, S., <u>Pakawanit, P.</u> , Vittayakorn, W., Pongampai, S., Woramongkolchai, S. and Vittayakorn, N.	Simple Enhanced Charge Density of Chitosan Film by the Embedded Ion method for the Flexible Triboelectric Nanogenerator	Carbohydrate Polymers 297 (Dec 2022): 120070	Sep 2022	Q1	10.723	Surface, Interface and Thin Films
27	BL1.2: XTM	Jeong, S. M., Kim, H. J.	Hajra, S., Panda, S., Song, S., Panigrahi, B. K., <u>Pakawanit, P.</u> , Jeong, S. M. and Kim, H. J.	Flexible Composite Material for Self-Powered Applications via Triboelectricity and Mechanoluminescence: PDMS/ZnS:Cu Composites	Nano Energy 114 (2023): 108668	Jul 2023	Q1	19.069	Materials Science and Engineering
28	BL1.2: XTM	Rattanaphra, D.	Kingkam, W., Issarapanacheewin, S., Nuchdang, S., <u>Pakawanit, P.</u> , Puripunyanich, V. and Rattanaphra, D.	Experimental Investigation on Biodiesel Production through Simultaneous Esterification and Transesterification using Mixed Rare Earth Catalysts	Energy Reports 8 (2022): 857–870	Oct 2022	Q1	4.937	Chemistry
29	BL1.2: XTM	Vittayakorn, N.	Noisak, J., Charoonsuk, T., Pongampai, S., Pinpru, N., <u>Pakawanit, P.</u> , Vittayakorn, W., Maluangnont, T., Chiu, T. W. and Vittayakorn, N.	Towards the Preparation of Organic Ferroelectric Composites: Fabrication of a Gamma-Glycine-Bacterial Cellulose Composite via Cold Sintering Process	Journal of Materials Research and Technology 25 (Jul-Aug 2023): 4749-60	Jul 2022	Q1	6.267	Materials Science and Engineering
30	BL1.2: XTM	Maluangnont, T.	Maluangnont, T., Kwamman, T., Pulphol, P., Pongampai, S., Charoonsuk, T., <u>Pakawanit, P.</u> , Seriwattanachai, C., Kanjanaboos, P. and Vittayakorn, N.	Structural, Optical, and Electrical Properties of Cellulose/Titanate Nanosheets Composite with Enhanced Protection Against Gamma Irradiation	Ceramics International 49 (Oct 2023): 31862-31870	Jul 2023	Q1	5.532	Chemistry
31	BL1.2: XTM	Kim, H. J.	Oh, W., Hajra, S., Divya, S., Panda, S., Oh, Y., Jaglic, Z., <u>Pakawanit, P.</u> , Oh, T. H. and Kim, H. J.	Contact Electrification of Porous PDMS-Nickel Ferrite Composites for Effective Energy	Materials Science and Engineering B 292 (Jun 2023): 116397		Q2	3.407	Materials Science and Engineering
32	BL1.2: XTM	Kim, H. J.	Panda, S., Shin, H., Hajra, S., Oh, Y., Oh, W., Lee, J., Rajaiitha, P. M., Panigrahi, B. K., Shukla, J., Sahu, A. K., Alagarsamy, P. and Kim, H. J.	Ferroelectric Composite-Based Piezoelectric Energy Harvester for Self-Powered Detection of Obstructive Sleep	Journal of Materiomics 9 (Jul 2023): 609-617	Feb 2023	Q1	8.589	Materials Science and Engineering
33	BL1.2: XTM	Panmongkol, P.	Panmongkol, P., Rojviriyaa, C. and Phung-on, I.	Study of Imitative Micro pit morphology Evaluation	Materials Research Express 10 (2023): 046514	Apr 2023	Q2	2.025	Materials Science and Engineering
34	BL1.2: XTM	Phaechamud, T.	Senarat, S., <u>Rojviriyaa, C.</u> , Puyathorn, N., Lertsuphotvanit, N. and Phaechamud, T	Levofloxacin HCl-Incorporated Zein-Based Solvent Removal Phase Inversion In Situ Forming Gel for Periodontitis Treatment	Pharmaceutics 15 (2023): 1199	Apr 2023	Q1	6.525	Medical Applications
35	BL1.2: XTM	Cheng-Yong, H.	Shee-Ween, O., Cheng-Yong, H., Yun-Ming, L., Abdullah, M. M. A. B., Li-Ngee, H., <u>Pakawanit, P.</u> , Khalid, M. S., Muhammad, W. H. B. W., Wan-En, O., Yong-Jie, H., Yong-Sing, N. and Hui-Teng, N.	Green Development of Fly Ash Geopolymer via Casting and Pressing Approaches: Strength, Morphology, Efflorescence and Ecological Properties	Construction and Building Materials 398 (sep 2023): 132446	Jul 2023	Q1	7.693	Materials Science and Engineering
36	BL1.2: XTM	Vittayakorn, N.	Sriphan, S., Pharino, U., Charoonsuk, T., Pulphol, P., <u>Pakawanit, P.</u> , Khamman, O., Vittayakorn, W., Vittayakorn, N. and Maluangnont, T.	Tailoring Charge Affinity, Dielectric Property, and Band Gap of Bacterial Cellulose Paper by Multifunctional Ti2NbO7 Nanosheets for Improving Triboelectric Nanogenerator Performance	Nano Research 16 (2023): 3168-79	Aug 2022	Q1	10.269	Materials Science and Engineering
37	BL1.2: XTM	Margaritondo, G.	Stampfl, A. P. J., Liu, Z., Hu, J., Sawada, K., Takano, H., Kohmura, Y., Ishikawa, T., Lim, J. H., Je, J. H., Low, C. M., Teo, A., Tok, E. S., Tan, T. W., Ban, K., Libedinsky, C., Tan, F. C. K., Chen, K. P., Yang, A. C., Chuang, C. C., Chen, N. Y., Shih, C. T., Lee, T. K., Yang, D. N., Lai, H. C., Shuai, H. H., Cheng, C. C., Ching, Y. T., Li, C. W., Charng, C. C., Lo, C. C., Chiang, A. S., Recur, B., Petibois, C., Cheng, C. L., Chen, H. H., Yang, S. M., Hwu, Y., <u>Rojviriyaa, C.</u> , <u>Rugmai, S.</u> , <u>Rujirawat, S.</u> and Margaritondo, G.	SYNAPSE: An International Roadmap to Large Brain Imaging	Physics Reports 999 (Feb 2023): 1-60	Dec 2022	Q1	30.51	Physics
38	BL1.2: XTM	Kheawhom, S.	Tangthum, P., Kao-ian, W., angawang, J., <u>Rojviriyaa, C.</u> , <u>Chirawatkul, P.</u> , Kasemchainan, J., Mahlendorf, F., Nguyen, M. T., Yonezawa, T. and Kheawhom, S.	Carboxymethyl Cellulose as an Artificial Solid Electrolyte Interphase for Stable Zinc-Based Anodes in Aqueous Electrolytes	Materials Science for Energy Technologies 6 (2023): 417-428	Apr 2023	Q1	7.63	Chemistry
39	BL1.2: XTM	Bismayer, U.	<u>Tanhanuch, W.</u> , <u>Tancharakorn, S.</u> , <u>Rojviriyaa, C.</u> and Bismayer, U.	Artefacts from Ban Chiang, Thailand: Pre-Metal Age Cord-Marked Pottery	Zeitschrift für Kristallographie - Crystalline Materials	Jul 2023	Q3	1.616	Earth Science, Archeology and Gemology
40	BL1.2: XTM	Prayoonpokarach, S. and Wittayakun, J.	Tawachkultanadilok, P., Osakoo, N., Keawkumay, C., Deekamwong, K., Sosa, N., <u>Rojviriyaa, C.</u> , Nijpanich, S., Chanlek, N., Prayoonpokarach, S. and Wittayakun, J.	Synthesis and Characterization of Zeolite NaY Dispersed on Bamboo Wood	Materials 16 (2023): 4946	Jul 2023	Q2	3.748	Materials Science and Engineering

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41	BL1.2: XTM	Sriamornsak, P.	Thanawuth, K., Limmatvapirat, S., <u>Rojviriya, C.</u> and Sriamornsak, P.	Controlled Release of Felodipine from 3D-Printed Tablets with Constant Surface Area: Influence of Surface Geometry	Pharmaceutics 15 (2023): 467	Jan 2023	Q1	6.525	Medical Applications
42	BL1.2: XTM	Kaewkhao, J.	Wantana, N., Kaewnuam, E., Tariwong, Y., Quang, N. D., <u>Pakawanit, P.</u> , Phoovasawat, C., Vittayakorn, N., Kothan, S., Kim, H. J. and Kaewkhao, J.	Na2O-Gd2O3-Al2O3-P2O5 Glass Scintillator Doped with Dy3+: X-Rays and Proton Responses	Japanese Journal of Applied Physics 62 (2023): 010602	Oct 2022	Q2	1.491	Materials Science and Engineering
43	BL1.2: XTM	Limpaiboon, T.	Wuttisiriboon, K., Tippayawat, P., Daduang, J. and Limpaiiboon, T.	Three-Dimensional Silk Fibroin-Gelatin/Chondroitin Sulfate/Hyaluronic Acid-Aloe Vera Scaffold Supports In Vitro Chondrogenesis of Bone Marrow Mesenchymal Stem Cells and Reduces Inflammatory Effect	Journal of Biomedical Materials Research Part B: Applied Biomaterials 111 (aug 2023): 1557-70	Mar 2023	Q2	3.405	Medical Applications
44	BL1.2: XTM	Yun-Ming, L.	Yong-Sing, N., Yun-Ming, L., Cheng-Yong, H., Abdullah, M. M. A. B., <u>Rojviriya, C.</u> , Khalid, M. S., Shee-Ween, O., Wan-En, O. and Yong-Jie, H.	Interaction of Silica Fume on Flexural properties of 10mm-Thickness Geopolymers Based on Fly Ash and Ladle Furnace Slag Under the Thermal Conditions	Journal of Building Engineering 69 (Jun 2023): 106331	Mar 2023	Q1	7.144	Materials Science and Engineering
45	BL1.3W: SAXS	Sukyai, P.	Boyete, M. J. B., Torgbo, S., Sukyai, P., Watthanasakphuban, N. and <u>Kamonsuttipajit, N.</u>	Filter Cake-Derived Calcium Carbonate Polymorphs from Sugar Refinery for Hydroxyapatite Production as a Sustainable Material for Biomedical Application	Ceramics International 49 (Jul 2023): 23417-25	Apr 2023	Q1	5.532	Medical Applications
46	BL1.3W: SAXS	Srichana, T.	Chunhachaichana, C., Sawatdee, S., <u>Rugmai, S.</u> and Srichana, T.	Development and Characterization of Nanodispersion-Based Sildenafil Pressurized Metered-Dose Inhaler using Combined Small-Angle X-Ray Scattering, Dynamic Light Scattering, and Impactors	Journal of Drug Delivery Science and Technology 76 (Oct 2022): 103746	Sep 2022	Q1	5.062	Medical Applications
47	BL1.3W: SAXS	Masa, A.	Hayeemasae, N., Waesateh, K., <u>Soontaranon, S.</u> and Masa, A.	Effect of Vulcanization Systems and Crosslink Density on Tensile Properties and Network Structures of Natural Rubber	Jurnal Teknologi (Sciences and Engineering) 84 (Nov 2022): 181-187	Oct 2022	Q3	0.86	Polymers
48	BL1.3W: SAXS	Masa, A.	Hayeemasae, N., Saiwari, S., <u>Soontaranon, S.</u> and Masa, A.	Influence of Centrifugation Cycles of Natural Rubber Latex on Final Properties of Uncrosslinked Deproteinized Natural Rubber	Polymers 14 (2022): 2713	Jul 2022	Q1	4.967	Polymers
49	BL1.3W: SAXS	Masa, A.	Hayeemasae, N., <u>Soontaranon, S.</u> and Masa, A.	Influence of Different Vulcanizing Agents on Structures and properties of Sepiolite-Filled Natural Rubber Composites	Express Polymer Letters 17 (2023): 181-195	Sep 2022	Q1	3.952	Polymers
50	BL1.3W: SAXS	Masa, A.	Hayeemasae, N., <u>Soontaranon, S.</u> , Thainirarn, P. and Masa, A.	Structure-Property Relationships of Epoxidized Natural Rubber Vulcanizates	Journal of Macromolecular Science, Part B Physics 61 (2022); 1517-34	Apr 2023	Q3	1.366	Polymers
51	BL1.3W: SAXS	Prapainainar, P.	Jansomboon, W., <u>Chio-Srichan, S.</u> , Loykulnant, S. and Prapainainar, P.	The Effect of Electron Beam Irradiation and Fillers on Natural Rubber Prepared by Latex Mixing: A Small and Wide Angle X-ray Scattering Study	Results in Engineering 16 (Dec 2022): 100707	Oct 2022	Q1	SJR21-0.692, WoS-	Polymers
52	BL1.3W: SAXS	Phosri, S.	Naksuwan, K., <u>Chaipayang, S.</u> , Charoeythornkhajhornchai, P. and Phosri, S.	Fabrication, Characterization, and Biocompatibility Study of Gelatin-Blended Fibroin Scaffold	ASEAN Journal of Scientific and Technological Reports 26 (Apr-Jun 2023): 67-76	Mar 2023	Q4	0.4	Biological and Life Science
53	BL1.3W: SAXS	Trongsatitkul, T. and Suppakarn, N.	Nonkrathok, W., Trongsatitkul, T. and Suppakarn, N.	Role of Maleic Anhydride-Grafted Poly(lactic acid) in Improving Shape Memory Properties of Thermoresponsive Poly(ethylene glycol) and Poly(lactic acid) Blends	Polymers 14 (2022): 3923	Sep 2022	Q1	4.967	Polymers
54	BL1.3W: SAXS	Wongsawaeng, D.	Pamungkas, N. S., Wongsawaeng, D., <u>Kamonsuangkasem, K.</u> and <u>Chio-Srichan, S.</u>	Exploring Qualitative and Quantitative Decoration on Amine-Modified Mesoporous Silica for Enhance	Engineering Journal 27 (2023)	Apr 2023	Q3	1.1	Materials Science and Engineering
55	BL1.3W: SAXS	Suwannaporn, P.	Ranathunga, A., Suwannaporn, P., Kiatpongarp, W., Wansuksri, R. and Sagis, L. M. C.	Molecular Structure and Linear-Non Linear Rheology Relation of Rice Starch During Milky, Dough, and Mature Stages	Carbohydrate Polymers 312 (Jul 2023); 120812	Mar 2023	Q1	10.723	Food and Agricultural Science
56	BL1.3W: SAXS	Rungswang, W.	Rungswang, W., Nantasetphong, W., Jarumaneeroj, C., Makkaroon, B., Juabrum, S., <u>Kaewsuwan, D.</u> , <u>Soontaranon, S.</u> and <u>Rugmai, S.</u>	Influences of Processing Conditions on Gradient Structures in Injection-Molded Polyethylene Caps and their property Correlations	Journal of Applied Polymer Science 140 (Sep 2023): e54354	Jun 2023	Q2	3.057	Polymers
57	BL1.3W: SAXS	Masa, A.	Saiwari, S., Hayeemasae, N., <u>Soontaranon, S.</u> , Kalkornsrapanee, E., Jaratrotkamjorn, R. and Masa, A.	Structure-Property Relationships in Natural Rubber Representing Several Clonal Varieties of Hevea Brasiliensis	Progress in Rubber, Plastics and Recycling Technology 38 (Nov 2022);	Sep 2022	Q2	2.171	Polymers
58	BL1.3W: SAXS	Pistidda, C.	Shang, Y., Jin, O., Puzskiel, J. A., Karimi, F., Dansirima, P., Sittiwet, C., Utke, R., <u>Soontaranon, S.</u> , Le, T. T., Gizer, G., Szabo, D. V., Wagner, S., Kübel, C., Klassen, T., Dornheim, M., Pundt, A. and Pistidda, C.	Effects of Metal-Based Additives on Dehydrogenation Process of 2NaBH4 þ MgH2 System	International Journal of Hydrogen Energy 47 (2022): 37882-37894	Sep 2022	Q1	7.139	Chemistry
59	BL1.3W: SAXS	Wongrakpanich, A.	Teeranachaideekul, V., <u>Soontaranon, S.</u> , Sukhasem, S., Chantasart, D. and Wongrakpanich, A.	Influence of the Emulsifier on Nanostructure and Clinical Application of Liquid Crystalline Emulsions	Scientific Reports 13 (2023): 4185	Mar 2023	Q1	4.996	Medical Applications
60	BL1.3W: SAXS	Ali, M. S. M.	Yaacob, N., <u>Kamonsuttipajit, N.</u> , <u>Soontaranon, S.</u> , Leow, T. C., Rahman, R. N. Z., R. A. and Ali, M. S. M.	Structural Interpretations of a Flexible Cold-Active AMS8 Lipase by Combining Small-Angle X-Ray Scattering and Molecular Dynamics Simulation (SAXS-MD)	International Journal of Biological Macromolecules 220 (Nov 2022): 1095-1103	Aug 2022	Q1	8.025	Biological and Life Science
61	BL1.1W: MXT	Suginta, W.	Zhou, Y., <u>Wannapaiboon, S.</u> , Prongjit, M., Pornsuwan, S., Sucharitakul, J., <u>Kamonsuttipajit, N.</u> , Robinson, R. C. and Suginta, W.	Structural and Binding Studies of a New Chitin-Active AA10 Lytic Polysaccharide Monooxygenase from the Marine Bacterium Vibrio	Acta Crystallographica Section D 79 (2023): 479-497	May 2023	Q1	5.699	Biological and Life Science
62	BL2.2: TRXAS	Meethong, N., Limphirat, W.	Buakeaw, S., Kaewmala, S., Kamma, N., Nash, J., Srilomsak, S., Meethong, N., <u>Limphirat, W.</u>	Combining XAS with XRD for Elucidating the Complex Structural behavior of Pre-Lithiated SnO Anode Materials for Lithium-Ion Batteries	Radiation Physics and Chemistry 207 (Jun 2023): 110806	Jan 2023	Q2	2.776	Materials Science and Engineering

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
63	BL2.2: TRXAS	Chareonpanich, M.	Du, Z., Chotchaipitakkul, R., Sangteantong, P., Donphai, W., <u>Limphirat, W.</u> , <u>Poo-arporn, Y.</u> , <u>Nijpanich, S.</u> , Kiatphuengporn, S., Jantaratana, P. and Chareonpanich, M.	Catalytic LPG Conversion Over Fe-Ga Modified ZSM-5 Zeolite Catalysts with Different Particle Sizes: Effect of Confined-Space Zeolite and External Magnetic Field	Topics in Catalysis	May 2023	Q2	2.781	Chemistry
64	BL2.2: TRXAS	Srifa, A.	Kalong, M., Srifa, A., Ratchahat, S., Kooamornpattana, W., <u>Poo-arporn, Y.</u> , <u>Limphirat, W.</u> , Khemthong, P., Assabumrungrat, S., Tomishige, K. and Kawi, S.	Continuous Flow Hydrogenolysis of 5-Hydroxymethylfurfural into 2,5-Dimethylfuran over Alumina-Supported Nickel-Iron Alloy Catalysts	Sustainable Energy Fuels 7 (2023); 934-948	Jan 2023	Q1	6.813	Chemistry
65	BL2.2: TRXAS	Limthongkul, P., Limphirat, W. and Meethong, N.	Kamma, N., Chantrasuwan, P., Buakeaw, S., Kaewmala, S., Nash, J., Limthongkul, P., <u>Limphirat, W.</u> and Meethong, N.	Site Occupancy Studies of Cobalt Doping in a Lithium Iron Phosphate Material using Combined Electrochemical and X-ray based Techniques	Radiation Physics and Chemistry 207 (Jun 2023): 110816	Feb 2023	Q2	2.776	Materials Science and Engineering
66	BL2.2: TRXAS	Meethong, N.	Kaewmala, S., Kamma, N., Buakeaw, S., <u>Limphirat, W.</u> , Nash, J., Srilomsak, S., Limthongkul, P. and Meethong, N.	Impacts of Mg Doping on the Structural Properties and Degradation Mechanisms of a Li and Mn Rich Layered Oxide Cathode for Lithium-Ion Batteries	Scientific Reports 13 (2023): 4526	Mar 2023	Q1	4.996	Materials Science and Engineering
67	BL2.2: TRXAS	Witoon, T.	Numpilai, T., Dolsirittigul, N., Laobuthee, A., Cheng, C. K., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> and Witoon, T.	One-Pot Synthesis of Cu-SO ₄ ---ZrO ₂ Catalysts for Use as Acid Catalyst in Dimethyl Ether Production from CO ₂ Hydrogenation	Topics in Catalysis	Apr 2023	Q1	2.781	Chemistry
68	BL2.2: TRXAS	Choojun, K., Sooknoi, T.	Promchana, P., Choojun, K., <u>Limphirat, W.</u> , <u>Poo-arporn, Y.</u> and Sooknoi, T.	Selective Acetylene Removal from Ethylene-Rich Feed by Cross-Metathesis over Supported WO ₃ Catalysts	Applied Catalysis A, General 650 (Jan 2023): 118972	Nov 2022	Q1	5.732	Chemistry
69	BL2.2: TRXAS	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , Wannapaiboon, S., Kidkhunthod, P. and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe ₃ O ₄ and α-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
70	BL3.1: XPS	Intasanta, V.	Arin, J., Panith, P., Subjalearndee, N., Thongkam, P. and Intasanta, V.	Conductive and Anti-Bacterial Self-Bundled Nanofibrous Yarns from Electrostatic Induction of Keggin Polyoxometalates	Materials Science and Technology 39 (2023): 2050-2061	Mar 2023	Q2	2.06	Chemistry
71	BL3.1: XPS	Neramittagapong, S.	Athikaphan, P., Wongsanga, K., Klanghiran, S., Lertna, N., Neramittagapong, A., Rood, S. C., <u>Nijpanich, S.</u> and Neramittagapong, S.	Degradation of Formaldehyde by Photo-Fenton Process over n-ZVI/TiO ₂ Catalyst	Environmental Science and Pollution Research 30 (2023): 90397-90409	Feb 2023	Q1	5.19	Chemistry
72	BL3.1: XPS	Pimanpang, S., Ruttanapun, C.	Aunping, N., Kumlangwan, P., Towannang, M., <u>Chanlek, N.</u> , Kumnorkaew, P., Klangtakai, P., Srepusharawoot, P., Thongnum, A., Chompoosor, A., Jarernboon, W., Pimanpang, S., Ruttanapun, C. and Amornkitbamrung, V.	Effect of GeI ₂ and GeBr ₂ Incorporation on Perovskite properties and Performance of Carbon-Based Perovskite Solar Cells	Journal of the Korean Physical Society 82 (2023): 763-775	Feb 2023	Q4	0.657	Surface, Interface and Thin Films
73	BL3.1: XPS	Srepusharawoot, P.	Boonlakhorn, J., <u>Chanlek, N.</u> , Suksangrat, P., Thongbai, P. and Srepusharawoot, P.	Colossal Dielectric Properties of Na _{1/3} Ca _{1/3} Sm _{1/3} Cu ₃ Ti ₄ O ₁₂ Ceramics: Computational and Experimental Investigations	Ceramics International 49 (Jan 2023): 1690-1699	Sep 2022	Q1	5.532	Materials Science and Engineering
74	BL3.1: XPS	Saisopa, T.	Bootchanont, A., Wechprasit, T., Isran, N., Theangsunthorn, J., Chaosuan, N., <u>Chanlek, N.</u> , Kidkhunthod, P., Yimnirun, R., Jiamprasertboon, A., Eknapakul, T., Siritanon, T., Sailuam, W. and Saisopa, T.	Correlation of the Antibacterial Activity and Local Structure in Zn- and Mn-doped Hydroxyapatites by Rietveld Refinement and the First-Principles Method	Materialia 26 (Dec 2022): 101586	Oct 2022	Q1	0.915	Materials Science and Engineering
75	BL3.1: XPS	Butburee, T., Faungnawakij, K.	Butburee, T., Ponchai, J., Meeporn, K., Phawa, C., Chakhranont, P., Khemthong, P., Mano, P., Namuangruk, S., Chinsirikul, W., Faungnawakij, K., Zhao, X. and Pennycook, S.	New Folding 2D-Layered Nitro-Oxygenated Carbon Containing Ultra High-Loading Copper Single Atoms	Small (2022): 2204767	Nov 2022	Q1	15.153	Materials Science and Engineering
76	BL3.1: XPS	Chanlek, N., Yimnirun, R.	Chatarat, W., <u>Chanlek, N.</u> , Euaruksakul, C., Nakajima, H., Rusamiputi, J., Ittisanronnachai, S., Konkhunhot, N., <u>Rujirawat, S.</u> , Songsirittigul, P. and Yimnirun, R.	Structural Characterization of Ultrathin Diamond-Like Carbon Overcoats for High Areal Density Magnetic Recording	Materialia 27 (Mar 2023): 101650	Dec 2022	Q1	3.44	Surface, Interface and Thin Films
77	BL3.1: XPS	Utke, R.	Dansirima, P., Thiangviriyaa, S., Plerdsranoy, P., <u>Chanlek, N.</u> and Utke, R.	Effects of Ni Precursors on the Formation of Mg-Fe-Ni Intermetallic Hydrides, Kinetics, and Reversibility	RSC Advances 13 (2023): 16926-16934	Jun 2022	Q2	4.036	Materials Science and Engineering
78	BL3.1: XPS	Numpilai, T., Chanlek, N.	Dolsirittigul, N., Numpilai, T., Wattanakit, C., Seubsai, A., Faungnawakij, K., Cheng, C. K., Vo, D. v. N., <u>Nijpanich, S.</u> , <u>Chanlek, N.</u> and Witoon, T.	Structure-Activity Relationships of Pt-WO _x /Al ₂ O ₃ Prepared with Different W Contents and Pretreatment Conditions for Glycerol Conversion to 1,3-Propanediol	Topics in Catalysis 66 (2023): 205-222	Nov 2022	Q1	2.781	Chemistry
79	BL3.1: XPS	Phokha, S.	Hunpratub, S., Chullaphan, T., Chumpolkulwong, S., <u>Chanlek, N.</u> and Phokha, S.	Characterization and Electrochemical Properties of Carbon/CeO ₂ Composites prepared Using a Hydrothermal Method	Materials Chemistry and Physics 303 (Jul 2023): 127820	Apr 2023	Q2	4.778	Materials Science and Engineering
80	BL3.1: XPS	Kothan, S., Kaewkhao, J.	Intachai, N., Wantana, N., Kaewjaeng, S., Kothan, S., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Kim, H.J., Kantuptim, P., Yanagida, T., Rajaramakrishna, R., Kaewkhao, J.,	Role of the Gd ₂ O ₃ Increment on the Cerium Oxidation State and Luminescence Behavior in the CeF ₃ Doped Silicoborate Glass	Radiation Physics and Chemistry 207 (Jun 2023): 110862	Feb 2023	Q2	2.776	Materials Science and Engineering
81	BL3.1: XPS	Phokha, S.	Jantachum, P., Utara, S., Hunpratub, S., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> and Phokha, S.	Improved Magnetic properties of CeO ₂ Nanoparticles on Ce ³⁺ +Valence States by Fe ³⁺ /Co ²⁺ /Mn ²⁺ -Doped CeO ₂ Nanoparticles	Radiation Physics and Chemistry 208 (Jul 2023); 110920	Mar 2023	Q2	2.776	Physics
82	BL3.1: XPS	Jiamprasertboon, A., Siritanon, T.	Jiamprasertboon, A., Kafizas, A., Hawkins, E., Singsen, S., Butburee, T., <u>Wannapaiboon, S.</u> , Sangkhun, W., <u>Nijpanich, S.</u> , Eknapakul, T., <u>Chanlek, N.</u> , Waehayee, A., Suthirakun, S. and Siritanon, T.	Photocatalytic NO _x Oxidation of BiOCl Nanostructure-Based Films Grown Using Aerosol-Assisted Chemical Vapor Deposition	ACS Applied Nano Materials 6 (2023): 738-749	Dec 2022	Q1	6.14	Chemistry

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
83	BL3.1: XPS	Butburee, T., Siritanon, T.	Jiamprasertboon, A., Sertwatsana, S., Ngamwongwan, L., Sangkhun, W., Waehayee, A., Phonsuksawang, P., Bootchanont, A., Nijpanich, S., Busayaporn, W., Nakajima, H., Suthirakun,	Controllable Synthesis of Nanostructured Bismuth Vanadate Thin Films as an Efficient Catalyst for Photoelectrochemical Water Splitting	New Journal of Chemistry 47 (2023): 14758-14767	Jun 2023	Q2	3.925	Chemistry
84	BL3.1: XPS	Jumpatam, J.	Jumpatam, J., Boonlakhorn, J., Putaseang, B., Chanlek, N. and Thongbai, P.	Preparation, Characterizations, Dielectric Properties and Nonlinear Behavior of (Na+1/3Ca2+1/3Yb3+1/3)Cu3Ti4O12 Ceramics	Solid State Sciences 132 (Oct 2022): 106994	Aug 2022	Q2	3.752	Materials Science and Engineering
85	BL3.1: XPS	Maensiri, S.	Khajonrit, J., Sichumsaeng, T., Kalawa, O., Chaisit, S., Chinnakorn, A., Chanlek, N. and Maensiri, S.	Mangosteen Peel-Derived Activated Carbon for Supercapacitors	Progress in Natural Science: Materials International 32 (Oct 2022): 570-578	Sep 2022	Q1	4.269	Materials Science and Engineering
86	BL3.1: XPS	Hasin, P.	Kladkaew, M., Lin, J. Y., Chanlek, N., Vailikhit, V. and Hasin, P.	Well-Dispersive Polypyrrole and MoSe2 Embedded in Multiwalled Carbon Nanotube@Reduced Graphene Oxide Nanoribbon Electrode as the Efficient Counter Electrodes in Rigid and Plastic Dye-Sensitized Solar Cells	ACS Applied Energy Materials 6 (2023): 397-415	Dec 2022	Q1	6.959	Materials Science and Engineering
87	BL3.1: XPS	Chanlek, N.	Kaewsuwan, D., Wongpinij, T., Euaruksakul, C., Chanlek, N., Triamnak, N., Lertvanithphol, T., Horprathum, M., Kaewkhao, J., Manyum, P., Yimnirun, R. and Rujirawat, S.	Photoluminescence of Tin Dioxide (SnO2) Nanostructure Grown on Si(001) by Thermal Evaporation technique	Radiation Physics and Chemistry 206 (May 2023): 110805	Jan 2023	Q2	2.776	Materials Science and Engineering
88	BL3.1: XPS	Poo-arporn, R. P	Khownarumit, P., Choosang, K., Poo-arporn, R. P., Poo-arporn, Y., Chanlek, N. and Surareungchai, W.	Bio-Electroanalysis Performance of Heme Redox-Center for n-n Interaction Bonding of a Methylene Blue-Graphene Modified Electrode	Nanomaterials 13 (2023): 745	Feb 2023	Q1	5.719	Materials Science and Engineering
89	BL3.1: XPS	Luksirikul, P.	Kankla, P., Butburee, T., Chanlek, N., Sattayaporn, S. and Luksiriku, P.	Enhanced Performance of Bimetallic Pd-based Electrocatalysts for Formic Acid Oxidation	Topics in Catalysis	May 2023	Q2	2.781	Chemistry
90	BL3.1: XPS	Tran, T. T. V., Samart, C.	Le, T. K. T., Kongparakul, S., Zhang, H., Zhao, J., Guan, G., Chanlek, N., Tran, T. T. V. and Samart, C.	Highly Efficient Liquid-phase Oxidation of 5-Hydroxymethylfurfural over Co-Cu/Activated Carbon Catalysts	Molecular Catalysis 539 (Mar 2023): 113017	Feb 2023	Q1	5.089	Chemistry
91	BL3.1: XPS	Kruefu, V.	Leangtanom, P., Wisitorsaet, A., Tuantranont, A., Chanlek, N., Pookmanee, P., Sattienperakul, S., Phanichphant, S. and Kruefu, V.	Microwave-Assisted Hydrothermal/Impregnation Synthesis of Cu2O-Decorated rGO/In2O3 Nanorices for Sensitive SO2 Gas Sensors	ACS Applied Nano Materials 6 (2023): 12980-12990	Jul 2023	Q1	10.383	Materials Science and Engineering
92	BL3.1: XPS	Padchasi, J., Kidkhunthod, P.	Lomon, J., Padchasi, J., Montreeupathum, A., Siriroj, S., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Songsiriritthigul, P., Kidkhunthod, P.	Nickel and Manganese on Lithium Borate Glass Cathode for Energy Storage Materials	Materialia 26 (Dec 2022): 101583	Sep 2022	Q1	3.44	Materials Science and Engineering
93	BL3.1: XPS	Thongbai, P.	Mingmuang, Y., Chanlek, N., Harnchana, V. and Thongbai, P.	Effect of Sn4+--Isovalent Doping Concentration on Giant Dielectric Properties of SnxTao.025Ti0.975-xO2 Ceramics	Ceramics International 49 (Jan 2023): 188-193	Aug 2022	Q1	5.532	Materials Science and Engineering
94	BL3.1: XPS	Thongbai, P.	Nachaitong, T., Chanlek, N., Moontragoon, P., Srepusharawoot, P. and Thongbai, P.	Dielectric Relaxations and Low Dissipation Factor with Excellent Temperature Stability of Ti1-x(Co1/3Ta2/3)xO2 Ceramics	Results in Physics 47 (Apr 2023): 106334	Mar 2023	Q2	4.565	Materials Science and Engineering
95	BL3.1: XPS	Amnuaypanich, S.	Nanthagal, K., Khoonsap, S., Harnchana, V., Suphasorn, P., Chanlek, N., Sinthiptharakoon, K., Lapawae, K. and Amnuaypanich, S.	Unprecedented Triboelectric Effect of Lignin on Enhancing the Electrical Outputs of Natural-Rubber-Based Triboelectric Nanogenerators (TENGS)	ACS Sustainable Chemistry & Engineering 4 (2023): 1311-23	Dec 2022	Q1	9.224	Polymers
96	BL3.1: XPS	Intasanta, V.	Narkbuakaew, T. and Intasanta, V.	Modified g-C3N4 with Boron Doping for Efficient Simultaneous Catalytic Reduction of Ag+ and Organic Pollutants	Materials Today Sustainability 20 (Dec 2022): 100258	Nov 2022	Q1	7.244	Chemistry
97	BL3.1: XPS	Supangat, A.	Natashah, F. A., Sabri, A. A. M., Alzahrani, H., Mamat, M. H., Roslan, N. A., Bawazeer, T. M., Alsenany, N., Alsoufi, M. S. and Supangat, A.	Dicarbocyanine-Based Organic Humidity Sensors	Synthetic Metals 293 (Mar 2023): 117299	Feb 2023	Q1	4	Materials Science and Engineering
98	BL3.1: XPS	Yimnirun, R.	Nathabumroong, S., Chanlek, N., Sareein, T., Chongserecharoen, E., Pakawani, P., Poochai, C., Eknapakul, T., Sriprachuabwong, C., Nakajima, H., Thangdee, P., Lomas, T., Rujirawat, S., Songsiriritthigul, P., Manyum, P., Tuantranont, A. and Yimnirun, R.	Comparative Study on the Structural and Electrochemical properties of Nitrogen-Doped and Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Electrode prepared by Hydrothermal Technique	Radiation Physics and Chemistry 208 (Jul 2023): 110887	Mar 2023	Q2	2.776	Materials Science and Engineering
99	BL3.1: XPS	Ngernyen, Y.	Ngernyen, Y., Petsri, D., Sriphanthao, K., Kongpennit, K., Piniyam, P., Pedsakul, R. and Hunt, A. J.	Adsorption of the Non-Steroidal Anti-Inflammatory Drug (ibuprofen) onto Biochar and Magnetic Biochar prepared from Chrysanthemum Waste of the Beverage Industry	RSC Advances 13 (2023): 14712-14728	May 2023	Q1	4.036	Environmental Science
100	BL3.1: XPS	Witoon, T.	Numpilai, T., Dolsirittigul, N., Laobuthee, A., Cheng, C. K., Chanlek, N., Poo-arporn, Y. and Witoon, T.	One-Pot Synthesis of Cu-SO4--ZrO2 Catalysts for Use as Acid Catalyst in Dimethyl Ether Production from CO2 Hydrogenation	Topics in Catalysis	Apr 2023	Q1	2.781	Chemistry
101	BL3.1: XPS	Park, J. H., Hagio, T.	Park, J. H., Hagio, T., Nijpanich, S., Chanlek, N., Chaiprapa, J., Songsiriritthigul, C., Songsiriritthigul, P. and Ichino, R.	Electrodeposition of Amorphous Molybdenum Oxide on Iron Group Element Based Plating and its Novel Application as a Corrosion Protective Coating	Journal of The Electrochemical Society 169 (2022): 072503	Jul 2022	Q1	4.386	Materials Science and Engineering
102	BL3.1: XPS	Padungthon, S.	Patra, S., Pranudta, A., Chanlek, N., Nguyen, T. T., Nhat, N. H., El-Moselhy, M. M. and Padungthon, S.	Denitrification of Nitrate in Regeneration Waste Brine using Hybrid Cation Exchanger Supported Nanoscale Zero-Valent Iron with/without Palladium Nanoparticles	Chemosphere 310 (Jan 2023): 136851	Oct 2022	Q1	8.943	Environmental Science
103	BL3.1: XPS	Hunpratub, S.	Phokha, S., Boonserm, K., Chirawatkul, P., Chanlek, N., Kidkhunthod, P., Sata, V., Chindaprasit, P., Hunpratub, S.,	Investigation of the Magnetic and Mechanical Performance of Fly Ash Geopolymer/BaFe12O19 Nanocomposites	Radiation Physics and Chemistry 209 (Aug 2023): 110995	Apr 2023	Q2	2.776	Materials Science and Engineering
104	BL3.1: XPS	Thongbai, P.	Prachamon, J., Sattapol, P., Chanlek, N., Putasaeng, B., Phromviyo, N., Harnchana, V., Swatsitang, E. and Thongbai, P.	Significantly Improved Giant Dielectric properties and Enhanced Nonlinear Coefficient of Ni2+ Doped CaCu3Ti4O12/ CaTiO3	Heliyon 9 (2023): e17048	Jun 2022	Q1	3.776	Materials Science and Engineering

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
105	BL3.1: XPS	Swatsitang, E.	Putjuso, T., Putjuso, S., Karaphun, A., <u>Nijpanich, S., Chanlek, N.</u> and Swatsitang, E.	Hydrothermally Obtained β -MnO ₂ Nanoparticles/Activated Carbonized Coconut Fibers Composites, Electrochemical Properties Study for Future Energy Storage Devices	Applied Surface Science 618 (May 2023): 156653	Feb 2023	Q1	7.392	Materials Science and Engineering
106	BL3.1: XPS	Ramly, M. M., Goh, B. T.	Ramly, M. M., Omar, F. S., <u>Chanlek, N.</u> , Aspanut, Z. and Goh, B. T.	Control Growth of High Density and Morphological Uniformity of tTaper-Free Ni ₃ Si ₂ NWs for Enhancement in Supercapacitor	Electrochimica Acta 431 (Nov 2022); 141076	Sep 2022	Q1	7.336	Materials Science and Engineering
107	BL3.1: XPS	Kaewkhao, J.	Rajaramakrishna, R., Kothan, S., <u>Busayaporn, W., Chanlek, N.</u> , Kim, N. J., Prongsamrong, P. and Kaewkhao, J.	Synchrotron, Luminescence, and XPS Studies of Gd³⁺:Dy³⁺:Ce³⁺ Tri-Rare-Earth Oxides in Borate Glasses	Radiation Physics and Chemistry 206 (May 2023): 110757	Jan 2023	Q2	2.776	Physics
108	BL3.1: XPS	Meevasana, W.	Saengsui, W., Tangkittimasak, T., Suwan, M., Sangwong, N., Tangon, C., <u>Chanlek, N.</u> , Rakkwamsuk, P., Supothina, S. and Meevasana, W.	Electronic and Phononic Absorption Contributions to Near-Infrared Reflectance of Mg _{1-x} CoxAl ₂ O ₄ , Zn _{1-x} CoxFe ₂ O ₄ and Cr _x Sb _x Ti _{1-2x} O ₂ Pigments	Journal of Alloys and Compounds 939 (Apr 2023): 168695	Jan 2023	Q1	6.371	Materials Science and Engineering
109	BL3.1: XPS	Kaewkhao, J.	Sarumaha, C. S., Rajagukguk, J., Chanthima, N., <u>Kidkhunthod, P., Chanlek, N., Kantuptim, P., Yanagida, T., Kim, H. J.</u> and Kaewkhao, J.	Luminescence Characteristics of Ce³⁺ doped Multicomponent Lithium Fluorophosphate Glasses	Radiation Physics and Chemistry 207 (Jun 2023): 110814	Feb 2023	Q2	2.776	Materials Science and Engineering
110	BL3.1: XPS	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N., Poo-arporn, Y., Wannapaiboon, S., Kidkhunthod, P.</u> and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe₃O₄ and α-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
111	BL3.1: XPS	Nanan, S.	Senasu, T., Lorwanishpaisarn, N., Hemavibool, K., <u>Nijpanich, S., Chanlek, N.</u> and Nanan, S.	Construction of g-C ₃ N ₄ /BiOCl/CdS Heterostructure Photocatalyst for Complete Removal of Oxytetracycline antibiotic in Wastewater	Separation and Purification Technology 306 (Feb 2023): 122735	Nov 2022	Q1	9.136	Environmental Science
112	BL3.1: XPS	Supamathanon, N.	Supamathanon, N., Boonserm, K., Osakoo, N., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N.</u> and Dungkaew, W.	Potassium Supported on Zeolite-Geopolymer Hybrid Materials as a New Solid Base Catalyst for Transesterification of Soybean Oil	Renewable Energy 202 (Jan 2023): 1460-69	Dec 2022	Q1	8.634	Materials Science and Engineering
113	BL3.1: XPS	Wantala, K.	Suwannaruang, T., Pratyauwat, A., Sinthujariwat, P., Wantala, K., <u>Chirawatkul, P., Junlek, N., Nijpanich, S., Shahmoradi, B.</u> and Shivaraju, H. P. Added name: Chanlek, N.	Dynamically Driven Perovskite La-Fe-Modified SrTiO₃ Nanocubes and their Improved Photoresponsive Activity Under Visible Light: Influence of Alkaline Environment	Environmental Science and Pollution Research 30 (2023): 90298-90317	Nov 2022	Q1	5.19	Environmental Science
114	BL3.1: XPS	Prayoonpokarach, S. and Wittayakun, J.	Tawachkultanadilok, P., Osakoo, N., Keawkumay, C., Deekamwong, K., Sosa, N., Rojviriya, C., Nijpanich, S., Chanlek, N., Prayoonpokarach, S. and Wittayakun, J.	Synthesis and Characterization of Zeolite NaY Dispersed on Bamboo Wood	Materials 16 (2023): 4946	Jul 2023	Q2	3.748	Materials Science and Engineering
115	BL3.1: XPS	Puangmali, T	Thonghlueng, J., Ngernpimai, S., Chuaephon, A., Phanchai, W., Wiwasuku, T., Wanna, Y., Wiratchawa, K., Intharah, T., Thanan, R., Sakonsinsiri, C. and Puangmali, T	Dual-Responsive Carbon Quantum Dots for the Simultaneous Detection of Cytosine and 5-Methylcytosine Interpreted by a Machine Learning-Assisted Smartphone	ACS Applied Materials & Interfaces 15 (2023); 40141-40152	Aug 2023	Q1	10.383	Materials Science and Engineering
116	BL3.1: XPS	Faungnawakij, K.	Thongratkaew, S., Kiatphuengporn, S., Junkaew, A., Kuboon, S., <u>Chanlek, N., Seubsai, A., Rungtaweeworant, B.</u> and Faungnawakij, K.	Solvent Effects in Integrated Reaction-Separation Process of Liquid-Phase Hydrogenation of Furfural to Furfuryl Alcohol over CuAl ₂ O ₄ Catalysts	Catalysis Communications 169 (2022): 106468	Jun 2022	Q2	3.51	Chemistry
117	BL3.1: XPS	Rattanachan, S. T.	Thongsri, O., Srisuwan, S., Thaitalay, P., Dangwiriyaikul, R., <u>Chanlek, N., Talabnin, C.</u> and Rattanachan, S. T.	Fluoride Release and Uptake Characteristics of the Sol-Gel Derived Glass Ionomer Cement Modified with Fluoride Containing Strontiumbased Bioactive Glass Nanoparticles	Journal of Sol-Gel Science and Technology 105 (2023): 857-870	Feb 2023	Q2	2.606	Materials Science and Engineering
118	BL3.1: XPS	Takesada, M., Thongbai, P.	Thongyong, N., <u>Chanlek, N.,</u> Takesada, M. and Thongbai, P.	Origins of High-Performance Giant Dielectric properties in TiO ₂ co-doped with Aliovalent Ions via Broadband Dielectric Spectroscopy	Results in Physics 44 (Jan 2023): 106210	Jan 2023	Q2	4.565	Materials Science and Engineering
119	BL3.1: XPS	Phokha, S.	Utara, S., Jantachum, P., Hunpratub, S., <u>Chanlek, N.</u> and Phokha, S.	Enhanced Dielectric Constant and Mechanical Investigation of Epoxidized Natural Rubber with TM-Doped CeO ₂ Nanocomposites	Journal of Alloys and Compounds 939 (Apr 2023): 168601	Dec 2022	Q1	6.371	Materials Science and Engineering
120	BL3.1: XPS	Khemthong, P., Singhatanadgit, W.	Wongthong, U., Khemthong, P., Youngjan, S., Phanthasri, J., Toso, M., Rungnim, C., Boonrungsiman, S., Butburee, T., Sring, M., Chanthad, C., Sreearunothai, P., Ikoma, T., <u>Nakajima, H., Klysubun, W., Supruangnet, R.</u> and Singhatanadgit, W.	Rational Design for MgO-Modified Porous Carbon towards Enhancing Zole:drionic Acid Adsorption	Applied Surface Science 615 (Apr 2023): 156359	Jan 2023	Q1	7.392	Materials Science and Engineering
121	BL3.1: XPS	Wantana, N.	Wantana, N., Kaewnuam, E., <u>Chanlek, N.,</u> Kim, H. J. and Kaewkhao, J.	Influence of Gd ³⁺ on Structural and Luminescence Properties of New Eu ³⁺ -doped Borate Glass for Photonics Material	Radiation Physics and Chemistry 207 (Jun 2023): 110812	Jan 2023	Q2	2.776	Materials Science and Engineering
122	BL3.2U: PES/PEEM	Chanlek, N., Yimnirun, R.	Chatarat, W., <u>Chanlek, N.,</u> Euaruksakul, C., <u>Nakajima, H.,</u> Rusamiputi, J., Ittisanronnachai, S., Konkhunhot, N., <u>Rujirawat, S.,</u> Songsirittitthigul, P. and Yimnirun, R.	Structural Characterization of Ultrathin Diamond-Like Carbon Overcoats for High Areal Density Magnetic Recording	Materialia 27 (Mar 2023): 101650	Dec 2022	Q1	3.44	Surface, Interface and Thin Films
123	BL3.2U: PES/PEEM	Iamprasertkun, P.	Chavalekvirat, P., Nakkiew, P., Kunaneksin, T., Hirunpinoyopas, W., <u>Busayaporn, W.</u> and Iamprasertkun, P.	Tuning Surface Energy to Enhance MoS₂ Nanosheet Production via Liquid-Phase Exfoliation: Understanding the Electrochemical Adsorption of Cesium Chloride	Inorganic Chemistry 62 (2023): 12851-12861	Aug 2023	Q1	5.436	Chemistry
124	BL3.2U: PES/PEEM	Buranasiri, P., Horprathum, M.	Chittinan, D., Buranasiri, P., Lertvanitphol, T., Eiamchai, P., Tantiwanichapan, K., Sathukarn, A., Limwichean, S., Klamchuen, A., Wutikhun, T., Limsuwan, P., <u>Nakajima, H.,</u> Phae-ngam, W., Triamnak, N. and Horprathum, M.	Tailoring the Structural and Optical properties of Fabricated TiO ₂ Thin Films by O ₂ Duty Cycle in Reactive Gas-Timing Magnetron Sputtering	Vacuum 214 (Aug 2023): 112205	May 2023	Q1	4.11	Surface, Interface and Thin Films

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
125	BL3.2U: PES/PEEM	Darminto, D., Rusydi, A.	Darminto, D., Asih, R., Priyanto, B., Baqiya, M. A., Ardiani, I. S., Nadiyah, K., Laila, A. Z., Prayogi, S., <u>Tunmee, S., Nakajima, H.</u> , Fauzi, A. D., Naradipa, M., A. Diao, C. and Rusydi, A.	Unrevealing Tunable Resonant Excitons and Correlated Plasmons and their Coupling in New Amorphous Carbon-Like for Highly Efficient Photovoltaic Devices	Scientific Reports 13 (2023): 7262	May 2023	Q1	4.996	Surface, Interface and Thin Films
126	BL3.2U: PES/PEEM	Siritanon, T.	Jiamprasertboon, A., Waehayee, A., Sertwatsana, S., <u>Nijpanich, S., Busayaporn, W.</u> , Eknapakul, T., Chanlek, N., Bootchanont, A., Sunkhunthod, C., Watwiangkham, A., <u>Nakajima, H.</u> , Li, J., Subramanian, M. A., <u>Suthirakun, S.</u> and Siritanon, T.	Effects of M Cations on Crystal Structure and Optical Properties of MTe3O8 Tellurites	Solid State Sciences 135 (Jan 2023): 107067	Nov 2022	Q2	3.752	Materials Science and Engineering
127	BL3.2U: PES/PEEM	Akasaka, H.	Harada, D., <u>Tunmee, S., Euaruksakul, C.</u> , Rittihong, U., <u>Nakajima, H.</u> , Aono, Y., Hirata, Y., Ohtake, N. and Akasaka, H.	Investigation of the Structure and Tribological Properties of Laser-Irradiated Hydrogenated Amorphous Carbon Films	Diamond & Related Materials 131 (Jan 2023): 109573	Nov 2022	Q1	3.801	Surface, Interface and Thin Films
128	BL3.2U: PES/PEEM	Kanjanachuchai, S.	Himwas, C., Wongpinij, T., Kijamnajsuk, S., <u>Euaruksakul, C.</u> <u>Photongkam, P.</u> , Tchernycheva, M., Pumee, W., Panyakeow, S. and Kanjanachuchai, S.	Degradation Mechanisms of Annealed GaAsPbI Films Grown by Molecular Beam Epitaxy	Surfaces and Interfaces 40 (Aug 2023): 103031	Jun 2022	Q1	6.137	Surface, Interface and Thin Films
129	BL3.2U: PES/PEEM	Chanlek, N.	<u>Kaewsuwan, D.</u> , Wongpinij, T., <u>Euaruksakul, C.</u> , <u>Chanlek, N.</u> , Triamnak, N., Lertvanithphol, T., Horprathum, M., Kaewkhao, J., Manyum, P., Yimnirun, R. and Rujirawat, S.	Photoluminescence of Tin Dioxide (SnO2) Nanostructure Grown on Si(001) by Thermal Evaporation technique	Radiation Physics and Chemistry 206 (May 2023): 110805	Jan 2023	Q2	2.776	Materials Science and Engineering
130	BL3.2U: PES/PEEM	Yimnirun, R.	Nathabumroong, S., <u>Chanlek, N.</u> , Sareein, T., Chongserecharoen, E., <u>Pakawanit, P.</u> , Poochai, C., Eknapakul, T., Sriprachubwong, C., <u>Nakajima, H.</u> , Thangdee, P., Lomas, T., <u>Rujirawat, S.</u> , Songsiriritthigul, P., Manyum, P., Tuantranont, A. and Yimnirun, R.	Comparative Study on the Structural and Electrochemical properties of Nitrogen-Doped and Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Electrode prepared by Hydrothermal Technique	Radiation Physics and Chemistry 208 (Jul 2023): 110887	Mar 2023	Q2	2.776	Materials Science and Engineering
131	BL3.2U: PES/PEEM	Akasaka, H.	Norizuki, S., <u>Tunmee, S.</u> , <u>Euaruksakul, C.</u> , Rittihong, U., Suzuki, K., Tomidokoro, M., <u>Nakajima, H.</u> , Hirata, Y., Ohtake, N. and Akasaka, H.	X-Ray Photoemission Electron microscopy Observation of Wear Tracks on Hydrogenated Amorphous Carbon Films After Ball-on-Disk Tests	Diamond & Related Materials 132 (Feb 2023): 109682	Jan 2023	Q1	3.806	Surface, Interface and Thin Films
132	BL3.2U: PES/PEEM	Limsuwan, P.	Phae-ngam, W., Pratumisit, J., Chananonwathorn, C., <u>Nakajima, H.</u> , Lertvanithphol, T., Pogfay, T., Limsuwan, N., Phokharatkul, D., Vora-ud, A., Triamnak, N., Mungchamnankit, A., Horprathum, M. and Limsuwan, P.	Formation of HfOxNy Nanorod GLAD Films Growth by Rapid Thermal Oxidation	Vacuum 207 (Jan 2023): 11563	Oct 2022	Q1	4.11	Surface, Interface and Thin Films
133	BL3.2U: PES/PEEM	Kamoldilok, S.	Phae-ngam, W., Rattana, T., Kamoldilok, S., Kohmun, K., <u>Nakajima, H.</u> , Triamnak, N., Chananonwathorn, C., Hincheeranan, W. and Horprathum, M.	Fabrication and Characterization of Ag-Ta Thin Films by Co-Magnetron Sputtering as Alternative Layer for High Reflection of NIR Radiation	Coating 15 (2023): 43	Dec 2022	Q2	3.236	Surface, Interface and Thin Films
134	BL3.2U: PES/PEEM	Rupprechter, G., Chareonpanich, M.	Phongamwong, T., Barrabes, N., Donphai, W., Witoon, T., Rupprechter, G. and Chareonpanich, M.	Chlorophyll-Modified Au25(SR)18-Functionalized TiO2 for Photocatalytic Degradation of Rhodamine B	Applied Catalysis B: Environmental 325 (May 2023): 22336	Jan 2023	Q1	24.319	Chemistry
135	BL3.2U: PES/PEEM	Luanwuthi, S.	Phukhrongthung, A., Iamprasertkun, P., Bunpheng, A., Saisopa, T., Umpuch, C., Puchongkawarin, C., Sawangphruk, M. and Luanwuthi, S.	Oil Palm Leaf-Derived Hierarchical Porous Carbon for "Water-in-Salt" Based Supercapacitors: the Effect of Anions (Cl ⁻ and TFSI ⁻) in	RSC Advances 13 (2023): 24432	Aug 2023	Q1	4.036	Materials Science and Engineering
136	BL3.2U: PES/PEEM	Tunmee, S.	<u>Rittihong, U.</u> , <u>Supruangnet, R.</u> , Akasaka, H., Chingsungnoen, A., Poolcharuansin, P., <u>Nakajima, H.</u> , Singhapetcharat, T., Kiattikomol, P. and <u>Tunmee, S.</u>	Anti-Corrosion and Erosion properties of Multilayers with Diamond-Like Carbon and Silicon Films Deposited on Low-Carbon Steel	Radiation Physics and Chemistry 207 (Jun 2023): 110868	Mar 2023	Q2	2.776	Surface, Interface and Thin Films
137	BL3.2U: PES/PEEM	Promjantuk, C., Lertvanithphol, T., Horprathum, M.	Promjantuk, C., Lertvanithphol, T., Limsuwan, N., Limwichean, S., Wongdamnern, N., Sareein, T., Phae-ngam, W., <u>Nakajima, H.</u> , Poolcharuansin, P., Horprathum, M. and Klamchuen, A.	Spectroscopic Study on Alternative Plasmonic TiN-NRs Film prepared by R-HiPIMS with GLAD Technique	Radiation Physics and Chemistry 202 (Jan 2023): 110589	Oct 2022	Q2	2.776	Surface, Interface and Thin Films
138	BL3.2U: PES/PEEM	Iamprasertkun, P.	Saisopa, T., Jitapunkul, K., Bunpheng, A., Nakajima, H., Supruangnet, R., Busayaporn, W., Sukprom, T., Hirunpinoyopas, W., Seubsai, A., Songsiriritthigul, P. and Iamprasertkun, P.	The Structure Analysis and Chemical Properties Probing During Recycling Processes of Transition Metal Dichalcogenides Exfoliation	Electrochimica Acta 449 (May 2023); 142171	Mar 2023	Q1	7.336	Chemistry
139	BL3.2U: PES/PEEM	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , Wannapaiboon, S., Kidkhunthod, P. and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe3O4 and α -FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
140	BL3.2U: PES/PEEM	Thongprong, N., Rujisamphan, N.	Smerchit, T., Thongprong, N., Ruengsrising, W., Adam, I. M., Soe, K. T., Thansamai, S., <u>Chanlek, N.</u> , <u>Nakajima, H.</u> , <u>Supruangnet, R.</u> , Saetang, V., Kaewprajak, A., Supasai, T. and Rujisamphan, N.	Combined Experimental and Simulation Studies of Lithium and Cobalt-Modified TiO2 and Their Impacts on the Performance and Stability of Perovskite Solar Cells	Advanced Materials Interfaces 9 (Nov 2022): 2201632	Oct 2022	Q1	6.389	Surface, Interface and Thin Films
141	BL3.2U: PES/PEEM	Thongprong, N., Supasai, T., Rujisamphan, N.	Soe, K. T., Thansamai, S., Thongprong, N., Ruengsrising, W., Muhammad, I. A., Ketsombun, E., <u>Supruangnet, R.</u> , Kaewprajak, A., Kumnorkaew, P., Saetang, V., Supasai, T. and Rujisamphan, N.	Simultaneous Surface Modification and Defect Passivation on Tin Oxide-Perovskite Interfaces using Pseudohalide Salt of Sodium Tetrafluoroborate	Solar RRL 7 (Jan 2023); 2200964	Nov 2022	Q1	9.173	Surface, Interface and Thin Films
142	BL3.2U: PES/PEEM	Maensiri, S.	Sonsupap, S., Waehayee, A., Siritanon, T., Saenrang, W., <u>Chanlek, N.</u> , <u>Nakajima, H.</u> , <u>Rattanachata, A.</u> and Maensiri, S.	Structure, Optical, and Photocatalytic Properties of La3+ doped CeO2 Nanospheres for Enhanced Photodegradation of Tetracycline	Colloids and Surfaces A: Physicochemical and Engineering Aspects 659 (Feb 2023): 130650	Nov 2022	Q2	5.518	Chemistry
143	BL3.2U: PES/PEEM	Taaca, K. L. M.	Taaca, K. L. M., <u>Nakajima, H.</u> , <u>Thumanu, K.</u> , Prieto, E. I. and Vasquez, M. R.	Network Formation and Differentiation of Chitosan-Acrylic Acid Hydrogels using X-Ray Absorption Spectroscopy and Multivariate Analysis of Fourier Transform Infrared Spectra	Journal of Electron Spectroscopy and Related Phenomena 267 (Aug 2023): 147372	Jul 2023	Q2	1.993	Chemistry
144	BL3.2U: PES/PEEM	Kanjanaboos, P.	Tun, M. Z., Pansa-Ngat, P., Ruankham, P., Shin Thant, K. K., Kamnoedmanee, S., Seriwattanachai, C., Rueangsawang, W., <u>Supruangnet, R.</u> , <u>Nakajima, H.</u> and Kanjanaboos, P.	Improving Morphology and Optoelectronic Properties of Ultra-Wide Bandgap Perovskite via Cs Tuning for Clear Solar Cell and UV Detection Applications	Scientific Reports 13 (2023): 2965	Feb 2023	Q1	4.996	Surface, Interface and Thin Films

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
145	BL3.2U: PES/PEEM	Waehayee, A., Siritanon, T.	Waehayee, A., Duangkamol, C., Chotsawat, M., Lerdwiriyanupap, T., Pewklang, T., <u>Nakajima, H.</u> , Butburee, T., Kamkaew, A., Suthirakun, S. and Siritanon, T.	Controlling the Photocatalytic Activity and Benzylamine Photooxidation Selectivity of Bi ₂ WO ₆ via Ion Substitution: Effects of Electronegativity	Inorganic Chemistry 62 (2023): 3506-17	Feb 2023	Q1	5.436	Chemistry
146	BL3.2U: PES/PEEM	Pattanasattayavong, P.	Worakajit, P., <u>Kidkhunthod, P.</u> , Thanasarnsurapong, T., Waiprasoet, S., <u>Nakajima, H.</u> , Sudyoadsuk, T., Promarak, V., Boonchun, A. and Pattanasattayavong, P.	Origin of Hole-Trapping States in Solution-Processed Copper(I) Thiocyanate and Defect-Healing by I ₂ Doping	Advanced Functional Materials 2023, 2209504	Mar 2023	Q1	19.924	Materials Science and Engineering
147	BL3.2U: PES/PEEM	Wongpanya, P.	Wongpanya, P., <u>Wongpinij, T.</u> , <u>Photongkam, P.</u> and Siritapetawee, J.	Improvement in Corrosion Resistance of 316L Stainless Steel in Simulated Body Fluid Mixed with Antiplatelet Drugs by Coating with Ti-doped DLC Films for Application in Biomaterials	Corrosion Science 208 (Nov 2022): 110611	Aug 2022	Q1	7.72	Surface, Interface and Thin Films
148	BL3.2U: PES/PEEM	Khemthong, P., Singhatanadgit, W.	Wongthong, U., Khemthong, P., Youngjan, S., Phanthasri, J., Toso, M., Rungnim, C., Boonrungsiman, S., Butburee, T., Sriring, M., Chanthad, C., Sreearunothai, P., Ikoma, T., <u>Nakajima, H.</u> , Klysubun, W., Supruangnet, R. and Singhatanadgit, W.	Rational Design for MgO-Modified Porous Carbon towards Enhancing Zole:drionic Acid Adsorption	Applied Surface Science 615 (Apr 2023): 156359	Jan 2023	Q1	7.392	Materials Science and Engineering
149	BL4.1: IR	Phosri, S.	Charoeythornkhajhornchai, P., Kunjiek, T., <u>Chaipayang, S.</u> and Phosri, S.	Toxicity Assessment of Bioplastics on Brine Shrimp (Artemia franciscana) and Cell Lines	Emerging Contaminants 9 (2023): 10025	Aug 2023	Q1	5.93	Environmental Science
150	BL4.1: IR	Yongsawatdigul, J.	Jantaranikorn, M., <u>Thumanu, K.</u> and Yongsawatdigul, J.	Reduction of Red Blood Spots in Cooked Marinated Chicken Breast Meat by Combined Microwave Heating and Steaming	Poultry Science 102 (Jan 2023): 102317	Nov 2022	Q1	4.014	Food and Agricultural Science
151	BL4.1: IR	Weerapreeyakul, N.	Kaimuangpak, K., Tamprasit, K., <u>Thumanu, K.</u> and Weerapreeyakul, N.	Extracellular Vesicles Derived from Microgreens of Raphanus Sativus L. var. Caudatus Alef Contain Bioactive Macromolecules and Inhibit HCT116 Cells Proliferation	Scientific Reports 12 (2022): 15686	Sep 2022	Q1	4.996	Biological and Life Science
152	BL4.1: IR	Yongsawatdigul, J.	Katemala, S., Molee, A., <u>Thumanu, K.</u> and Yongsawatdigul, J.	Heating Temperatures Affect Meat Quality and Vibrational Spectroscopic Properties of Slow- and Fast-Growing Chickens	Poultry Science 102 (Aug 2023): 102754	Apr 2023	Q1	4.014	Food and Agricultural Science
153	BL4.1: IR	Lorthongpanich, C.	Klincumhom, N., Lorthongpanich, C., <u>Thumanu, K.</u> , Septham, P., Phomyu, W., Issaragrisil, S. and Pavasant, P.	Intermittent Compressive force Regulates Human Periodontal Ligament Cell Behavior via Yes-Associated Protein	Heliyon 8 (Oct 2022): e10845	Oct 2022	Q1	3.776	Biological and Life Science
154	BL4.1: IR	Kuaprasert, B.	<u>Kuaprasert, B.</u> , Chitnumsub, P., Leartsakulpanich, U., Riengrunroj, P., Suginta, W., Leelayoova, S., Mungthin, M., Sitthichot, N., Rattanabunyong, S., Kiriwan, D. and Choowongkomon, K.	Dual Role of Azo Compounds in Inhibiting Plasmodium Falciparum Adenosine Deaminase and Hemozoin Biocrystallization	Experimental Parasitology 243 (Dec 2022): 108384	Sep 2022	Q3	2.132	Biological and Life Science
155	BL4.1: IR	Kupittayanant, S.	Ongsricharoenbhorn, S., Kupittayanant, P., <u>Thumanu, K.</u> , Eumkeb, G., Chanlun, S., Papirom, P., Wray, S. and Kupittayanant, S.	Effects of Heliotropium indicum L. on Uterine Involution and Its Underlying Mechanisms: an in vivo and in vitro Study	Chinese Journal of Integrative Medicine	Aug 2023	Q1	2.626	Medical Applications
156	BL4.1: IR	Paemane, A., Choowongkomon, K.	Paemane, A., Rattanabunyong, S., Ketngamkum, Y., Siriwaseree, J., Pongpamorn, P., Romyanon, K., Tangphatsornruang, S., <u>Kuaprasert, B.</u> and Choowongkomon, K.	Mass Spectrometry and Synchrotron-FTIR Microspectroscopy Reveal the Anti-Inflammatory Activity of Bua Bok Extracts	Phytochemical Analysis 33 (Oct 2022): 1086–1098	Jul 2022	Q1	3.024	Medical Applications
157	BL4.1: IR	Yongsawatdigul, J.	Pimchan, T., Tian, F., <u>Thumanu, K.</u> , Rodtong, S. and Yongsawatdigul, J.	Isolation, Identification, and Mode of Action of Antibacterial Peptides Derived from Egg Yolk Hydrolysate	Poultry Science 102 (Jul 2023): 102695	Apr 2023	Q1	4.014	Food and Agricultural Science
158	BL4.1: IR	Thumanu, K., Apiratikul, R.	Pongpiachan, S., <u>Thumanu, K.</u> , Chantharakhon, C., Phoomalee, C., Tharasawatpipat, C., Apiratikul, R., Poshyachinda, S. and Poshyachinda, S.	Applying Synchrotron Radiation-Based Attenuated Total Reflection-Fourier Transform Infrared to Evaluate the Effects of Shipping Emissions on Fluctuations of PM10-Bound Organic Functional Groups and Ionic Species	Atmospheric Pollution Research 13 (2022): 101517	Aug 2022	Q1	4.831	Environmental Science
159	BL4.1: IR	Thumanu, K.	Pongpiachan, S., <u>Thumanu, K.</u> , Chantharakhon, C., Phoomalee, C., Charoekalunyata, T., Promdee, K., Poshyachinda, S. and hashmi, M. Z.	Applying Synchrotron Radiation-Based Attenuated Total Reflection-Fourier Transform Infrared to Chemically Characterise Organic Functional Groups in Terrestrial Soils of King George Island, Antarctica	Heliyon 9 (2023): e19711	Aug 2023	Q1	3.776	Environmental Science
160	BL4.1: IR	Pongsetkul, J.	Pongsetkul, J., <u>Siriwong, S.</u> , <u>Thumanu, K.</u> , Boonanuntanasarn, S. and Yongsawatdigul, J.	Investigating the Effect of Various Sous-Vide Cooking Conditions on Protein Structure and Texture Characteristics of Tilapia Fillet Using Synchrotron Radiation-Based FTIR	Foods 12 (2023): 568	Jan 2023	Q1	5.561	Food and Agricultural Science
161	BL4.1: IR	Suwannaporn, P.	Ranathunga, A., <u>Thumanu, K.</u> , Kiatpongjar, W., <u>Siriwong, S.</u> , Wansuksri, R. and Suwannaporn, P.	Image Mapping of Biological Changes and Structure-Function Relationship During Rice Grain Development via Synchrotron FTIR Spectroscopy	Food Chemistry Advances 2 (Oct 2023): 100290	Apr 2023	n/a	n/a	Food and Agricultural Science
162	BL4.1: IR	Rattanachitthawat, N.	Rattanachitthawat, N., Kanokrun, A., Rattanachitthawat, S., <u>Thumanu, K.</u> , <u>Tanhanuch, W.</u> and Machana, K.	Contribution of the Solvent Extraction Method for Phenolic Compounds, Flavonoids, and Fucoxanthin to the Antioxidative Properties in Extracts of Chaetoceros tenuissimus Meunier	Trends in Sciences 19 (2022): 4687	Nov 2022	Q3	0.166	Medical Applications
163	BL4.1: IR	Buensanteai, K.	Sangpueak, R., Saengchan, C., Laemchiab, K., Kiddeejing, D., <u>Siriwong, S.</u> , <u>Thumanu, K.</u> , Hoang, N.H., Phansak, P. and Buensanteai, K.	Flour on Gluten-Free Muffins from Different Edible Cassava Varieties in Thailand	Foods 11 (2022): 4053	Dec 2022	Q1	5.561	Food and Agricultural Science
164	BL4.1: IR	Siriwong, S.	<u>Siriwong, S.</u> , <u>Tanhanuch, W.</u> , Srisamut, D., <u>Chantarakhon, C.</u> , Kamkajon, K. and <u>Thumanu, K.</u>	Performance Evaluation of Focal Plane Array (FPA)-FTIR and Synchrotron Radiation (SR)-FTIR Microspectroscopy to Classify Rice Components	Microscopy and Microanalysis 28 (Dec 2022): 2059-68	Sep 2022	Q3	4.099	Food and Agricultural Science

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
165	BL4.1: IR	Taaca, K. L. M.	Taaca, K. L. M., <u>Nakajima, H.</u> , <u>Thumanu, K.</u> , Prieto, E. I. and Vasquez, M. R.	Network Formation and Differentiation of Chitosan–Acrylic Acid Hydrogels using X-Ray Absorption Spectroscopy and Multivariate Analysis of Fourier Transform Infrared Spectra	Journal of Electron Spectroscopy and Related Phenomena 267 (Aug 2023): 147372	Jul 2023	Q2	1.993	Chemistry
166	BL4.1: IR	Athinuwat, D.	Thepbandit, W., Srisuwan, A., <u>Siriwong, S.</u> , <u>Nawong, S.</u> and Athinuwat, D.	Bacillus Vallismortis TU-Orga21 Blocks rice Blast through Both Direct Effect and Stimulation of Plant Defense	Frontiers in Plant Science 14 (2023): 1103487	Feb 2023	Q1	6.627	Food and Agricultural Science
167	BL4.1: IR	Yongsawatdigul, J.	Tian, F., Rodtong, S., <u>Thumanu, K.</u> , Hua, Y., Roytrakul, S. and Yongsawatdigul, J	Molecular Insights into the Mode of Action of Antibacterial Peptides Derived from Chicken Plasma Hydrolysates	Foods 11 (2022): 3564	Nov 2022	Q1	5.561	Food and Agricultural Science
168	BL4.1: IR	Rattanaojpong, T., Tuitemwong, P.	Wenbap, P., Rattanaojpong, T., Khunrae, P., Luangtongkum, T., Erickson, L. E., Hansen, R. R. and Tuitemwong, P.	Biofunctionalized Magnetic Nanoparticles with Multiplex Touchdown PCR for Simultaneous and Rapid Detection/ Identification of Campylobacter Jejuni and Campylobacter Coli	Journal of Nanomaterials	Oct 2022	Q2	3.791	Biological and Life Science
169	BL4.1: IR	Swainson, N. M.	Wongkhieo, S., Tangmesupphaisan, W., Siriwaseree, J., Aramsirirujitwet, Y., Wiriyajitsomboon, P., Kaewgrajang, T., Pumloifa, S., Paemane, A., <u>Kuaprasert, B.</u> , Choowongkamon, K., Chester, A. H., and Swainson, N. M.	In Vitro Cholesterol Lowering Activity of Ganoderma Australe Mycelia Based on Mass Spectrometry, Synchrotron Fourier-Transform Infrared Analysis and Liver-Spheroid Bioactivity	Scientific Reports 13 (2023); 13619	Aug 2023	Q1	4.996	Food and Agricultural Science
170	BL5.2: XAS	Intasanta, V.	Arin, J., Panith, P., Subjalearddee, N., Thongkam, P. and Intasanta, V.	Conductive and Anti-Bacterial Self-Bundled Nanofibrous Yarns from Electrostatic Induction of Keggin Polyoxometalates	Materials Science and Technology 39 (2023): 2050-2061	Mar 2023	Q2	2.06	Chemistry
171	BL5.2: XAS	Kaewkhao, J., Kobdaj, C.	Boontueng, P., Ritjoho, N., Wantana, N., Limkitjaroenporn, P., Kim, H. J., Sanghangthum, T., <u>Chanlek, N.</u> , Liphirat, A., Yan, Y., Kaewkhao, J. and Kobdaj, C.	Fast Scintillating Ce3+ Doped Gadolinium Aluminum Fluoroborate Glass for Calorimetry in Proton CT Prototype: A Preliminary Work	Radiation Measurements 163 (Apr 2023): 106937	Apr 2023	Q2	1.743	Materials Science and Engineering
172	BL5.2: XAS	Kaewkhao, J., Kobdaj, C.	Boontueng, P., Ritjoho, N., Laojamnongwong, N., Phumara, P., Songmoolnak, A., Saenpoowa, J., Wantana, N., Pinitkha, N., Kim, H. J., Sanghangthum, T., <u>Chanlek, N.</u> , Liphirat, A., Yan, Y., Kothan, S.,	Synthesis and Characterization of Ce 3+-doped Barium-Gadolinium-Fluoroborate Glasses for Proton Beam Diagnostic	Optik 287 (Sep 2023): 171134	Jul 2023	Q2	2.84	Materials Science and Engineering
173	BL5.2: XAS	Saisopa, T.	Bootchanont, A., Wechprasit, T., Isran, N., Theangsunthorn, J., Chaosuan, N., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , Yimnirun, R., Jiamprasertboon, A., Eknapakul, T., Siritanon, T., Sailuam, W. and Saisopa, T.	Correlation of the Antibacterial Activity and Local Structure in Zn- and Mn-doped Hydroxyapatites by Rietveld Refinement and the First-Principles Method	Materialia 26 (Dec 2022): 101586	Oct 2022	Q1	0.915	Materials Science and Engineering
174	BL5.2: XAS	Eknapakul, T., Songsiriritthigul, P.	Borsup, J., Ngamsomrit, S., Eknapakul, T., Saisopa, T., Fongkaew, I., <u>Kidkhunthod, P.</u> , Pinitsoontorn, S., Fuming Chen, F. and Songsiriritthigul, P.	Characterization of Long-Term Magnetic Stability in Sintered MnBi: Influence of Exposing Time and Storage Conditions	Journal of Alloys and Compounds 968 (2023): 171884	Aug 2023	Q1	6.371	Materials Science and Engineering
175	BL5.2: XAS	Meethong, N., Liphirat, W.	Buakeaw, S., Kaewmala, S., Kamma, N., Nash, J., Srilomsak, S., Meethong, N., <u>Liphirat, W.</u> ,	Combining XAS with XRD for Elucidating the Complex Structural behavior of Pre-Lithiated SnO Anode Materials for Lithium-Ion Batteries	Radiation Physics and Chemistry 207 (Jun 2023): 110806	Jan 2023	Q2	2.776	Materials Science and Engineering
176	BL5.2: XAS	Sawangphruk, M.	Bunyaidhii, P., Phattharasapakun, N., Tomon, C., Duangdangchote, S., <u>Kidkhunthod, P.</u> and Sawangphruk, M.	Mechanofusing Garnet Solid Electrolyte on the Surface of Ni-Rich Layered Oxide Cathode towards High-Rate Capability of Cylindrical Li-Ion Battery Cells	Journal of Power Sources 549 (Nov 2022): 232043	Sep 2022	Q1	9.794	Materials Science and Engineering
177	BL5.2: XAS	Butburee, T., Faungnawakij, K.	Butburee, T., Ponchai, J., Meeporn, K., Phawa, C., Chakthranont, P., Khemthong, P., Mano, P., Namuangruk, S., Chinsirikul, W., Faungnawakij, K., Zhao, X. and Pennycook, S.	New Folding 2D-Layered Nitro-Oxygenated Carbon Containing Ultra High-Loading Copper Single Atoms	Small (2022): 2204767	Nov 2022	Q1	15.153	Materials Science and Engineering
178	BL5.2: XAS	Ajcharanukul, O.	Chaiwat, A., Chunchacheevachaloke, E., <u>Kidkhunthod, P.</u> , <u>Pakawanit, P.</u> and Ajcharanukul, O.	Enamel Remineralization and Crystallization after Fluoride Iontophoresis	Journal of Dental Research 102 (2023): 402-411	Dec 2022	Q1	8.924	Medical Applications
179	BL5.2: XAS	Wittayakun, J., Kunaseth, M., Kuboon, S.	Chitpakdee, C., Boonyoung, P., Pansakdanon, C., Suttisintong, K., Faungnawakij, K., Khemthong, P., Youngjan, S., Kraithong, W., Sattayaporn, S., Tanthanuch, W., Kidkhunthod, P., Tanwongwan, W., Wittayakun, J., Kunaseth, M. and Kuboon, S.	Mechanistic Investigation of Ni and NiCu for Catalytic Transfer Hydrogenation of Methyl Levulinate to γ -Valerolactone: A Combined Experimental and DFT Study	Applied Catalysis A, General 660 (Jun 2023): 119230	Apr 2023	Q1	5.723	Chemistry
180	BL5.2: XAS	Wang, G. Wang, X. and Lee, J. M.	Do, V. H., Prabhu, P., Li, Y., Xie, W., Kidkhunthod, P., Wang, G., Wang, X. and Lee, J. M.	Surface Activation of Atomically Thin Metal Nitride by Confined Nanoclusters to Trigger pH-Universal Hydrogen Evolution	Joule 7 (Sep 2023): 2118-2134	Jul 2023	Q1	39.8	Surface, Interface and Thin Films
181	BL5.2: XAS	Wang, G. and Lee, J. M.	Do, V. H., Li, Y., Prabhu, P., Xie, W., Kidkhunthod, P., Wang, H., Wang, G. and Lee, J. M.	Surface Confinement of Atomically Thin Pt Nanoclusters on 2D - Mon for Durable pH-Universal Hydrogen Evolution δ	Advanced Functional Materials (2023): 2302297	Aug 2023	Q1	19.924	Surface, Interface and Thin Films
182	BL5.2: XAS	Paul, A.	Gabold, H., Ekwongsa, C., <u>Kidkhunthod, P.</u> , Yimnirun, R., Opel, M. and Paul, A.	Superspin Ensembles of Oxidized-CoxFe1-xS2 with Embedded Magnetic Nanoparticles	Journal of Materials Research	Jan 2023	Q1	2.909	Materials Science and Engineering
183	BL5.2: XAS	Kothan, S., Kaewkhao, J.	Intachai, N., Wantana, N., Kaewjaeng, S., Kothan, S., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Kim, H. J., Kantuptim, P., Yanagida, T., Rajaramakrishna, R. and Kaewkhao, J.	Role of the Gd2O3 Increment on the Cerium Oxidation State and Luminescence Behavior in the CeF3 Doped Silicoborate Glass	Radiation Physics and Chemistry 207 (Jun 2023): 110862	Feb 2023	Q2	2.776	Materials Science and Engineering

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
184	BL5.2: XAS	Phokha, S.	Jantachum, P., Utara, S., Hunpratub, S., <u>Chanlek, N., Kidkhunthod, P.</u> and Phokha, S.	Improved Magnetic properties of CeO ₂ Nanoparticles on Ce ³⁺ +Valence States by Fe ³⁺ /Co ²⁺ /Mn ²⁺ -Doped CeO ₂ Nanoparticles	Radiation Physics and Chemistry 208 (Jul 2023); 110920	Mar 2023	Q2	2.776	Physics
185	BL5.2: XAS	Zheng, Y., Tang, Y.	Ji, B., Gou, J., Zheng, Y., Pu, X., Wang, Y., <u>Kidkhunthod, P.</u> and Tang, Y.	Coordination Chemistry of Large-Sized Yttrium Single-Atom Catalysts for Oxygen Reduction Reaction	Advanced Materials 35 (Jun 2023): 2300381	Mar 2023	Q1	32.086	Chemistry
186	BL5.2: XAS	Limthongkul, P., Limphirat, W. and Meethong, N.	Kamma, N., Chantrasuwan, P., Buakeaw, S., Kaewmala, S., Nash, J., Limthongkul, P., <u>Limphirat, W.</u> and Meethong, N.	Site Occupancy Studies of Cobalt Doping in a Lithium Iron Phosphate Material using Combined Electrochemical and X-ray based Techniques	Radiation Physics and Chemistry 207 (Jun 2023): 110816	Feb 2023	Q2	2.776	Materials Science and Engineering
187	BL5.2: XAS	Luksirikul, P.	Kankla, P., Butburee, T., <u>Chanlek, N.</u> , Sattayaporn, S. and Luksirikul, P.	Enhanced Performance of Bimetallic Pd-based Electrocatalysts for Formic Acid Oxidation	Topics in Catalysis	May 2023	Q2	2.781	Materials Science and Engineering
188	BL5.2: XAS	Kamonpha, P., Kaewkhao, J.	Kamonpha, P., Manyum, P., Chanthima, N., Tariwong, Y., Triamnak, N., Yimnirun, R., <u>Rujirawat, S., Kidkhunthod, P., Tanthanuch, W.</u> , Kothan, S., Kim, H.J., Kaewkhao, J.	Influence of Eu ³⁺ Dopant on Lithium Barium Gadolinium Phosphate Glass properties for Orange-Reddish Photonic Devices	Radiation Physics and Chemistry 207 (Jun 2023): 110842	Feb 2023	Q2	2.776	Materials Science and Engineering
189	BL5.2: XAS	Kheawhoma, S.	Kao-ian, W., Sangsawang, J., <u>Kidkhunthod, P., Wannapaiboon, S., Suttipong, M., Khampunbut, A., Pattananuwat, P., Nguyen, M. T., Yonezawa, T.</u> and Kheawhom, S.	Unveiling the Role of Water in Enhancing the Performance of Zinc-Ion Batteries using Dimethyl Sulfoxide Electrolyte and Manganese Dioxide Cathode	Journal of Materials Chemistry A 11 (2023): 10584-95	Apr 2023	Q1	14.511	Materials Science and Engineering
190	BL5.2: XAS	Maensiri, S.	Khajonrit, J., Sichumsaeng, T., Kalawa, O., Chaisit, S., Chinnakorn, A., <u>Kidkhunthod, P.</u> and Maensiri, S.	Hierarchical Assembled Ag ₂ CuMnO ₄ Nanoflakes as a Novel Electrode Material for Energy Storage Applications	Journal of Alloys and Compounds 934 (Feb 2023): 167783	Oct 2022	Q1	6.371	Materials Science and Engineering
191	BL5.2: XAS	Poo-arporn, R. P	Khownarumit, P., Choosang, K., Poo-arporn, R. P., <u>Poo-arporn, Y., Chanlek, N.</u> and Surareungchai, W.	Bio-Electroanalysis Performance of Heme Redox-Center for n-n Interaction Bonding of a Methylene Blue-Graphene Modified Electrode	Nanomaterials 13 (2023): 745	Feb 2023	Q1	5.719	Materials Science and Engineering
192	BL5.2: XAS	Kaewkhao, J.	Kiwsakunkran, N., Chanthima, N., Kim, H.J., <u>Kidkhunthod, P.</u> and Kaewkhao, J	Investigation on Luminescence properties and XANES of Dysprosium Ion Doped Borophosphate Glasses	Radiation Physics and Chemistry 208 (Jul 2023): 110890	Mar 2023	Q2	2.776	Materials Science and Engineering
193	BL5.2: XAS	Laohasurayotin, K.	Kullyakool, S., Hatakeyama, K., Khemthong, P., Babel, S. and Laohasurayotin, K.	Alternatingly Stacked 2D/2D Hybrid via Preferential Intercalation of Nitrate Ions between Layered Double Hydroxide and Graphene Oxide	Materials Chemistry and Physics 296 (Feb 2023): 127203	Dec 2022	Q2	4.778	Materials Science and Engineering
194	BL5.2: XAS	Puntharod, R.	Kumchompoo, J., Kunthadee, P., Laorodphan, N., <u>Kidkhunthod, P.</u> and Puntharod, R.	Consequence of Microwave Synthesis of Li ₃ .6Si ₀ .6V ₀ .4O ₄ for Electrode Application using LiNO ₃ , V ₂ O ₃ , and Silica Obtained from Rice Husk Ash	Ferroelectrics 603 (2023): 222-234	Feb 2023	Q4	0.695	Materials Science and Engineering
195	BL5.2: XAS	Puntharod, R.	Kumchompoo, J., Kunthadee, P., Laorodphan, N., <u>Kidkhunthod, P., Kuimalee, S., Tangkuaram, T.</u> and Puntharod, R.	The Solid-State Reaction Facilitated by a Microwave-Assisted method for Lithium Vanadium Silicon Oxide Synthesis by Incorporating Pure Silica and Rice Husk ash for the Application as Anode Material in Lithium-Ion Battery	Radiation Physics and Chemistry 207 (Jun 2023): 110863	Feb 2023	Q2	2.776	Materials Science and Engineering
196	BL5.2: XAS	Pratumyot, K.	Kumpook, S., Kiatpongarp, W., <u>Tanhanuch, W.</u> and Pratumyot, K.	Relationship between Colors and Iron's Content and Oxidation State in Edible Bird's Nest	Radiation Physics and Chemistry 208 (Jul 2023): 110921	Mar 2023	Q2	2.776	Food and Agricultural Science
197	BL5.2: XAS	Zhou, Y., Wang, X. and Lee, J. M.	Li, Y., <u>Kidkhunthod, P.</u> , Zhou, Y., Wang, X. and Lee, J. M.	Dense Heterointerfaces and Unsaturated Coordination Synergistically Accelerate Electrocatalysis in Pt/Pt ₅ P ₂ Porous Nanocages	Advanced Functional Materials 32 (2022): 2205985	Aug 2022	Q1	19.924	Materials Science and Engineering
198	BL5.2: XAS	Tanhanuch, W., Watcharamaisakul, S.	Luangtharak, H., <u>Supruangnet, R., Tanhanuch, W.</u> and Watcharamaisakul, S.	Investigate the Function and Structure of (Fe,Cr) La ₂ Ti ₂ O ₇ Photocatalyst Calcined under the Nitrogen Atmosphere	Bulletin of Chemical Reaction Engineering & Catalysis 18 (2023): 151-161	Apr 2023	Q3	1.97	Materials Science and Engineering
199	BL5.2: XAS	Manyum, P., Kothan, S., Kaewkhao, J.	Manyum, P., Rittisit, W., Mool-am-kha, P., Wantana, N., Ruangtawee, Y., <u>Rujirawat, S., Yimnirun, R., Kidkhunthod, P., Prasatkhetragarn, A., Kothan, S., Kim, H. J., Minh, P. H.</u> and Kaewkhao, J.	Effect of Gd ³⁺ /Nd ³⁺ - Dual Doped Borate Glasses on the Physical and Spectroscopic Properties for the NIR Emission at 1.069 μm	Optik 290 (Oct 2023): 171246	Aug 2023	Q2	2.84	Materials Science and Engineering
200	BL5.2: XAS	Kidkhunthod, P.	<u>Montreeuppathum, A., Siriroj, S., Padchasi, J., Lomon, J., Chanlek, N.</u> and <u>Kidkhunthod, P.</u>	Possibility of Lithium Sulfate Borate-Based Glass Doping with Ni and Mn Ions in Energy Storage Application	Radiation Physics and Chemistry 206 (May 2023): 110803	Jan 2023	Q2	2.776	Materials Science and Engineering
201	BL5.2: XAS	Kheawhom, S.	Motlagh, S. R., Khezri, R., Mohamad, A. A., Pornprasertsuk, R., <u>Kidkhunthod, P.</u> , Nguyen, M. T., Yonezawa, T. and Kheawhom, S.	Enhancing Electrochemical Performance and Stabilizing Zinc Anode in Mild Acidic Electrolyte using Combined Additive	Materials Science for Energy Technologies 6 (2023): 178-191	Jan 2023	Q1	2.06	Materials Science and Engineering
202	BL5.2: XAS	Intasanta, V.	Narkbuakaew, T. and Intasanta, V.	Modified g-C ₃ N ₄ with Boron Doping for Efficient Simultaneous Catalytic Reduction of Ag ⁺ and Organic Pollutants	Materials Today Sustainability 20 (Dec 2022): 100258	Nov 2022	Q1	7.244	Chemistry
203	BL5.2: XAS	Kidkhunthod, P.	Padchasi, J., Montreeuppathum, A., Siriroj, S., Lomon, J., Senanon, W., Thumanu, K., Poo-arporn, Y., Pinitsoontorn, S., <u>Chanlek, N.</u> and <u>Kidkhunthod, P.</u>	Comparison of Lithium Sulphate Borate Glass Cathode Materials with Single Mn and Co Doping and Dual Mn-Co Doping	Radiation Physics and Chemistry 207 (Jun 2023): 110822	Feb 2023	Q2	2.776	Materials Science and Engineering
204	BL5.2: XAS	Khunphono, R.	Perporn, D., Wantala, K., Khemthong, P., Phanthasri, J., Neramittagapong, S., Wongaree, M. and Khunphono, R.	Insight into the Photocatalytic Reduction of Hexavalent Chromium using Photodeposited Metal Nanoparticle-TiO ₂ Photocatalysis	Environmental Science and Pollution Research 30 (2023): 90328-90340	Dec 2022	Q1	5.19	Environmental Science
205	BL5.2: XAS	Hunpratub, S.	Phokha, S., Boonserm, K., Chirawatkul, P., <u>Chanlek, N., Kidkhunthod, P., Sata, V., Chindaprasit, P., Hunpratub, S.,</u>	Investigation of the Magnetic and Mechanical Performance of Fly Ash Geopolymer/BaFe ₂ O ₇ Nanocomposites	Radiation Physics and Chemistry 209 (Aug 2023): 110995	Apr 2023	Q2	2.776	Materials Science and Engineering
206	BL5.2: XAS	Utke, R.	Plerdsranoy, P., Tharat, B., Thiangviriyaya, S., <u>Kidkhunthod, P.</u> , Siritanon, T., Suthirakun, S. and Utke, R.	Hydrogen sorption kinetics and mechanism of Mg ₂ Fe(1-x)Ni _x H ₆	Journal of Alloys and Compounds 937 (Mar 2023): 168212	Nov 2022	Q1	6.371	Materials Science and Engineering

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
207	BL5.2: XAS	Rajagukguk, J.	Rajagukguk, J., Panggabean, J. H., Sarumaha, C. S., <u>Kidkhunthod, P.,</u> Kaewkhao, J. and Djamal, M.	Near-IR Luminescence at 1.06 μm of Nd ³⁺ -Pr ³⁺ co-doped Lithium Fluorophosphate (LFP) Glasses	Results in Materials 16 (Dec 2022): 100332	Oct 2022	n/a	n/a	Materials Science and Engineering
208	BL5.2: XAS	Rajaramakrishna, R., Kaewkhao, J.	Rajaramakrishna, R., Damdee, B., Kirdsiri, K., <u>Saiyasombat, C.,</u> <u>Kidkhunthod, P.,</u> Kothan, S. and Kaewkhao, J.	Structural Analysis of Eu ³⁺ in Li ₂ O-MO-B ₂ O ₃ -Eu ₂ O ₃ (M=Mg, Ca, Sr, Ba) Glass using XANES and EXAFS	Radiation Physics and Chemistry 204 (Mar 2023): 110654	Nov 2022	Q2	2.776	Materials Science and Engineering
209	BL5.2: XAS	Leeladee, P., Sapcharoenkun, C.	Rahmawati, T., Butburee, T., Sangkhun, W., Wutikhun, T., Padchasi, J., <u>Kidkhunthod, P.,</u> Phromma, S., Eksangsri, T., Kangwansupamonkon, W., Leeladee, P. And Sapcharoenkun, C.	Green Synthesis of Ag-TiO ₂ Nanoparticles using Turmeric Extract and its Enhanced Photocatalytic Activity Under Visible Light	Colloids and Surfaces A: Physicochemical and Engineering Aspects 665 (May	Feb 2023	Q2	5.518	Materials Science and Engineering
210	BL5.2: XAS	Rittisut, W., Prasatkhetragarn, A., Kaewkhao, J.	Rittisut, W., Wantana, N., Ruangtawee, Y., Mool-am-kha, P., <u>Padchasi, J.,</u> <u>Rujirawat, S.,</u> Manyum, P., Yimnirun, R., <u>Kidkhunthod, P.,</u> Prasatkhetragarn, A., Kothan, S., Kim, H. J. and Kaewkhao, J.	Spectroscopic Characteristics and Optimization of (Gd ³⁺ /Eu ³⁺) Co-Doped in Alkal Borate Glasses for Solid State Lighting Material	Materials Chemistry and Physics 290 (Oct 2022): 126625	Aug 2022	Q2	4.778	Materials Science and Engineering
211	BL5.2: XAS	Kothan, S., Kaewkhao, J.	Rittisut, W., Mool-am-kha, P., Wantana, N., Ruangtawee, Y., <u>Rujirawat, S.,</u> <u>Kidkhunthod, P.,</u> Manyum, P., Yimnirun, R., Prasatkhetragarn, A., Kothan, S., Kim, H.J., Kaewkhao, J.	New Developments in the Gd ³⁺ /Sm ³⁺ Ions Doped Lithium Aluminum Borate Glasses of Luminescent Materials for Lighting Applications	Radiation Physics and Chemistry 201 (Nov 2022): 110443	Aug 2022	Q2	2.776	Materials Science and Engineering
212	BL5.2: XAS	Rungtaweevoranit, B., Abdel-Mageed, A. M., Faungnawakij, K.	Rungtaweevoranit, B., Abdel-Mageed, A. M., Khemthong, P., Eaimsumang, S., Chakarawet, K., Butburee, T., Kunkel, B., Wohlrab, S., Chainok, K., Phanthasri, J., <u>Wannapaiboon, S.,</u> Youngjan, S., Seehamongkol, T., Impeng, S. and Faungnawakij, K.	Structural Evolution of Iron-Loaded Metal–Organic Framework Catalysts for Continuous Gas-Phase Oxidation of Methane to Methanol	ACS Applied Materials & Interfaces 15 (2023): 26700-26709	May 2023	Q1	10.383	Chemistry
213	BL5.2: XAS	Padchasi, J., Kidkhunthod, P.	Lomon, J., Padchasi, J., Montreeuppathum, A., Siroj, S., <u>Chanlek, N.,</u> <u>Poo-arporn, Y.,</u> Pinitsoontorn, S., Songsiririthigul, P., <u>Kidkhunthod, P.,</u>	Nickel and Manganese on Lithium Borate Glass Cathode for Energy Storage Materials	Materialia 26 (Dec 2022): 101583	Sep 2022	Q1	3.44	Materials Science and Engineering
214	BL5.2: XAS	Khemthong, P., Sakdaronnarong, C.	Saengsrichan, A., Khemthong, P., Wanmolee, W., Youngjan, S., Phanthasri, J., Arjfuk, P., Pongchaikul, P., Ratchahat, S., Posoknistakul, P., Laosiripojana, N., Wu, K. C. W. and Sakdaronnarong, C.	Platinum/Carbon Dots Nanocomposites from Palm Bunch Hydrothermal Synthesis as Highly Efficient Peroxidase Mimics for Ultra-low H ₂ O ₂ Sensing Platform Through Dual Mode of Colorimetric and Fluorescent Detection	Analytica Chimica Acta 1230 (Oct 2022): 340368	Sep 2022	Q1	6.911	Materials Science and Engineering
215	BL5.2: XAS	Saisopa, T., Iamprasertkun, P.	Saisopa, T., Bunpheng, A., Wechprasit, T., <u>Kidkhunthod, P.,</u> Songsiririthigul, P., Jiamprasertboon, A., Bootchanont, A., Sailuam, W., Rattanachai, Y., Nualchimplee, C., Hirunpinyopas, W. and Iamprasertkun, P.	A Structural Study of Size Selected WSe ₂ Nanoflakes Prepared via Liquid Phase Exfoliation: X-Ray Absorption to Electrochemical Application	Radiation Physics and Chemistry 206 (May 2023): 110788	Jan 2023	Q2	2.776	Materials Science and Engineering
216	BL5.2: XAS	Kaewkhao, J.	Sarumaha, C. S., Rajagukguk, J., Chanthima, N., <u>Kidkhunthod, P.,</u> <u>Chanlek, N.,</u> Kantuptim, P., Yanagida, T., Kim, H. J. and Kaewkhao, J.	Luminescence Characteristics of Ce ³⁺ doped Multicomponent Lithium Fluorophosphate Glasses	Radiation Physics and Chemistry 207 (Jun 2023): 110814	Feb 2023	Q2	2.776	Materials Science and Engineering
217	BL5.2: XAS	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N.,</u> <u>Poo-arporn, Y.,</u> <u>Wannapaiboon, S.,</u> <u>Kidkhunthod, P.</u> and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe ₃ O ₄ and α -FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
218	BL5.2: XAS	Kidkhunthod, P.	Siroj, S., Padchasi, J., Montreeuppathum, A., Lomon, J., <u>Chanlek, N.,</u> <u>Poo-arporn, Y.,</u> Songsiririthigul, P., <u>Rujirawat, S.</u> and <u>Kidkhunthod, P.</u>	Enhancement of V ₂ O ₅ Li-Ion Cathode Stability by Ni/Co Doped Li-Borate-Based Glass	RSC Advances 12 (2022): 26111-115	Sep 2022	Q1	4.036	Materials Science and Engineering
219	BL5.2: XAS	Kidkhunthod, P.	<u>Siroj, S.,</u> <u>Padchasi, J.,</u> <u>Montreeuppathum, A.,</u> Lomon, J., <u>Chanlek, N.,</u> <u>Poo-arporn, Y.,</u> Songsiririthigul, P., Pinitsoontorn, S., <u>Rujirawat, S.</u> and <u>Kidkhunthod, P.</u>	New Glass Cathode Materials for Li-Ion Battery: Ni-Co Doping in Li-B-O Based Glass	Materials Science for Energy Technologies 6 (2023): 554-560	May 2023	Q1	2.06	Materials Science and Engineering
220	BL5.2: XAS	Namuangruk, S. and Wattanakit, C.	Srisuwanno, W., Saenluang, K., Prasertsab, A., Salakhum, S., Kidkhunthod, P., Namuangruk, S. and Wattanakit, C.	Isolated Hf-Isomorphously Substituted Zeolites for One-Pot HMF Synthesis from Glucose	Advanced Sustainable Systems 7 (Mar 2023): 2200403	Dec 2022	Q1	6.737	Materials Science and Engineering
221	BL5.2: XAS	Siripattanakul-Ratpukdi, S.	Therdkiatikul, N., <u>Kidkhunthod, P.,</u> Chaiprapa, J., Limpiyakorn, T., Khan E., Ratpukdi, T. and Siripattanakul-Ratpukdi, S.	Initial Stage of Innovative Cell-Entrapped Biofilter Start-Up for Removal of	Journal of Water Process Engineering 54 (Aug 2023): 103951	Jun 2022	Q1	7.34	Environmental Science
222	BL5.2: XAS	Hou, Y., Guo, J.	Wang, R., Wang, X., Weng, W., Yao, Y., <u>Kidkhunthod, P.,</u> Wang, C., Hou, Y. and Guo, J.	Proton/Electron Donors Enhancing Electrocatalytic Activity of Supported Conjugated Microporous Polymers for CO ₂ Reduction	Angewandte Chemie International Edition 61 (2022): e202115503	Dec 2021	Q1	16.823	Polymers
223	BL5.2: XAS	Khemthong, P., Singhatanadgit, W.	Wongthong, U., Khemthong, P., Youngjan, S., Phanthasri, J., Toso, M., Rungnim, C., Boonrunsiman, S., Butburee, T., Sriring, M., Chanthad, C., Sreearunothai, P., Ikoma, T., <u>Nakajima, H.,</u> <u>Klysubun, W.,</u> <u>Supruangnet, R.</u> and Singhatanadgit, W.	Rational Design for MgO-Modified Porous Carbon towards Enhancing Zole:ronic Acid Adsorption	Applied Surface Science 615 (Apr 2023): 156359	Jan 2023	Q1	7.392	Materials Science and Engineering
224	BL5.2: XAS	Pattanasattayavong, P.	Worakajit, P., <u>Kidkhunthod, P.,</u> Thanasarnsurapong, T., Waiprasoet, S., <u>Nakajima, H.,</u> Sudyoatsuk, T., Promarak, V., Boonchun, A. and Pattanasattayavong, P.	Origin of Hole-Trapping States in Solution-Processed Copper(I) Thiocyanate and Defect-Healing by I ₂ Doping	Advanced Functional Materials 2023, 2209504	Mar 2023	Q1	19.924	Materials Science and Engineering
225	BL5.2: XAS	Tang, Y.	Yan, Q., Xu, H., Hoang, K., Zhou, X., <u>Kidkhunthod, P.,</u> Lightfoot, P., Yao, W. and Tang, Y.	Na ₂ FeF ₄ as a Stable Cathode Material for Na-Ion Batteries	Applied Physics Letters 121 (2022): 143902	Oct 2022	Q1	3.791	Materials Science and Engineering
226	BL5.2: XAS	Zhang, X., Qin, J.	Yang, C., Zhang, X., Cao, J., Zhang, D., <u>Kidkhunthod, P.,</u> <u>Wannapaiboon, S.</u> and Qin, J.	Interfacial Reconstruction for Regulating Zn ²⁺ Deposition toward Ultrastable Zn Metal Anodes	ACS Applied Materials & Interfaces 15 (2023): 26718-26727	May 2023	Q1	10.383	Materials Science and Engineering

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
227	BL5.2: XAS	Prasatkhetragarn, A., Kaewkhao, J.	Yodkantee, D., Prasatkhetragarn, A., Wantana, N., Chanthima, N., <u>Kidkhunthod, P.</u> , Kothan, S., Yimnirun, R., Kim, H.J., Kaewkhao, J.,	Local Structure and Energy Transfer of Gd ³⁺ to Dy ³⁺ in Phosphate-Based Glasses	Radiation Physics and Chemistry 209 (Aug 2023): 110987	Apr 2023	Q2	2.776	Materials Science and Engineering
228	BL5.2: XAS	Zhang, H., Guo, J.	Zhang, H., Lin, Z., <u>Kidkhunthod, P.</u> and Guo, J.	Stable Immobilization of Nickel Ions on Covalent Organic Frameworks for Panchromatic Photocatalytic Hydrogen Evolution	Angewandte Chemie 62 (May 2023): e202217527	Mar 2023	Q1	16.823	Chemistry
229	BL6: DXL	Yamabhai, M.	Fuadiyah, S., Chotchindakun, K., <u>Phatthanakun, R.</u> , Kuntanawat, P. and Yamabhai, M.	A Bench-Top Approach for Isolation of Single Antibody Producing Chinese Hamster Ovary (CHO) Cells Using a Microwell-Based Microfluidic Device	Micromachines 13 (2022): 1939.	Nov 2022	Q2	3.523	Micro and Nanotechnology
230	BL6: DXL	Meevasana, W.	Laohana, P., Polin, S., Jindata, W., Rasritat, A., Eknapakul, T., Leusoongnoen, P., Pinitsoontorn, S., <u>Janphuang, P.</u> , Saenrang, W. and Meevasana, W.	Large Increase in Photo-Induced Conductivity of Two-Dimensional Electron Gas at SrTiO ₃ Surface with BiFeO ₃ Topping Layer	Applied Physics Letters 121 (2022): 241601	Dec 2022	Q1	3.971	Surface, Interface and Thin Films
231	BL6: DXL	Pinyou, P., Blay, V.	Pinyou, P., Blay, V., Monkrathok, J., <u>Janphuang, P.</u> , Chansaenpak, K., Pansalee, J. and Lisund, S.	A Facile Method for Generating Polypyrrole Microcapsules and Their Application in Electrochemical Sensing	Microchimica Acta 189 (2022)	Oct 2022	Q1	6.408	Micro and Nanotechnology
232	BL6: DXL	Leksakul, K.	Phiphattanaphiphop, C., Leksakul, K., Nakkiew, W., <u>Phatthanakun, R.</u> and Khamlor, T.	Fabrication of Spectroscopic Microfluidic Chips for Mastitis Detection in Raw Milk	Scientific Reports 13 (2023): 6041	Apr 2023	Q1	4.996	Micro and Nanotechnology
233	BL6: DXL	Pojprapai, S.	Sonklin, T., Munthala, D., Leusoongnoen, P., <u>Janphuang, P.</u> and Pojprapai, S.	Effect of Substrate-Tilting Angle-Dependent Grain Growth and Columnar Growth in ZnO Film Deposited using Radio Frequency (RF) Magnetron Sputtering Method	Journal of Materials Science: Materials in Electronics 33 (2022): 16977-16986	Jun 2022	Q2	2.779	Materials Science and Engineering
234	BL7.2: MX	Abdullah, M. M. A. B.	Arokiasamy, P., Abdullah, M. M. A. B., Rahim, S. Z. A., Zainol, R. R. M. A., Salleh, M. A. A. M., Kheimi, M., <u>Chaiprapa, J.</u> , Sandu, A. V., Vizureanu, P., Razak, R. A. and Jamil, N. H.	Metakaolin/Sludge Based Geopolymer Adsorbent on High Removal Efficiency of Cu²⁺	Case Studies in Construction Materials 17 (Dec 2022): e01428	Aug 2022	Q1	4.934	Materials Science and Engineering
235	BL7.2: MX	Aziz, I. H. A., Abdullah, M. M. A. B., Vizureanu, P.	Aziz, I. H. A., Abdullah, M. M. A. B., Razak, R. A., Yahya, Z., Salleh, M. A. A. M., Chaiprapa, J., <u>Rojviriya, C.</u> , Vizureanu, P., Sandu, A.V., Tahir, M. F., Abdullah, A. and Jamaludin, L.	Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age	Materials 16 (2023): 1096	Jan 2023	Q2	3.748	Materials Science and Engineering
236	BL7.2: MX	Kowong, R., Denchitcharoen, S. and Horprathum, M.	Kowong, R., Denchitcharoen, S., Lertvanithphol, T., Triamnak, N., Chananonawathorn, C., Lohwongwatana, B., <u>Chaiprapa, J.</u> , <u>Songsiririthigul, C.</u> , Treetong, A., Klamchuen, A., Songsiririthigul, P., Muthitamongkol, P., Chia, J. Y., Jaruwongrungrsee, K., Nuntawong, N. and Horprathum, M.	Structural and Mechanical behavior of Zr-W-Ti Thin Film Metallic Glasses prepared by Multitarget Co-Magnetron Sputtering	Journal of Alloys and Compounds 936 (Mar 2023): 168330	Dec 2022	1	6.371	Surface, Interface and Thin Films
237	BL7.2: MX	Park, J. H., Hagio, T.	Park, J. H., Hagio, T., <u>Nijpanich, S.</u> , Chanlek, N., <u>Chaiprapa, J.</u> , <u>Songsiririthigul, C.</u> , <u>Songsiririthigul, P.</u> and Ichino, R.	Electrodeposition of Amorphous Molybdenum Oxide on IronGroup Element Based Plating and its Novel Application as a Corrosion Protective Coating	Journal of The Electrochemical Society 169 (2022): 072503	Jul 2022	Q1	4.386	Materials Science and Engineering
238	BL7.2: MX	Songsiririthigul, P.	<u>Songsiririthigul, C.</u> , <u>Chaiprapa, J.</u> , <u>Mothong, N.</u> , <u>Saiyasombat, C.</u> , <u>Suphachiaraphan, S.</u> , <u>Wongprachanukul, N.</u> , <u>Phanak, M.</u> , <u>Bumrunghok, D.</u> and <u>Songsiririthigul, P.</u>	Performance of micro-beam X-ray absorption spectroscopy at beamline 7.2W of Synchrotron Light Research Institute	Radiation Physics and Chemistry 206 (May 2023): 110768	Jan 2023	Q2	2.776	Physics
239	BL6b: XRF	Abdullah, M. M. A. B.	Arokiasamy, P., Abdullah, M. M. A. B., Rahim, S. Z. A., Zainol, R. R. M. A., Salleh, M. A. A. M., Kheimi, M., <u>Chaiprapa, J.</u> , Sandu, A. V., Vizureanu, P., Razak, R. A. and Jamil, N. H.	Metakaolin/Sludge Based Geopolymer Adsorbent on High Removal Efficiency of Cu²⁺	Case Studies in Construction Materials 17 (Dec 2022): e01428	Aug 2022	Q1	4.934	Materials Science and Engineering
240	BL6b: XRF	Aziz, I. H. A., Abdullah, M. M. A. B., Vizureanu, P.	Aziz, I. H. A., Abdullah, M. M. A. B., Razak, R. A., Yahya, Z., Salleh, M. A. A. M., Chaiprapa, J., <u>Rojviriya, C.</u> , Vizureanu, P., Sandu, A.V., Tahir, M. F., Abdullah, A. and Jamaludin, L.	Mechanical Performance, Microstructure, and Porosity Evolution of Fly Ash Geopolymer after Ten Years of Curing Age	Materials 16 (2023): 1096	Jan 2023	Q2	3.748	Materials Science and Engineering
241	BL6b: XRF	Razak, R. A.	Hao, D.L.C., Razak, R.A., Yahya, Z., Abdullah, M. M. A. B., Chaiprapa, J., Phan, V. T.-A., Mohamed, R. and Aziz, I. H.	Investigation of Influence Factors and Surface Treatment on Palm Oil Boiler Ash (POBA) Based Geopolymer Artificial Aggregate: Impregnation vs. Coating Method	Journal of Building Engineering 66 (May 2023): 105936	Jan 2023	Q1	7.144	Environmental Science
242	BL6b: XRF	Wan Ibrahim, M. W., Abdullah, M. M. A. B.	Ibrahim, M. Wan Ibrahim, W.M., Abdullah, M.M.A.B., Nabialek, M., Putra Jaya, R., Setkit, M., Ahmad, R. and Jez, B.	Synthesis of Metakaolin Based Alkali Activated Materials as an Adsorbent at Different Na ₂ SiO ₃ /NaOH Ratios and Exposing Temperatures for Cu ²⁺ Removal	Materials 16 (2023): 1221	Jan 2023	Q2	3.748	Materials Science and Engineering
243	BL6b: XRF	Wahab, J. A., Baltatu, M. S.	Roduan, S. F., Wahab, J. A., Salleh, M. A. A. M., Mahayuddin, N. A. H. M., Abdullah, M. M., Halil, A. B. M., Zaifuddin, A. Q. S., Muhammad, M. I., Sandu, A. V., Baltatu, M. S. and Vizureanu, P.	Effectiveness of Dimple Microtextured Copper Substrate on Performance of Sn-0.7Cu Solder Alloy	Materials 16 (2023): 96	Dec 2022	Q1	3.748	Materials Science and Engineering
244	BL6b: XRF	Salleh, M. A. A. M.	Tan, C. Y., Salleh, M. A. A. M., Saud, N., Chaiprapa, J. and Nogita, K.	Grain Refinement of Primary Cu ₆ Sn ₅ in the Sn-3wt% Ag-5wt%Cu Alloy by Ge	Journal of Materials Research and Technology 21 (Nov-Dec 2022); 3301-12	Oct 2022	Q1	6.267	Materials Science and Engineering
245	BL6b: XRF	Tanphanuch, W., Tancharakorn, S.	Tananonchai, A., Tang, M. T., Pao, C. W., Sampanpanish, P., <u>Tanphanuch, W.</u> and <u>Tancharakorn, S.</u>	The Study of EDTA Enhanced Cd Accumulation and Formation in Napier Grass using Synchrotron μ X-ray Fluorescence Imaging and X-ray Absorption Spectroscopy	Radiation Physics and Chemistry 207 (Jun 2023): 110851	Feb 2023	Q2	2.776	Environmental Science
246	BL6b: XRF	Jantrasee, S.	Thammasri, W., Jantrasee, R., Chaiprapa, J. and Jantrasee, S.	Electrochemical properties of Activated Carbon from Waste Coffee Grounds with Hydrothermalmicrowave Radiation Technique	The Journal of Materials Science: Materials in Electronics 34 (2023): 595	Feb 2023	Q2	2.779	Materials Science and Engineering

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
247	BL6b: XRF	Siripattanakul-Ratpukdi, S.	Therdkiattikul, N., <u>Kidkhunthod, P.</u> , Chaiprapa, J., Limpiyakorn, T., Khan E., Ratpukdi, T. and Siripattanakul-Ratpukdi, S.	Initial Stage of Innovative Cell-Entrapped Biofilter Start-Up for Removal of	Journal of Water Process Engineering 54 (Aug 2023): 103951	Jun 2022	Q1	7.34	Environmental Science
248	BL8: XAS	Shen, A. H.	Amphon, R., Chankhantha, C., Thammajak, N., Intarasiri, S. and Shen, A. H.	Investigation of Blue Coloration in Sapphires Using X-Ray Absorption Near-Edge Structure Spectroscopy (XANES)	Crystal Research and Technology 58 (2023): 2200152	Dec 2022	Q3	1.599	Earth Science, Archeology and Gemology
249	BL8: XAS	Prayongpan, P.	<u>Busayaporn, W.</u> , Songsrirote, K., Phialamkheak, T., Chumram, J., Praingam, N. and Prayongpan, P.	Synthesis and Application of Fluorescent N-doped Carbon Dots/Hydrogel Composite for Cr(VI) Adsorption: Uncovering the Ion Species Transformation and Fluorescent Quenching Mechanism	Environmental Geochemistry and Health 45 (Jul 2023): 5293-5309	Apr 2023	Q1	4.898	Environmental Science
250	BL8: XAS	Iamprasertkun, P.	Chavalekvirat, P., Nakkiew, P., Kunaneksin, T., Hirunpinyopas, W., <u>Busayaporn, W.</u> and Iamprasertkun, P.	Tuning Surface Energy to Enhance MoS₂ Nanosheet Production via Liquid-Phase Exfoliation: Understanding the Electrochemical Adsorption of Cesium Chloride	Inorganic Chemistry 62 (2023): 12851-12861	Aug 2023	Q1	5.436	Chemistry
251	BL8: XAS	Yuan, H. F., Yang, Y., Lin, S.	Chen, J., Yuan, H. F., Yu, J., Yan, M., Yang, Y. and Lin, S.	Regulating Lithium Extraction Based on Intercalated SO ₄ ²⁻ in Li/Al-LDHs	Journal of Colloid and Interface Science 649 (Nov 2023); 694-702	Jun 2023	Q1	9.965	Materials Science and Engineering
252	BL8: XAS	Lin, S.	Chen, J., Huang, K., Du, J., Lian, C., Yu, J. and Lin, S.	Why is Aluminum-Based Lithium Adsorbent Ineffective in Li ⁺ Extraction from Sulfate-Type Brines	AIChE Journal 69 92023); e18176	Jul 2023	Q1	4.167	Environmental Science
253	BL8: XAS	Srifa, A.	Chuseang, J., Itthibenchapong, V., Srifa, A., Praikaew, W., Tuntithavornwat, S., Rungtaweeworanit, B., Ratchahat, S., KooAmornpattana, W., <u>Klysubun, W.</u> , Eiad-ua, A.,	Enhancing the Hydrodeoxygenation and Isomerization using Re Nanoparticles Decorated on Ni/SAPO-11 Catalysts for Direct Production of Low-Cold Flow Diesel from Triglycerides	ChemCatChem	Jul 2023	Q1	5.497	Chemistry
254	BL8: XAS	Chareonpanich, M.	Du, Z., Chotchaipitakkul, R., Sangteantong, P., Donphai, W., <u>Limphirat, W.</u> , <u>Poo-arporn, Y.</u> , <u>Nijpanich, S.</u> , Kiatphuengporn, S., Jantaratana, P. and Chareonpanich, M.	Catalytic LPG Conversion Over Fe-Ga Modified ZSM-5 Zeolite Catalysts with Different Particle Sizes: Effect of Confined-Space Zeolite and External Magnetic Field	Topics in Catalysis	May 2023	Q2	2.781	Chemistry
255	BL8: XAS	Suasromo, S.	Hastuti, E., Subhan, A., Amonpattaratkit, P., Zainuri, M., Triwikantoro, T. and Suasromo, S.	Oxidation State, Local Structure Distortion, and Defect Structure Analysis of Cu Doped α-MnO ₂ Correlated to Conductivity and Dielectric Properties	Heliyon 8 (Nov 2022): e11459	Nov 2022	Q1	3.776	Materials Science and Engineering
256	BL8: XAS	Siritanon, T.	Jiamprasertboon, A., Waehayee, A., Sertwatsana, S., <u>Nijpanich, S.</u> , <u>Busayaporn, W.</u> , Eknapakul, T., Chanlek, N., Bootchanont, A., Sunkhunthod, C., Watwiangkham, A., <u>Nakajima, H.</u> , Li, J., Subramanian, M. A., Suthirakun, S. and Siritanon, T.	Effects of M Cations on Crystal Structure and Optical Properties of MTe₃O₈ Tellurites	Solid State Sciences 135 (Jan 2023): 107067	Nov 2022	Q2	3.752	Materials Science and Engineering
257	BL8: XAS	Butburee, T., Siritanon, T.	Jiamprasertboon, A., Sertwatsana, S., Ngamwongwan, L., Sangkhun, W., Waehayee, A., Phonsuksawang, P., Bootchanont, A., <u>Nijpanich, S.</u> , <u>Busayaporn, W.</u> , <u>Nakajima, H.</u> , Suthirakun,	Controllable Synthesis of Nanostructured Bismuth Vanadate Thin Films as an Efficient Catalyst for Photoelectrochemical Water Splitting	New Journal of Chemistry 47 (2023): 14758-14767	Jun 2023	Q2	3.925	Chemistry
258	BL8: XAS	Gautam, S.	Kaur, M., Gautam, S., Chae, K. H., <u>Klysubun, W.</u> and pGoyal, N.	Charge Transfer and X-Ray Absorption Investigations in Aluminium and Copper Co-Doped Zinc Oxide Nanostructure for Perovskite Solar Cell Electrodes	Scientific Reports 13 (2023): 10769	Jul 2023	Q1	4.996	Materials Science and Engineering
259	BL8: XAS	Klysubun, W.	<u>Klysubun, W.</u> , Tarawarakarn, P., Thamsanong, N., Mahakhod, S., Amonpattaratkit, P. and <u>Cholsuk, C.</u>	A New Full-Field XRF Imaging Station at Synchrotron Light Research Institute	The Journal of Synchrotron Radiation 30 (2023): 655-661	Apr 2023	Q1	2.557	Other
260	BL8: XAS	Kopittke, P. M.	Meyer, G., Bell, M. G., Kopittke, P. M., Lombi, E., Doolette, C. L., Brunetti, G., <u>Klysubun, W.</u> and Janke, C. K.	Mobility and Lability of Phosphorus from Highly Concentrated Fertiliser Bands	Geoderma 429 (Jan 2023): 116248	Nov 2022	Q1	7.422	Food and Agricultural Science
261	BL8: XAS	Tran, D. H.	Pham, A. T., Vu, L. H., Tran, D. T., Nguyen Duy, T., Wantana, K., Miyanaga, T., Man, N.K., Duong, N.T.T., Long, N.T., Pham, P.V., Binh, N. T. and Tran, D.H.	Correlation Between Local Structure Variations and Critical Temperature of (Bi ₁₋₆ Pb _{0.4} Sr ₂ Ca ₂ Cu ₃ O _{10+δ}) _{1-x} (TiO ₂) _x Superconductor	Ceramics International 49 (Apr 2023): 10506-12	Nov2022	Q1	5.532	Materials Science and Engineering
262	BL8: XAS	Padungthon, S.	Pranudta, A., Patra, S., <u>Klysubun, W.</u> , Amonpattaratkit, P., Nguyen, T. T., Nguyen, V. H., El-Moselhy, M. M. and Padungthon, S.	Insight into the Molecular Interaction of Trace As (III) and As(V) onto the Hybrid Anion Exchanger Impregnated with Fe/Mn Nanoparticles (HA502P-Fe/Mn)	Chemical Engineering Journal 454 (Feb 2023): 139991	Nov 2022	Q1	16.744	Materials Science and Engineering
263	BL8: XAS	Prietzl, J.	Prietzl, J., Ayala, G. V., Häusler, W., Eusterhues, K., Mahakot, S. and <u>Klysubun, W.</u>	Aluminum Speciation in Forest Soils and Forest floor Density Fractions using Synchrotron-Based XANES Spectroscopy	Geoderma 431 (Mar 2023): 116373	Feb 2023	Q1	7.422	Earth Science, Archeology and Gemology
264	BL8: XAS	Choojun, K., Sooknoi, T.	Promchana, P., Choojun, K., Leesakul, N., Saithong, S., Chainok, K. and Sooknoi, T.,	Experimental Insights into Catalytic Oxidation of 1,6-Hexanediol to ε-Caprolactone over (p-cymene) RuCl ₂ (L) Complexes in Non-Polar Media	Reaction Chemistry Engineering 7 (2022): 2562-72	Aug 2022	Q1	5.2	Chemistry
265	BL8: XAS	Leinweber, P.	Pruter, J., Schumann, R., <u>Klysubun, W.</u> and Leinweber, P.	Characterization of Phosphate Compounds along a Catena from Arable and Wetland Soil to Sediments in a Baltic Sea Lagoon	Soil System 7 (2023): 15	Feb 2023	Q1	3.609	Earth Science, Archeology and Gemology
266	BL8: XAS	Kaewkhao, J.	Rajaramakrishna, R., Kothan, S., <u>Busayaporn, W.</u> , Chanlek, N., Kim, N. J., Prongsamrong, P. and Kaewkhao, J.	Synchrotron, Luminescence, and XPS Studies of Gd³⁺:Dy³⁺:Ce³⁺ Tri-Rare-Earth Oxides in Borate Glasses	Radiation Physics and Chemistry 206 (May 2023): 110757	Jan 2023	Q2	2.776	Physics

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
267	BL8: XAS	Bootchanont, A.	Sailuam, W., Saisopa, T., Fongkaew, I., Ngamwongwan, L., Eknapakul, T., Seawsakul, K., Horprathum, M., Amonpattaratkit, P., <u>Chanlek, N.</u> , Songsiriritthigul, P., Limpijumnong, S., Yimnirun, R., Jiamprasertboon, A. and Bootchanont, A.	Correlation of Conductivity Enhancement and Al-Site Defects in Nanocolumnar ZnO Films Under Vacuum Annealing by Experimental and Calculations	Applied Surface Science 613 (Mar 2023): 155985	Dec 2022	Q1	7.392	Physics
268	BL8: XAS	Iamprasertkun, P.	Saisopa, T., Jitapunkul, K., Bunpheng, A., Nakajima, H., Supruangnet, R., Busayaporn, W., Sukprom, T., Hirunpinoyas, W., Seubsai, A., Songsiriritthigul, P. and Iamprasertkun, P.	The Structure Analysis and Chemical Properties Probing During Recycling Processes of Transition Metal DichalcogenidesExfoliation	Electrochimica Acta 449 (May 2023); 142171	Mar 2023	Q1	7.336	Chemistry
269	BL8: XAS	Saran, S.	Saran, S., Eker, Y. R., Ates, S., Celik, G., HBaveghar, H., Ozkendir, O. M., Atav, U. and <u>Klysubun, W.</u>	The Effect of Ti to the Crystal Structure of Li7-3xMxLa3Zr1.8Ti0.2O12 (M= Ga, In) Garnet-Type Solid Electrolytes as a Second Dopant	Advances in Applied Ceramics 121 (2022): 238-246	Jan 2023	Q2	2.475	Materials Science and Engineering
270	BL8: XAS	Schweizer, S. A.	Schweizer, S. A., Hurtarte, L. c. C., Höschen, C., <u>Klysubun, W.</u> , Harrington, G. and Prietzel, J.	Phosphorus Hotspots in Pedogenic Carbonate Coatings Determined by Zoned Microscale Arrangement and Organo-Mineral Interactions	Geochimica et Cosmochimica Acta 344 (Mar 2023): 90-102	Jan 2023	Q1	5.921	Food and Agricultural Science
271	BL8: XAS	Tuyishime, J. r. M.	Tuyishime, J. R. M., Adediran, G. A., Olsson, B. A., Zetterberg, T. S., Högbom, L., Spohn, M., Lim, H., <u>Klysubun, W.</u> , Borca, C. N., Huthwelker, T. and Gustafsson, J. P.	Phosphorus speciation in the Organic Layer of Two Swedish Forest Soils 13–24 Years After Wood Ash and Nitrogen Application	Forest Ecology and Management 521 (Oct 2022): 120432	Jul 2022	Q1	4.384	Environmental Science
272	BL8: XAS	Vao-soongnern, V.	Vao-soongnern, V., Chaodamrongsakul, J., Reungsri, K., Sirirak, K., Amonpattaratkit, P. and <u>Klysubun, W.</u>	A Combined Molecular Dynamic Simulation and Synchrotron X-Ray Absorption Spectroscopy to Characterize the Atomistic Local Structure of Ion-Containing Polymers	Macromolecular Symposia 408 (2023): 2100444	Apr 2023	Q3	0.257	Polymers
273	BL8: XAS	Vao-soongnern, V.	Wichai, K., Vao-soongnern, V., Prasitnok, K. and <u>Klysubun, W.</u>	Molecular Dynamics Simulation and X-Ray Absorption Spectroscopy to Characterize the Local Structure and Dynamics of Calcium Ion in Sulfonated Polystyrene	Journal of Molecular Structure 1278 (Apr 2023): 134972	Jan 2023	Q2	3.841	Chemistry
274	CSEc	Saisopa, T.	Bootchanont, A., Wechprasit, T., Isran, N., Theangsunthorn, J., Chaosuan, N., <u>Chanlek, N.</u> , Kidkhunthod, P., Yimnirun, R., Jiamprasertboon, A., Eknapakul, T., Siritanon, T., Sailuam, W. and Saisopa, T.	Correlation of the Antibacterial Activity and Local Structure in Zn- and Mn-doped Hydroxyapatites by Rietveld Refinement and the First-Principles Method	Materialia 26 (Dec 2022): 101586	Oct 2022	Q1	0.915	Materials Science and Engineering
275	CSEc	Kuaprasert, B.	<u>Kuaprasert, B.</u> , Chitnumsub, P., Leartsakulpanich, U., Riengrunroj, P., Riengrunroj, P., Suginta, W., Leelayoova, S., Mungthin, M., Sitthichot, N., Rattanabunyong, S., Kiriwan, D. and Choowongkamon, K.	Dual Role of Azo Compounds in Inhibiting Plasmodium Falciparum Adenosine Deaminase and Hemozoin Biocrystallization	Experimental Parasitology 243 (Dec 2022): 108384	Sep 2022	Q3	2.132	Biological and Life Science
276	CSEc	Sailuam, W.	Sailuam, W., Fongkaew, I., <u>Busayaporn, W.</u> , Klinkla, R. and Phacheerak, K.	Influence of Pressure on Elasticity, Mechanical Properties, and Li Diffusion in Battery Electrode Material LiCoO2: First-Principles Calculations	Results in Physics 52 (sep 2023): 106788	Jul 2023	Q2	4.565	Materials Science and Engineering
277	CSEc	Chanajaree, R.	Seehamart, K., <u>Busayaporn, W.</u> and Chanajaree, R.	Molecular Adsorption and Self-Diffusion of NO2, SO2, and their Binary Mixture in MIL-47(V) Material	RSC Advances 13 (2023): 19207	Jun 2023	Q2	4.036	Materials Science and Engineering
278	CSEc	Sukkabot, W.	Thajitr, W., <u>Busayaporn, W.</u> , Rai, D. P. and Sukkabot, W.	Modulation of Electronic and Magnetic Properties of MoX2 (X = S and Se) Monolayer via Mono- and Co-Transition Metal Dopants: Spin Density Functional Theory	Physica Scripta 97 (2022): 095805	Aug 2022	Q2	3.081	Physics
279	LAB	Ajcharanukul, O.	Chaiwat, A., Chunhacheevachaloke, E., <u>Kidkhunthod, P.</u> , <u>Pakawanit, P.</u> and Ajcharanukul, O.	Enamel Remineralization and Crystallization after Fluoride Iontophoresis	Journal of Dental Research 102 (2023): 402-411	Dec 2022	Q1	8.924	Medical Applications
280	LAB	Grote, P. J.	Grote, P. J., Duangkrayom, J. and Jintasakul, P.	Endocarps of Parinari (Chrysobalanaceae) from the Neogene of Northeastern Thailand	Acta Palaeobotanica 62 (2022): 24–35	Jun 2022	Q2	0.692	Earth Science, Archeology and Gemology
281	LAB	Tangtrakarn, A.	Moolsarn, K., Aifantis, K. E., Phakkhawan, A., Duangsa, K., Pimsawat, A., Klangtakai, P., Pimanpang, S., <u>Phoomalee, C.</u> and Tangtrakarn, A.	The Influence of Ethylene Glycol-Based Solvents on the Morphological and Supercapacitive properties of Hydrothermalized δ-	Journal of Materials Science: Materials in Electronics 34 (2023):	Jun 2022	Q2	2.779	Materials Science and Engineering
282	LAB		Palee, I., Kaewsimmaphorn, S., Jutaporn, P., Phungsai, P. and Ratpukdi, T.	Reverse Osmosis Pretreatment by a Fluidized Magnetic Ion Exchange Resin for Application in a Power Plant: Pilot-Scale and	Chemical Engineering Journal 470 (Aug 2023): 144320	Jun 2023	Q1	16.744	Chemistry
283	LAB	Kunasakdakul, K.	Pupakdeepan, W., Termsung, N., Ruangwong, O.-U. and Kunasakdakul, K.	Plant Growth Promoting and Colonization of Endophytic Streptomyces albus CINV1 against Strawberry Anthracnose	Horticulturae 9 (2023): 766	Jul 2023	Q1	3.1	Food and Agricultural Science
284	LAB	Phungsai, P.	Prasert, T., Ishii, Y., Kurisu, F., Musikavong, C. and Phungsai, P.	Changes in Molecular Dissolved Organic Matter During Coagulation/Sedimentation and Chlorine and Chlorine Dioxide Disinfection by Non-Target (or unknown) Screening Analysis	Journal of Water Process Engineering 52 (Apr 2023): 103-528	Jan 2023	Q1	7.34	Environmental Science
285	LAB	Sutthiruangwong, S.	Sutthiruangwong, S., Wongpaiboon, C., Sritha, N. and Anukulwich, N.	Pitting Potential Improvement of 304 Stainless Steel in Hydrochloric Acid Solution by Terminalia bellirica Fruit Extract	Metals 13 (2023): 262	Jan 2023	Q1	2.9	Materials Science and Engineering
286	LAB	Wattananapakasem, I.	Tassanaudom, U., Buntin, N., <u>Nawong, S.</u> , and Wattananapakasem, I.	Effect of Lactic Acid Bacteria Powder on Quality of Fermented Fish Product (Pla-Som)	International Journal of Agricultural Technology 19 (Sep 2023): 2281-2292	Sep 2023	Q4	0.49	Food and Agricultural Science

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile 2021	IF2021	Field Res.
287	LAB	Yuthawong, V.	Yuthawong, V., Thongnueaha, C. and Phungsai, P.	Changes in Optical Properties and Molecular Composition of Dissolved Organic Matter and Formation of Disinfection by-Products During Conventional Water Treatment Processes	Environmental Science Water Research & Technology 9 (2023): 161-175	Nov 2022	Q1	5.819	Environmental Science
288	Instrumentation	Sunwong, P.	Prawanta, S., Leetha, T., Singthong, P., Numanoy, P., Kwankasem, A., Sooksrimuang, V., Preecha, C., Klinkiew, S. and Sunwong, P	Development of Type A Quadrupole Magnet for Siam Photon Source II.	Particles 6 (2023): 664-673	Jun 2022	n/a	n/a	Accelerators
289	Instrumentation	Srisertpol, J.	Seangsri, S., Wanglomklang, T., Khaewnak, N., Yachum, N. and Srisertpol, J.	Optimizing Ultra-High Vacuum Control in Electron Storage Rings Using Fuzzy Control and Estimation of Pumping Speed by Neural Networks with Molflow	Systems 11 (2023): 116	Feb 2023	Q2	2.895	Physics