Fiscal Year 2026: International Journals

No.	BL	Author	Title	Source	Q	IF	Field
1	BL1.1W: MXT	Baser, M. F. H., Salleh, M. A. A. M., Said, R. M., Zakaria, M. F., Zaimi, N. S. M. Wannapaiboon, S., Kamonsuangkasem, K., Tancharakorn, S., Tanthanuch, W. and Mothong, N.	Influence of Indium on Cu6(Sn,In)5 Formation and Microstructure Refinement in Sn-10wt.%Cu Solder Alloy	JOM	Q2	2.3	Materials Science and Engineering
2	BL1.1W: MXT	Chotsawat, M., Saiyasombat, C., Busayaporn, W., Sikam, P., Thirayatorn, R., Nachaithong, T., Chankhunthod, N.,Thongbai, P. and Moontragoon, P.	Effect of Nature and Formation of Defects to Optical, Magnetic and Dielectric Properties in Co-doped SrTiO3: DFT and Experiments Approaches	Ceramics International 52 (May 2026): 16652-16662	Q1	5.6	Materials Science and Engineering
3	BL1.1W: MXT	Dai, Z., Zhang, X., Lolupiman, K., Yang, C., Woottapanit, P., Limphirat, W., Wannapaiboon, S., Zhang, X. and Qin, J.	Enhanced Stability of Vanadium-Based Electrode Materials Using Multi-Component Hybrids for High-Performance Zinc-Ion Batteries	ACS Applied Materials & Interfaces 17 (2025): 57059-57069	Q1	8.2	Materials Science and Engineering
4	BL1.1W: MXT	Deng, C., Xu, H., Zhou, Y., Ayyub, A., Wan, Z., Yuan, W., Yao, Y., Kamonsuangkasem, K., Zheng, W., Xu, M., Kawi, S. and Yang, W.	Vertical Growth of ZnIn2S4 on Sr2MgSi2O7:Eu2+, Dy3+ Boosts Surface Area and Covalent S-scheme Charge Separation for Round-the-Clock Photocatalytic Degradation of Organic Pollutants	Journal of Environmental Chemical Engineering 14 (Feb 2026): 120547	Q1	7.2	Environmental Science
5	BL1.1W: MXT	Englong, A., Punwong, P., Marchant, R., Jirapinyakul, A., Swangpol, S. C., Chotikarn, P., Pumijumnong, N., Chirawatkul, P., Maprasop, P., Samerwong, P. and Suttiwong, A.	Long-Term Vegetation Dynamics, Environmental Changes, Anthropogenic Records, and Carbon Accumulation During 3,800 Years in Krabi Mangroves, Thailand	Vegetation History and Archaeobotany	Q1	1.9	Environmental Science
6	BL1.1W: MXT	Hazizi, M. H. Z., Salleh, M. A. A .M., Somidin, F., Zaimi, N. S. M., Nadzri, N. I. M., Kamonsuangkasem, K., Tanthanuch, W., Tancharakorn, S., Mothong, N. and Wannapaiboon, S.	Effect of Indium on Microstructure, Phase Stability, Anisotropic Lattice Behavior and Mechanical Performance of Sn-58Bi Solder Alloy	Journal of Materials Science: Materials in Electronics 36 (2025): 2117	Q2	2.8	Materials Science and Engineering
7	BL1.1W: MXT	Mehta, K. H., Made, R. I., Agrotis, S., Parkin, I. P., Sankar, G. and Handoko, A. D.	Selective and Sustainable Oxidation of Allyl Alcohol in Water Using a TS-1 Catalyst in Continuous Flow: A Machine-Learning-Driven Approach	ACS Sustainable Chemistry & Engineering	Q1	7.3	Chemistry
8	BL1.1W: MXT	Munthala, D., Raman, A., Sonklin, T., Buatip, N., Leuasoongnoen, P., Janphuang, P., Nijpanich, S., Klysubun, W., Chirawatkul, P., Gumma, V. L. P.,. Raju, K. C. J. and Pojprapai, S.	Amorphous to Crystalline Transformation of BCZT Films: a Complex Microstructure Studied by Synchrotron X-rays, Ferro-Electric, and Optical Spectroscopy	Journal of Materials Science: Materials in Electronics 37 (2026): 93	Q2	2.8	Surface, Interface and Thin Films
9	BL1.1W: MXT	Nanmong, T., Obrom, W., Yingyuen, W., Jaroenchur, T., Thamthong, P., Wittayakun, J., Prayoonpokarach, S., Tawachkultanadilok, P., Poo-arporn, Y., Wannapaiboon, S., Chanlek, N., Rungtaweevoranit, B., Kosawatthanakun, S., Khemthong, P., Desaulniers, J. P. and Loiha, S.	Synergistic Effects of Fe Species Distribution and Acid Site Balance in Fe/Zeolite Catalysts for 5-HMF Production from Glucose	RSC Advances 16 (Apr 2026): 18591-18611	Q1	4.6	Chemistry
10	BL1.1W: MXT	Nuyang, P., Phung-on, I., Peansukmanee, S., Choungthong, P. and Saiyasombat, C.	Enhanced Corrosion Resistance of AISI 304 Stainless Steel via Atmospheric Glazing of Boron Nitride Thin Films	Materials Research Express 13 (2026): 046501	Q1	2.2	Surface, Interface and Thin Films
11	BL1.1W: MXT	Petcharat, N., Kaewmuntree, N., Krobkrong, N., Hirunpinyopas, W., Chavalekvirat, P., Iamprasertkun, P., Thanasarnsurapong, T., Boonchun, A., Kamonsuangkasem, K. and Sirisaksoontorn, W.	The Interplay of Dy Doping and Sulfur Vacancies in MoS2 for an Efficient Hydrogen Evolution Reaction	ACS Omega 11 (Mar 2026): 16571-16581	Q1	4.3	Chemistry
12	BL1.1W: MXT	Phongsanam, N., Phetduang, S., Nijpanich, S., Tasarin, S., Wannakan, K., Ngamdee, K., Ren, X. K. and Ngeontae, W.	Mannich-Mediated Smartphone Fluorescence Detection of Formaldehyde Using Enhanced Peroxidase-Like Nanozyme-Magnetic Nanoparticle System	Sensors & Actuators: B. Chemical 453 (Apr 2026): 139510	Q1	7.7	Food and Agricultural Science
13	BL1.1W: MXT	Piyakulworawat, C., Morita, K., Fukumoto, Y., Hsieh, W. Y., Chen, W. T., Nakajima, K., Ohira-Kawamura, S., Zhao, Y., Wannapaiboon, S., Piyawongwatthana, P., Sato, T. J. and Matan, K.	Coupled Dimerized Alternating-Bond Quantum Spin Chains in the Distorted Honeycomb-Lattice Magnet Cu5SbO6	Physical Review Research 8 (2026): 013247	Q1	4.2	Physics
14	BL1.1W: MXT	Pramakhamo, S., Premanond, V., Daodon, W. and Pandee, P.	High-Temperature Sliding Wear Behavior of Bound Metal Deposited AISI H13 Tool Steel with Different Infill Patterns	Materials Research Express 13 (2026): 046502	Q2	2.2	Materials Science and Engineering
15	BL1.1W: MXT	Phattrapornpisit, P., Piyanuch, P., Amornkittithaworn, P., Santatiwongchai, J., Impeng, S., Wannapaiboon, S., Chansaenpak, K. and Kamkeaw, A.	AIE-Active BODIPY Sensors for High-Sensitivity and Selective Cu2+ Detection in Environmental and Biological Applications	Journal of Photochemistry and Photobiology A: Chemistry 475 (June 2026): 117027	Q2	4.7	Chemistry
16	BL1.1W: MXT	Ponchai, P., Adpakpang, K., Inchongkol, Y., Wannapaiboon, S. and Bureekaew, S.	Tailoring Zn-based Zeolitic Imidazolate Frameworks via Ni Substitution: A Strategy for Enhanced Selective Alcohol Adsorption and Separation	Physical Chemistry Chemical Physics 27 (2025): 20625-20635	Q2	2.9	Materials Science and Engineering
17	BL1.1W: MXT	Ruttakorn, A., Tocho, S., Yimnirun, R., Saisopa, T., Eknapakul, T., Chirawatkul, P., Noonurak, R. and Bootchanont, A.	The Effects of Zn and Sr Co-Doping on Local Structure, Dielectric Properties, and Bioactivity of Hydroxyapatite Porous Materials	Radiation Physics and Chemistry 236 (Nov 2025): 112928	Q2	3.3	Medical Applications
18	BL1.1W: MXT	Saengsrichan, A., Khemthong, P., Phanthasri, J., Namuangruk, S., Youngjan, S., Phawa, C., Wannapaiboon, S., Pakawanit, P., Sankar, G., Khunphonoi, R. and Khamdahsag, P.	Engineered Thioglycolate-Activated Carbon Composites via Ambient Alcohol Esterification for Enhanced Mercury(II) Adsorption Performance: The Role of Alcohols in Thioglycolic Acid Esterification	Journal of Water Process Engineering 78 (Oct 2025): 108674	Q1	6.7	Environmental Science

No.	BL	Author	Title	Source	Q	IF	Field
19	BL1.1W: MXT	Sangar, A. S., Putthisigamany, Y., Nazeri, M. F. M., Chelvanathan, P., Jun, T. S., Bednarek, A., *Wannapaiboon, S*. and Nadzri, N. I. M.	Annealing-Induced Oxide–Matrix Interactions and Their Impact on Electrical Properties of CoCrFeMnNi High-Entropy Alloy Thin Films	Materials Chemistry and Physics 353 (Apr 2026): 132131	Q1	4.7	Materials Science and Engineering
20	BL1.1W: MXT	Sangar, A. S., Putthisigamany, Y., Nazeri, M. F. M., Chelvanathan, P., Wannapaiboon, S., Huang, H. C., Su, T. C., Nadzri, N. I. M.	In-Situ Synchrotron Study on the Oxidation Behaviour of Titanium-Doped CoCrFeMnNi Thin Film Deposited by Magnetron Sputtering	Vacuum 249 (Jun 2026): 115271	Q1	3.9	Surface, Interface and Thin Films
21	BL1.1W: MXT	Tangthuam, P., Pipattanachaiyanan, P., Kao-ian, W., Wannapaiboon, S., Pakawanit, P., Wang, Y., Nagao, Y. Suttipong, M. and Kheawhom, S.	Chelation-Buffer Co-Additives Enable Compact Zn Deposition and High-Rate Cycling in Zn−Br2 Hybrid Flow Batteries	ACS Applied Materials & Interfaces 18 (2026): 15747-15763	Q1	8.2	Materials Science and Engineering
22	BL1.1W: MXT	Tulanon, T., Wannapaiboon, S. and Insin, N.	High-Entropy Antiperovskite Metal Nitrides with Nitrogen Vacancies as Magnetic Sonocatalysts for Ciprofloxacin Degradation	Materials Today Catalysis 13 (Jun 2026): 100140	Q1	1.28	Environmental Science
23	BL1.1W: MXT	Theekhasuk, N., Sakdanuphab, R., Voraud, A., Limsuwan, P., Sakulkalavek, A. and Somdock, N.	Enhanced Antimony Telluride Thermoelectric Generators: from Material Synthesis to Device Applications	Journal of the European Ceramic Society 45 (Dec 2025): 117585	Q1	5.8	Materials Science and Engineering
24	BL1.1W: MXT	Thongnopkun, P., Phlayrahan, A.	Spectroscopic and Elemental Analyses of Purplish Red to Pink Spinels from Myanmar, India, Mahenge, and Tunduru (Tanzania)	Journal of Applied Spectroscopy 92 (2025): 1063-1072	Q4	1	Environmental Science
25	BL1.1W: MXT	Wang, J., Wang, D., He, Z., Yan, M., Xiang, Y., Li, H., Xu, L. and Li, J.	Facet-Tailored Co3O4 as Electronic Regulator and Stabilizing Support for Ru Nanocluster: Toward Efficient Alkaline HER	Energy & Environmental Materials 9 (Mar 2026): e70172	Q1	14.1	Chemistry
26	BL1.1W: MXT	Wechprasit, T., Bootchanont, A., Infahsaeng, Y., Wongjom, P., Wannapaiboon, S., Kaewprajak, A., Kumnorkaew, P., Sailuam, W., Saisopa, T., Saenrang, W., Pecharapa, W. and Maiaugree, W.	The Influence of Palladium Doping on the Structural, Morphological, Optical and Electronic Properties of Formamidinium Lead Iodide Perovskite Films	Radiation Physics and Chemistry 217 (Dec 2025): 112997	Q2	3.3	Surface, Interface and Thin Films
27	BL1.1W: MXT	Wijitsak, J., Boonprab, J., Harding, P., Harding, D. J., Clegg, J. K., Kaewket, K., Jakkrawhad, C., Nijpanich, S., Wannapaiboon, S. and Kaewraung, W.	Redox-Engineered Copper(II) Methylthio-Imidazole Schiff Base Complex for Electrochemical Detection of Creatinine as a Kidney Disease Biomarker	Sensors and Actuators: B. Chemical 445 (Dec 2025): 138590	Q1	7.7	Medical Applications
28	BL1.1W: MXT	Xue, Q., Qian, S., Lim, K. H., Wee, M. X. J., Nie, K., Cheng, S., Chen, X., Chirawatkul, P., Johannessen, B., Yan, B.,Yin, Z., Wang, Y., Luo, G., Gates, B. C. and Kawi, S.	Nanoscale Core–Shell Catalysts for H2 Production by Methane Decomposition: Supported Nickel Nanoparticles Ensheathed in Metal Oxides	Journal of the American Chemical Society 147 (2025): 38141-38157	Q1	15.6	Chemistry
29	BL1.1W: MXT	Yang, Z., Cheng, H., Yang, W., Shen, Y., Ding, Y., Diao, L., Feng, S. and Xu, L.	Local Microenvironment-Induced Dynamic Self-Adaptation for High-Performance Ammonium-Ion Batteries	ACS Nano 19 (Oct 2025): 37154-37164	Q1	16.1	Materials Science and Engineering
30	BL1.1W: MXT	Yao, R., Zhang, H. H., Lim, K. H., Li, C., Tang, H., Kamonsuangkasem, K., Tan, L., Sunarso, J., Kawi, S. and Song, G.	Dual-Precursor Coating Strategy for One-Step Upgrade of LiFePO4 to LiMn0.6Fe0.4PO4 Cathodes with Atomic-Level Mn/Fe Uniformity and Enhanced Electrochemical Performance	Journal of Materials Chemistry A 14 (2026): 7640-7654	Q1	9.5	Materials Science and Engineering
31	BL1.1W: MXT	Yu, Y., Zhou, X., Yan, L., Yang, L., Hong, J., Kamonsuangkasem, K., Wang, P., and Kandegama, W. M. W. W., Hao, G. and Zhang, L.	Spatial Organization of an Enzyme Cascade in Ni-ZIF-8 Framework for Efficient Sugar Nucleotide Synthesis	Green Chemistry 28 (2026): 4474-4489	Q1	9.2	Chemistry
32	BL1.1W: MXT	Zaimi, N. S. M., Salleh, M. A. A. M., Aziz, M. S. A., Nadzri,N. I. M., Hazizi, M. Z., Kamonsuangkasem, K., Tanthanuch, W., Tancharakorn, S., Mothong, N. and Khor , C. Y.	The Effects of Indium on the Microstructural Evolution, Lattice Characteristics, Thermal Stability and Mechanical Performance in Sn-3.0Ag-0.5Cu Solder Alloys	Journal of Materials Science: Materials in Electronics 37 (2026): 218	Q2	2.8	Materials Science and Engineering
33	BL1.1W: MXT	Zhang, X., Chen, X., Qu, B., Niu, J., Ma, C., Hu,Z., Xiong, Y., Saiyasombat, C., Kamonsuangkasem, K., Feng, G., Ye, R., Ding, S., Zhang, R. and Kawi, S.	Thermally Cured Nickel-Based Catalysts Enabling High-Activity Plasma-Assisted CO2 Hydrogenation	Journal of Colloid and Interface Science 718 (Sep 2026): 140478	Q1	9.7	Chemistry
34	BL1.2: XTM	Chauntrakul, K., Photichark, P., Somnuake, P., Teeka, W., Pakawanit, P., Praserthdam, P. and Wacharawichanant, S.	Poly(Lactic Acid) Stereocomplex Cast Films With Microwave Resistant Properties by Cellulose From Hemp Biomass Composites	Journal of Applied Polymer Science 143 (Apr 2026): e70542	Q2	2.8	Polymers
35	BL1.2: XTM	Hajra, S., Panda, S., Kaja, K. R., Song, S., Ryu, Y., Panigrahi, B. K., Vittayakorn, N., Lee, J. H., Jeong, S. M. and Kim, H. J.	Mechanoluminescent-Energy Harvesting Bimodal Sensors for Self-Powered Communication Sensors	Journal of Materials Chemistry C 13 (2025): 19297-19307	Q1	5.1	Micro Nanotechnology
36	BL1.2: XTM	Hanpramukkun, N., Teruya, T., Charoenwattanasatien, R., Pakawanit, P., Limsitthichaikoon, S.	Development and Evaluation of Modified Dioscorea hispida Starch as a Sustainable Super-Disintegrant for Immediate-Release Tablets	Polysaccharides 6 (2025): 109	Q1	5.5	Medical Applications
37	BL1.2: XTM	Hoe-Woon, T., Cheng-Yong, H., Yun-Ming, L., Qi-Hwa, N., Wei-Hao, L., Kai Loong, F., Pakawanit, P., Supramanian, D., Jia-Ni, L., Yu-Xin, Y., Shee-Ween, O. and Mei-Ju, L.	Elucidating the Interplay Between Pore Microstructure and Heavy Metal Leaching of Rubber Sludge in Fly Ash Geopolymers	Journal of Environmental Chemical Engineering 13, 5 (Oct 2025): 117698	Q1	7.2	Materials Science and Engineering
38	BL1.2: XTM	Intachai, N., Rachniyom, W., Wantana, N., Tariwong, Y., Khrongchaiyaphum, F., Sarumaha, C. S., Pakawanit, P., Phoovasawat, C., Kanjanaboos, P., Rueangsawang, W., Kim, H. J., Niamin, H., Kothan, S. and Kaewkhao, J.,	Synchrotron Radiation-Based X-rays Imaging by Dy3+ Doped Silicoborate Glass Scintillator: Fabrication, Optical, Luminescence and Scintillation Performances	Radiation Physics and Chemistry 237 (Dec 2025): 113100	Q1	3.3	Materials Science and Engineering

No.	BL	Author	Title	Source	Q	IF	Field
39	BL1.2: XTM	Intachai, N., Rachniyom, W., Wantana, N., Thanyaphirak, W., Khrongchaiyaphum, F., Sarumaha, C. S., Pakawanit, P., Phoovasawat, C., Kanjanaboos, P., Choodam, K., Kim, H. J., Tariwong, Y., Niamin, H., Kothan, S. and Kaewkhao, J.,	High Quantum Yield Glass Scintillator Based on Ta2O5 and La2O3 in Mixed Glass Former for Synchrotron and Medical X-Rays Imaging Applications	Radiation Physics and Chemistry 238 (Jan 2026): 113113	Q2	3.3	Medical Applications
40	BL1.2: XTM	Jarucha, N., Ruangtaweep, Y., Meejitpaisan, P., Kim, H. J., Boontueng, P., Kobdaj, C., Ritjoho, N., Sanghangthum, T., Valiev, D., Stepanov, S., Pakawanit, P., Phoovasawat, C., Intachai, N., Kothan, S., Minh, P.H., Duong, P. V., Nishikawa, A., Kunikata, T., Kato, T., Yanagida, T. and Kaewkhao, J.	Tb3+ Doped Na2O-CaO-Al2O3-B2O3 Scintillating Glass: Calibration Material for Luminescence Spectrometers and X-ray Imaging Application	Radiation Physics and Chemistry 239 (Feb 2026): 113302	Q2	3.3	Materials Science and Engineering
41	BL1.2: XTM	Kaja, K. R., Hajra, S., Panda, S., Belal, M., Nam, S., Pakawanit, P., Panigrahi, B. K., Khanbareh, H., Bowen, C., Yu, J. and Kim, H. J.	Waste Polyethylene-Coated Fabrics for Dual-Mode Interfaces Triboelectrification for Self-Powered Sensors	Results in Engineering 28 (Dec 2025): 107111	Q1	7.9	Micro Nanotechnology
42	BL1.2: XTM	Kerdmanee, K., Hanpramukkun, N., Charoenwattanasatien, R., Pakawanit , P. and Limsitthichaikoon, S.	Biopolymeric Composite Films of!Hyaluronic Acid and!Gellan Gum for!Localized and!Sustained Azithromycin Delivery in!Periodontal Therapy	AAPS PharmSciTech 27 (2026): 23	Q1	4	Medical Applications
43	BL1.2: XTM	Khanema, P., Laojinda, W., Roiviriya, C. and Manasathien, J.	Calcium Dominance, Ion Regulation, and Metabolic Defenses Underlie Salt Tolerance in the Halophyte Azima Sarmentosa	Plant Biology 14 (Apr 2026): e21162	Q1	3.6	Biological and Life Science
44	BL1.2: XTM	Khongtong, P., Wattana, K., Pattanasiripong, P. P., Phatchan, S., Thubsuang, U. and Khongtong, S.	From porous to buoyant: moisture-barrier mechanism in polymer-treated oil palm trunk for floating applications	Composite Interfaces	Q2	2.4	Materials Science and Engineering
45	BL1.2: XTM	Khrongchaiyaphum, F., Wantana, N., Sarumaha, C. S., Kaewnuam, E., Pakawanit, P., Phoovasawat, C., Kantuptim, P., Yanagida, T., Kim, H. J., Intachai, N., Kothan, S. and Kaewkhao, J.	Ce3+ Doped Borophosphate Scintillating Glass for High Spatial Resolution Synchrotron X-rays Imaging Application	Radiation Physics and Chemistry 237 (Dec 2025): 113093	Q2	3.3	Medical Applications
46	BL1.2: XTM	Khrongchaiyaphum, F., Wantana, N., Ruangtaweep, Y., Chanthima, N., Pakawanit, P., Phoovasawat, C., Kim, H. J., Intachai, N., Kothan, S. and Kaewkhao, J.	Energy transfer of Ce3+/Tb3+ doped in borophosphate glass scintillator for ultra high-resolution synchrotron X-ray imaging	Journal of Luminescence 288 (Dec 2025): 121559	Q2	3.6	Materials Science and Engineering
47	BL1.2: XTM	Khrongchaiyaphum, F., Wantana, N., Pakawanit, P., Phoovasawat, C., Jarucha, N., Boontueng, P., Kobdaj, C., Ritjoho, N., Sanghangthum, T., Valiev, D., Stepanov, S., Chanthima, N., Intachai, Kothan, S., Kim, H. J. and Kaewkhao, J.	Scintillation Responses and X-rays Imaging Application of Dy3+- Doped in Borophosphate Glass	Radiation Physics and Chemistry 239 (Feb 2026): 113368	Q2	3.3	Materials Science and Engineering
48	BL1.2: XTM	Kruangkum, T., Pakawanit, P., Jaiboon, K., Sanguanrut, P., Saedan, S., Sritunyalucksana, K., Thitamadee, S. and Vanichviriyakit, R.	Unlocking the Hidden Anatomy: Synchrotron Micro-Tomography of the Stomach, Midgut, and Organs in Penaeus Vannamei and the Potential Route of Enterocytozoon Hepatopaenaei (EHP) Infection	Cell and Tissue Research	Q1	2.9	Biological and Life Science
49	BL1.2: XTM	Lobregas, M. O., Rangkupan, R., Kuo, H. P., Tu, Y. M. and Klaysom, C.	Dual-Nozzle Electrospinning for Janus Membranes in Membrane Distillation of Highly Saline and Oil-Contaminated Waters	ACS Omega 10 (Oct 2025): 45543-45556	Q1	4.3	Materials Science and Engineering
50	BL1.2: XTM	Ondee, W., Kedkaew, C., Wantana, N., Kaewnuam, E., Khrongchaiyaphum, F., Chanthima, N., Pakawanit, P., Phoovasawat, C., Sangwaranatee, N., Intachai, N., Kothan, S., Kim, H. J. and Kaewkhao, J.	Ce3+ Doped BaO-Gd2O3-P2O5 Glass: New Glass Scintillator for X-rays Detector and Imaging Applications	Radiation Physics and Chemistry 238 (Jan 2026): 113205	Q2	3.3	Materials Science and Engineering
51	BL1.2: XTM	Payungkulanan, K., Tungjai, M., Wantana, N., Chanthima, N., Sarumaha, C.S., Pakawanit, P., Phoovasawat, C., Kanjanaboos, P., Choodam, K., Kim, H. J., Kothan, S. and Kaewkhao, J.	Synchrotron X-ray Imaging Material from High Quantum Yield Sm3+- Doped Li2O−Gd2O3–ZrO2–P2O5 Glass	Radiation Physics and Chemistry 237 (Dec 2025): 113072	Q2	3.3	Materials Science and Engineering
52	BL1.2: XTM	Payungkulanan, K., Tungjai, M., Wantana, N., Chanthima, N., Sarumaha, C. N., Pakawanit, P., Phoovasawat, C., Intachai, N., Kim, H. J., Kothan, S. and Kaewkhao, J.	Dy3+-doped Li2O−Gd2O3 −ZrO2−P2O5 Glass: Scintillation behaviors and Synchrotron X-ray Imaging Application	Journal of Luminescence 288 (Dec 2025): 121514	Q2	3.6	Materials Science and Engineering
53	BL1.2: XTM	Pongampai, S., Chaithaweep, K., Pakawanit, P., Charoonsuk, T., Bongkarn, T., Maluangnont, T., Vittayakorn, W., Hajra, S., Kim, H. J. and Vittayakorn, N.	Kirigami-Engineered “Skeletal Framework” Composite for Ultralow Hysteresis and Highly Stable Strain Sensors	ACS Sustainable Chemistry & Engineering 13 (2025): 20179-20193	Q1	7.31	Materials Science and Engineering
54	BL1.2: XTM	Rachakom, A., Boonsong, P., Pakawanit, P., Chaipisan, K., Siriprapa, P. and Watcharapasorn, A.	An Experimental Study on SnO2/Expanded Perlite Additive in Red Soil for Xray Shielding and Thermal Insulation Applications	Radiation Physics and Chemistry 239 (Feb 2026): 113236	Q2	3.3	Materials Science and Engineering
55	BL1.2: XTM	Rittipakorn, P., Ouyyamwongs, W. and Boonpitak, K.	Innovation of Clockwise Osseodensification Technique for Primary Stability in Dental Implant: a Low-Density Bone Cadaveric Study	Frontiers in Dental Medicine 6 (2025): 1712749	Q1	1.8	Medical Applications
56	BL1.2: XTM	Saengpoe, P., Supasai, W., Amorntep, N., Nilnumpetch, C., Nokkaew, M., Samanjit, W., Treetong, A., Saetang, C., Charoonsuk, T., Pakawanit, P., Chiu, T. W., Sriphan, S., Surawanitkun, C., Siritaratiwat, A. and Vittayakorn, N.	A Self-Powered and Chemically Responsive Triboelectric Nanogenerator Based on Surface Protonation in SrO2 Nanopowder/Graphene Oxide/epoxy Composite for pH Sensing	ACS Applied Nano Materials 8 (Dec 2025): 23171-23185	Q1	5.5	Materials Science and Engineering
57	BL1.2: XTM	Saengsrichan, A., Khemthong, P., Phanthasri, J., Namuangruk, S., Youngjan, S., Phawa, C., Wannapaiboon, S., Pakawanit, P., Sankar, G., Khunphonoi, R. and Khamdahsag, P.	Engineered Thioglycolate-Activated Carbon Composites via Ambient Alcohol Esterification for Enhanced Mercury(II) Adsorption Performance: The Role of Alcohols in Thioglycolic Acid Esterification	Journal of Water Process Engineering 78 (Oct 2025): 108674	Q1	6.7	Environmental Science

No.	BL	Author	Title	Source	Q	IF	Field
58	BL1.2: XTM	Saichompoo, K., Rattanawongwiboon, T., Kingkam, W., Pakawanit, P., Sukkha, U., Onoda, H., Hajra, S., Khanapuram, U. K., Charoonsuk, T. and Vittayakorn, N.	The Y3+ Donor-Doped CCTO (Ca0.95Y0.05Cu3Ti4O12) Dielectric Fillers for Electrical Output Enhancement of Flexible Triboelectric Nanogenerator	Advanced Engineering Materials	Q1	3.3	Materials Science and Engineering
59	BL1.2: XTM	Sahu, M., Hajra, S., Padhan, A. M., Park, K. J., Ro, S., Pakawanit, P., Keum, H. and Kim, H. J.	PDMS/BNT-BKT Composite-Based Triboelectric Nanogenerator for Self-Powered Health Monitoring	ACS Applied Energy Materials 9 (2026): 1029-1037	Q1	5.6	Materials Science and Engineering
60	BL1.2: XTM	Sereerattanakorn, P., Padchasri, J., Pornprasertsuk, R. and Kidkhunthod, P.	A Dual-Function Lithium Borate Glass Ceramics–Copolymer Composite Interlayer for Lithium–Sulfur Batteries	Journal of Alloys and Compounds 1060 (Mar 2026): 187284	Q1	6.3	Materials Science and Engineering
61	BL1.2: XTM	Saowapan, T., Somna, R., Somna, K., Suebsuk, J., Pakawanit, P. and Chindaprasirt, P.	Eco-Friendly Binder for Pavement Applications: Strength and Microstructure Analysis of Geopolymer Made From Fly Ash, Bagasse Ash, and Calcium Carbide Residue	Advances in Materials Science and Engineering	Q2	F21-2.09	Materials Science and Engineering
62	BL1.2: XTM	Siriroj, S., Padchasri, J., Pakawanit, P., Nijapai, P., Sereerattanakorn, P., Luangthanarak, H., Pisitpipathsin, N., Nualchimplee, C. and Kidkhunthod, P.	The Impact of Fillers on Semi-Solid Electrolytes for Li-Ion Battery Applications	Journal of Alloys and Compounds 1048 (Dec 2025): 185337	Q1	6.3	Materials Science and Engineering
63	BL1.2: XTM	Suktep, N., Sae-tang, C., Ukasi, S., Pakawanit, P., Supansomboon, S., Kaewkhao, J., Vittayakorn, W., Maluangnont, T., Chiu, T., Charoonsuk, T. and Vittayakorn, N.	An Architected Silk Fibroin-Lignin Multilayer with Deep-Level Trapping States for High-Output Triboelectric Nanogenerators	Materials Today Nano 33 (Nov 2026): 100724	Q1	8.2	Materials Science and Engineering
64	BL1.2: XTM	Suwanphiphat, S., Yang, J. Y., Chuang, C. H., Kitsawat, V., Siri, S., Li, P. K., Li, C. Y., Alagarsamy, S., Phisalaphong, M. and Liao, Y. C.	Natural Rubber-Based Nanocomposites for Strain and Pressure Sensing in Healthcare Applications	Journal of the Taiwan Institute of Chemical Engineers	Q1	6.3	Materials Science and Engineering
65	BL1.2: XTM	Tangthuam, P., Pipattanachaiyanan, P., Kao-ian, W., Wannapaiboon, S., Pakawanit, P., Wang, Y., Nagao, Y. Suttipong, M. and Kheawhom, S.	Chelation-Buffer Co-Additives Enable Compact Zn Deposition and High-Rate Cycling in Zn−Br2 Hybrid Flow Batteries	ACS Applied Materials & Interfaces 18 (2026): 15747-15763	Q1	8.2	Materials Science and Engineering
66	BL1.2: XTM	Tapanya, M., Kothan, S., Htun, K. T., Wantana, N., Ruangtaweep, Y., Tariwong, Y., Intachai, N., Tungjai, M., Pakawanit, P., Phoovasawat, C., Busayaporn, W., Kim, H. J., Minh, P. H., Sangwaranatee, N. and Kaewkhao, J.	Ce^{3+}-Doped NaCaGdP Scintillating Glasses for Ultra High-Resolution X-ray Synchrotron Tomography Application: Energy Transfer, Concentration and Oxidation State Effect	Journal of Alloys and Compounds	Q1	6.3	Materials Science and Engineering
67	BL1.2: XTM	Tariwong, Y., Kothan, S., Kim, H. J., Quang, N. D., Khan, A., Ton, N. D., Danie, J., Luan, N. T., Wantana, N., Pakawanit, P., Phoovasawat, C., Intachai, N., Kaewjaeng, S., Tungjai, M. and Kaewkhao, J.	Luminescence and Scintillation Behaviors of Sr co-doped CsI(Tl) Crystal Scintillator: Application to Synchrotron and Medical X-rays Imaging	Radiation Physics and Chemistry 239 (Feb 2026): 113235	Q2	3.3	Medical Applications
68	BL1.2: XTM	Tariwong, Y., Pulphol, P., Sangtawesin, T., Seriwattanachai, C., Kanjanaboos, P., Pakawanit, P., Chanlek, N., Charoonsuk, T., Onoda, H., Vittayakorn, N. and Maluangnont, T.	Titanate Nanosheets/Cellulose Composite Showing Improved Crystallinity and Decreased Water Wettability by Gamma-Irradiation	Langmuir 41 (2025): 31569-31579	Q1	3.9	Materials Science and Engineering
69	BL1.2: XTM	Unruan, S., Nuilek, K., Somdee, P., Unruan, M., Nithikarnjanatharn, J., Pakawanit, P., Malasri, K. and Thongsodsang, C.	Characterization of Banana Fiber-Reinforced Bioplastics for Environmentally Friendly Packaging Applications	Applied Science and Engineering Progress 19 (2026): 8035	Q2	2.52	Polymers
70	BL1.2: XTM	Wantana, N., Kaewnuam, E., Khrongchaiyaphum, F., Pakawanit, P., Phoovasawat, C., Chanlek, N., Sangwaranatee, N. W., Intachai, N., Kothan, S., Valiev, D., Stepanov, S., Kim, H. J. and Kaewkhao, J.	Innovative Eu3+-Doped Gadolinium Borogermanate Glass for X-Ray Imaging Scintillator	Radiation Physics and Chemistry 238 (Jan 2026): 113193	Q2	3.3	Materials Science and Engineering
71	BL1.2: XTM	Yonchai, C., Spencer-Jolly, D., Palasak, P., Pakawanit, P., Phatthanakun, R., Kidkhunthod, P., Saito, N. and Kasemchainan, J.	Cellulose Nanofiber–MWCNT Buckypaper Engineered Composite Current Collector/Electrode for Flexible and Long-Lasting Semi-Solid-State Li Batteries	Journal of Alloys and Compounds 1056 (Feb 2026): 186594	Q1	6.3	Materials Science and Engineering
72	BL1.3W: SAXS	Afifah, N., Sarifudin, A., Darniadi, S., Krisanti, E. A., Purwanto, W. W. and Mulia, K.	Impact of Process Parameters and Recycling of Natural Deep Eutectic Solvent on the Physicochemical, Structural, and Gel Characteristics of Glucomannan	Food Biophysics	Q2	3.2	Food and Agricultural Science
73	BL1.3W: SAXS	Akarapoowadol, T., Goh, K. L. and Amornsakchai, T.	Effect of Alkali Treatment on the Mechanical and Structural Properties of Pineapple Leaf Fiber for Epoxy Composite Reinforcement	ACS Omega 11 (2026): 3974-3983	Q1	4.3	Materials Science and Engineering
74	BL1.3W: SAXS	Chang, X., Cao, G., Zhou, X., Kamonsutthipaijit, N., Lu, X., Buangam, P., Tunmee, S., Rittihong, U., li, J., Llorca, J., Tang, Y., Cabot, A.	Closed Nanopores Enhance the Stability of Nitrogen-doped Hard Carbon in Potassium Storage by Buffer Activity Structure	Journal of Materials Chemistry A 13 (2025): 29281-29293	Q1	9.5	Materials Science and Engineering
75	BL1.3W: SAXS	Chang, X., Zhou, X., Buangam, P., Kamonsutthipaijit, N., Tunmee, S. and Cabot, A.	Key Factors Influencing the Plateau Region in N-Doped Hard Carbon for Sodium Storage	EES Batteries 1 (2025): 1583-1595	n/a	n/a	Materials Science and Engineering
76	BL1.3W: SAXS	Chang, X., Zhou, X., Li, J., Yu, A., Buangam, P., Kamonsutthipaijit, N., Tunmee, S. and Cabot, A.	Key Factors Influencing Initial Coulombic Efficiency and Plateau Region in N, P-co-Doped Hard Carbon: Insights from Chemical States and Microstructure	ACS Applied Energy Materials 8 (2025): 15134-15145	Q1	5.5	Materials Science and Engineering
77	BL1.3W: SAXS	Hariyanto, Y. A., Nikmah, A., Subadra, S. T. U. I., Susanto, H., Sunaryono, Nur, H., Soontaranoon, S., Tahir, D., Izzuddin, H. and Taufiq, A.	Constructing Fe3O4/HA/L-ac Hybrid Nanocomposites as Excellent Antimicrobial Agents and Drug Delivery Vehicles	Journal of Biomedical Materials Research Part B: Applied Biomaterials 114 (2026): e70019	Q2	3.4	Medical Applications

No.	BL	Author	Title	Source	Q	IF	Field
78	BL1.3W: SAXS	Jarnthong, M., Wannalak, A., Thongnuanchan, B., Kaesaman, A., Saito, H., Soontaranon, S. and Lopattananon, N.	Unveiling the Impact of Cellulose Nanofiber on the Mechanical Properties and Strain-Induced Crystallization Mechanism of ENR Nanocomposites	Polymer Engineering & Science 65 (2025): 6658-6670	Q2	3.2	Polymers
79	BL1.3W: SAXS	Jariyasakoolroj, P., Phongtamrug, S., Pilasen, P., Limphirat, W. and Chirachanchai, S.	Integrating Disulfide Linkages and Stretching Processes in Thermoplastic Starch/polylactide Blends: A Model Study on Retarding Retrogradation	Polymer Degradation and Stability 247 (May 2026): 111962	Q1	7.4	Polymers
80	BL1.3W: SAXS	Junyusen, T., Junyusen, P., Treeamnuk, T., Moolkaew, P., Sonsomboonsuk, S., Sila, B. and Kamonsutthipaijit, N.	Effects of Storage Conditions on Quality and Stability of Autoclave-Sterilized Ready-to-Eat Germinated Brown Rice	Applied Food Research 5 (Dec 2025): 101195	Q1	6.2	Food and Agricultural Science
81	BL1.3W: SAXS	Kajornprai, T., Rungswang, W., Kaewsuwan, D., Kamonsutthipaijit, N., Suppakarn, N. and Trongsatitkul, T.	Hierarchical Structural Evolutions in Poly(L-lactic acid) upon Heating: Insights into Crystal Transformation and Multiple Melting Behaviors	Polymer 340 (Dec 2025): 129265	Q1	4.5	Polymers
82	BL1.3W: SAXS	Kerdthong, P., Duangphet, S., Soykeabkaew, N., Intatha, U., Kamonsutthipaijit, N. and Tastub S.	Impact of Die Exit Temperature on the Crystalline Orientation and Performance of Polypropylene Battery Separators	Applied Science and Engineering Progress 19 (2026): 7945	Q2	0.341	Materials Science and Engineering
83	BL1.3W: SAXS	Keeratiburana, T., Fu, T., Sarifudin, A., Soontaranon, S. and Blennow, A.	Comparison of Freeze-Thawing and Ice Recrystallization-Thawing on Structural and Physicochemical Properties of Granular Rice Starch	Journal of Food Science and Technology	Q2	3.3	Food and Agricultural Science
84	BL1.3W: SAXS	Kongtaveesombat, S., Torgbo, S., Kamonsutthipaijit, N., Wanikorn, B. and Sukyai, P.	Formulation of Bacterial Cellulose Nanofibrils Incorporated with Xanthone as Functional Green Ingredients for cosmeceutical Products	Scientific Reports 16 (2026): 5530	Q1	3.9	Medical Applications
85	BL1.3W: SAXS	Kongwut, O. and Laohhapaiboon, P.	Three-Dimensional Nanofiber Integration Enhances Radiation Resistance in Protective Gloves: Molecular Mechanisms and Predictive Modeling	Applied Radiation and Isotopes 230 (Apr 2026): 112469	Q2	1.8	Materials Science and Engineering
86	BL1.3W: SAXS	Masa, A., Mesa, N., Soontaranon, S. and Hayeemasae, N.	Feasibility of UtilizingWaste Natural Rubber Gloves as a Primary Rubber Matrix: Aspect of Vulcanization Systems	Sci 8 (2026): 67	n/a	n/a	Polymers
87	BL1.3W: SAXS	Mitcharean, C., Kedsakon, K., Hasdin, O., Busayaporn, W., Chunhakowit, P., Songsrirote, K. and Prayongpan, P.	Fluorescent Poly(vinyl alcohol) Composite Films Incorporating Doped Carbon Dots for Heavy Metal Detection in Smart Packaging Applications	ACS Omega	Q1	4.3	Materials Science and Engineering
88	BL1.3W: SAXS	Muflikhah, Federico, A., Shahab, A. N., Patriati, A., Fatriansyah, J. F., Mursito, A. T., Soontaranon, S., Adilina, I. B., Insani, A. and Dhaneswara, D.	Sonochemically Assisted Synthesis of Geothermal Silica Scaling-Derived Mesoporous Silica as a Green Adsorbent for Bisphenol A	Environmental Science and Pollution Research 32 (2025): 28992-29008	Q1	IF22-5.8	Environmental Science
89	BL1.3W: SAXS	Najmi, M. I., Chusna, N. M., Latifah, E., Zulaikah, S., Taufiq, A., Soontaranon, S. and Sunaryono, S.	Improving the Physical Properties of Mn0.25Fe2.75O4-rGO/Tw80-TiO2/PEG Nanocomposites Phase Change Materials for Thermal Energy Storage Materials	Colloid and Polymer Science	Q2	2.3	Micro Nanotechnology
90	BL1.3W: SAXS	Ninjan, R., Thongnuanchan, B., Salaeh, S., Tulyapitak, T., Thitithammawong, A., Hayeemasae, N., Saiwari, S., Buangam, P. and Lopattananon, N.	Developing Biodegradable Agricultural Films by Combining Modified Natural Rubber With Gelatin	Polymers for Advanced Technologies 37 (Jan 2026): e70512	Q2	3.4	Polymers
91	BL1.3W: SAXS	Phongtamrug, S., Niyomsin, S. and Pilasen, P.	Structural Evolution and Barrier Enhancement of Polylactide-Based Films via Double Bubble Extrusion with Poly(butylene adipate-co-terephthalate) and Thermoplastic Starch	MRS Communications	Q3	2.3	Polymers
92	BL1.3W: SAXS	Pongputthipat, W., Ruksakulpiwat, Y., Ruksakulpiwat, C., Jarukumjorn, K. and Chumsamrong, P.	Biodegradable Mulch Films from Poly(lactic acid)/Natural Rubber/Agro-Waste Biocomposites for Sustainable Agricultural Applications	Polymer Bulletin 83 (2026): 52	Q2	4	Food and Agricultural Science
93	BL1.3W: SAXS	Rungswang, W., Jiamjirangkul, P., Kaewsuwan, D., Soontaranon, S., Rugmai, S. and Pangon, A.	Hierarchical Alignment of Nanophase Separation in TPU/Cellulose Nanocrystal Composite Fibers via Electrospinning: A Pathway to Enhanced Mechanical Performance	Polymer 344 (Jan 2026): 129544	Q1	4.5	Polymers
94	BL1.3W: SAXS	Saknaveeporn, K., Yingkamhaeng, N., Torgbo, S., Kamonsutthipaijit, N., Thumanu, K., Nimchua, T., Watthanasakphuban, N. and Sukyai, P.	Bioconversion of Sugarcane Bagasse into Cellulose and Organic Acid Using Lactiplantibacillus plantarum/Laccase-Mediated Pretreatment	Food Bioprocess Technology 18 (2025): 11015-11030	Q1	5.8	Food and Agricultural Science
95	BL1.3W: SAXS	Tang, B., Zhang, Y., Ji, B., Yu, G., Zheng, Y., Zhou, X., Kamonsutthipaijit, N., Buangam, P., Tunmee, S., Nakajima, H., Rittihong, U., Pan, Q., Zhang, F. and Tang, Y.	Ion-Mediated Carbon Microdomain Engineering Boosting Enhanced Plateau Capacity of Carbon Anode under High Rate Towards High-Performance Sodium Dual-Ion Batteries	Nano-Micro Lett. 18 (2026): 161	Q1	36.3	Materials Science and Engineering
96	BL2.2: TRXAS	Ahmed, A., Khampuanbut, A., Kidkhunthod, P., Limphirat, W., Uyama, H., Okhawilai, M. and Pattananuwat, P.	Tailoring the Mn/Co Ratio in Electrospun Mn-Co Oxide Embedded-Carbon Nanofibers as Cathode for High-Performance \Zinc-Ion Batteries	Materials Science for Energy Technologies 8 (2025): 219-230	Q1	7.22	Materials Science and Engineering
97	BL2.2: TRXAS	Doungdej, K., Numpilai, T., Dolsiririttigul, N., Polsomboon, N., Limphirat, W., Sudsakorn, K., Seubsai, A., Roddecha, S., Chareonpanich, M. and Witoon, T.	Tuning Cu–Support Interactions via Hydroxyethyl Cellulose-Templated Silica for Enhanced Reverse Water-Gas Shift Catalysis	Journal of Environmental Chemical Engineering 13 (Oct 2025): 118913	Q1	7.2	Chemistry

No.	BL	Author	Title	Source	Q	IF	Field
98	BL2.2: TRXAS	Hongmanorom, P., Neraud, A., Styskalik, A., Limphirat, W., Praserthdam, P. and Debecker, D. P.	Metal Oxide-Promoted Mesoporous Silica as Support for Ru-Based CO2 Methanation Catalysts	Applied Catalysis B: Environment and Energy 384 (May 2026): 126142	Q1	21.1	Chemistry
99	BL2.2: TRXAS	Kao-ian, W., Tangthuam, P., Kidkhunthod, P., Limphirat, W., Padchasri, J., Aubert, N., Ciatto, G., In, I., Wu, K. C. W. and Kheawhom, S.	Monitoring Interfacial Dynamics of a Zinc-Ion Battery Cathode Using In Situ Grazing Incidence X-Ray Absorption Spectroscopy: A Case Study of Manganese Dioxide	Small Methods 10 (Feb 2026): e70421	Q1	9.1	Surface, Interface and Thin Films
100	BL2.2: TRXAS	Lakhani, P., Sakdee, R., Ratchahat, S., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Assabumrungrat, S. and Srifa, A.	Engineering Support-Dependent Structures of Co Catalysts on MgO, MgAl, and Al_2O_3 for Selective Transformation of Levulinic Acid to γ-Valerolactone	Fuel Processing Technology 282 (Apr 2026): 108397	Q1	7.7	Chemistry
101	BL2.2: TRXAS	Likitaporn, C., Sukmas, W., Prathumrat, P., Limphirat, W., Qin, J., Chanajaree, R., Osswald, T. A. Faungnawakij, K., Okhawilai, M. and Aumnate, C.	Effective Zinc Anode Protection from In-Situ ZIF-8 on Electrospun Electrolyte Membrane for Zinc-Ion Batteries	Journal of Power Sources 670 (Apr 2026): 239395	Q1	7.9	Materials Science and Engineering
102	BL2.2: TRXAS	Lolupiman, K., Yang, C., Woottapanit, P., Sukmas, W., Limphirat, W., Rodthongkum, N., Zhang, X., He, G. and Qin, J.	Sulfur-Doped Vanadium Oxide for High-Performance and Stable Cathode Material of Zinc-Ion Batteries	Advanced Functional Materials 36 (Mar 2026): e24100	Q1	19	Materials Science and Engineering
103	BL2.2: TRXAS	Maneewong, Y., Lakhani, P., Ratchahat, S., Sakdaronnarong, C., Limphirat, W., Rungtaweevoranit, B., Assabumrungrat, S., Khosukwiwat, K., Choojun, K., Sooknoi, T., Tomishige, K. and Srifa, A.	Design of a Rhenium–Decorated Mesoporous Nickel Phyllosilicate–Derived Ni–Re/MCM-41 Catalyst for Efficient Hydrogenation of Levulinic Acid to γ-Valerolactone	Green Chemistry	Q1	9.2	Chemistry
104	BL2.2: TRXAS	Makdee, A., Siriwong, C., Poosimma, P., Lorwanishpaisarn, N., Poo-arporn, Y., Kidkhunthod, P. and Chanapattharapol, K. C.	Synergistic Effect of Ru–Ni in ZrO2-Supported Catalysts for Robust CO2 Methanation: a Mechanistic and In-Situ Spectroscopic Study	Journal of Catalysis 454 (Feb 2026): 116620	Q1	6.5	Chemistry
105	BL2.2: TRXAS	Osakoo, N., Tawachkultanadilok, P., Loiha, S., Rakngam, I., Keawkumay, C., Poo-arporn, Y., Khemthong, P., Föttinger, K., Prayoonpokarach, S. and Wittayakun, J.	Tuning Co–Co2SiO4 Interfacial Chemistry on SBA-15 for the Reverse Water–Gas Shift Reaction: An Operando TR-XAS and in Situ DRIFTS Study	Catalysis Today 468 (Apr 2026): 115723	Q1	5.3	Chemistry
106	BL2.2: TRXAS	Praikaew, W., Prameswari, J., Ratchahat, S., Chaiwat, W., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Assabumrungrat, S., Lin, Y. C., Choojun, K., Sooknoi, T. and Srifa, A.	Highly Active and Stable Ni–W/SiO2 Catalyst Derived from W Incorporated on Ni Phyllosilicate for Deoxygenation of Triglycerides into Green Biofuel Range Hydrocarbons	Energy Conversion and Management: X 28 (Oct 2025): 101288	Q1	7.6	Chemistry
107	BL2.2: TRXAS	Sakdee, R., Ratchahat, S., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Mahakot, S., Assabumrungrat, S. and Srifa, A.	Systematic Optimization of the Ni-to-Mo Ratio in Bimetallic Ni–Mo_2C Catalysts for Efficient Selective Hydrogenation of Levulinic Acid to γ-Valerolactone	Fuel Processing Technology 276 (Oct 2025): 108276	Q1	7.7	Chemistry
108	BL2.2: TRXAS	Tanalue, N., Likitaporn, C., Prathumrat, P., Limphirat, W., Wongsalam, T., Okhawilai, M. and Potiyaraj, P.	Electrospun Polyacrylonitrile/Bio-Based Polyurethane Composite Membranes Filled with ZIF-8 and MXene as Durable, Thermally Stable, and High-Ionic-Conductivity Separators for Aqueous Zinc-Ion Batteries	Chemical Engineering Journal Advances 25 (Mar 2026): 101035	Q1	7.1	Materials Science and Engineering
109	BL2.2: TRXAS	Tawachkultanadilok, P., Nijpanich, S., Tunsound, V., Chanlek, N., Kidkhunthod, P., Hagio, T., Wittayakun, J., Praserthdam,P. and Poo-arporn, Y.	Operando TR-XAS Investigation of CO_2 Dry Reforming of Ethanol Over Ce-Promoted Cu/LTL Catalysts	Journal of Alloys and Compounds 1050 (Jan 2026): 185758	Q1	6.3	Chemistry
110	BL2.2: TRXAS	Yamchumporn, P., Boonin, K., Yasaka, P., Triamnak, N., Sareein, T., Singsoog, K., Seetawan, T., Limphirat, W. and Kaewkhao, J.	Synthesis and Thermoelectric Characterization of Li–Bi–B–Cu Oxide Glasses Doped with Te4+ Ions	Radiation Physics and Chemistry 237 (Dec 2025): 113135	Q2	3.3	Materials Science and Engineering
111	BL2.2: TRXAS	Yang, C., Woottapanit, P., Hou, Q., Dai, Z., Limphirat, W., Qin, J. and Zhang, X.	Robust Metal-Based Composite Layer Enabling Enhanced Interface Stability for Highly Reversible Zinc Anodes	Journal of Energy Chemistry 117 (Jun 2026): 635-644	Q1	14.9	Materials Science and Engineering
112	BL2.2: TRXAS	Yomthong, K., Makdee, A., Soyphet, A., Saenluang, K., Maineawklang, N., Ittisanronnachai, S., Limphirat, W., Kidkhunthod, P. and Wattanakit, C.	Engineering Ultrafine Cu Nanoparticles Supported on Zeolites via Solvent-Free Inter-Zeolite Transformation for Bioethanol Dehydrogenation	Journal of Materials Chemistry A 14 (2026): 2120-2135	Q1	9.5	Chemistry
113	BL2.2: TRXAS	Zhang, S., Gao, Z., Zhang, D., Lolupiman, K., Limphirat, W., Wu, X., Qin, J. and Cao, J.	Hydrogen Bond Network Induced Interfacial Dipoles Enhance Built-in Electric Fields and Ion Transport in Vanadium Oxide Heterostructures	Energy Storage Materials 86 (Mar 2026): 104969	Q1	20.2	Materials Science and Engineering
114	BL3.1: XPS	Chananil, P., Triosod, S., Phumuen, P., Chanlek, N., Kumnorkaew, P., Klangtakai, P., Srepusharawoot, P., Thongnum, A., Chompoosor, A., Pimanpang, S., Ruttanapun, C. and Amornkitbamrung, V.	Synthesis of ZIF-8 Powders and their Electrochemical Role as a Protective Layer Minimizing Dendrite Formation and Elevating Anode Stability in Zn-Ion Batteries	Journal of Power Sources 658 (2025): 238313	Q1	7.9	Materials Science and Engineering
115	BL3.1: XPS	Chankhanittha, T., Samart, N., Chaloemsawatwong, P., Waracalai, P., Nanan, S., Butburee, T., Jiratanachotikul, A., Punklahan, N., Kalapakdee, S., Yodsin, N., Nijpanich, S., Wannakan, K., Paritmongkol, W. and Khemthong, P.	Synergistic Effect of Zn Single Atoms and g-C3N4 for CO2 Reduction: Mechanistic Insights from DFT and Experiments	Journal of Environmental Chemical Engineering 14 (Jun 2026): 122617	Q1	7.2	Chemistry
116	BL3.1: XPS	Chu, M. W., Chanlek, N., Chen, C. S., Chen, P. Y., Feng, K. C., Tu, C. S., Dee, C. F. and Wei Sea Chang	Coupled Ferroelectric–Photoelectrochemical in Water Reduction Over BiFeO3 Thin Film Heterostructure Modulated by Rare-Earth Doping	Advanced Functional Materials 36 (2026): e16031	Q1	26.8	Surface, Interface and Thin Films

No.	BL	Author	Title	Source	Q	IF	Field
117	BL3.1: XPS	Chu, M. W., Chen, Y. W., Chew, K. H., Chanlek, N., Chen, C. S., Dee, C. F. and Chang, W. S.	Synergistic Role of Facet-Engineered Surface and Ferroelectric Polarization in Photoelectrochemical Water Reduction over Pure BiFeO3 Thin Film	ACS Applied Materials & Interfaces 17 (2025): 46339-46352	Q1	8.2	Surface, Interface and Thin Films
118	BL3.1: XPS	Chinnakutti, K. K., Yun, H., Kheawhom, S., Gao, H., Tapia-Ruiz, N., Kidkhunthod, P., Nijpanich, S., Sawada, Y., Saito, N. and Kasemchainan, J.	From Spent Zinc-Carbon Batteries to Lithium-Ion Batteries: An Eco-Friendly Method to Recycle Graphite	Journal of Energy Storage 134 (Oct 2025): 118244	Q1	9.8	Materials Science and Engineering
119	BL3.1: XPS	Fu, X., Lei, X., Wang, Y., Cui, S., Hu, J., Lang, T., Zhou, X., Tunmee, S., Wannapaiboon, S., Wang, X., Zhong, X. and Xu, B.	Lattice Oxygen Activation Enabled by Fe Doping in Double Perovskite Oxides for Efficient Zinc–Air Batteries	Journal of Materials Chemistry A	Q1	9.5	Chemistry
120	BL3.1: XPS	Gili, M. B. Z., Cabahug, M. L. V., Abrera, G. B., Argayosa, V. B., Jan, S. Q., Phan, M. H., Assawakhajornsak, J., Nakajima, H., Conato, M. T. and Vega, M. M.	Radiolytic Synthesis of Silver-Zeolite Nanocomposites for Long-Term Antibacterial Activity	Microporous and Mesoporous Materials 403 (Mar 2026): 114013	Q1	4.7	Materials Science and Engineering
121	BL3.1: XPS	Jakkrawhad, C., Batchelor-McAuley, C., Nijpanich, S. and Ngamchuea, K.	Competitive Chloride–Thiol Coordination at Copper-Functionalized MIL-100(Fe) for Signal-off Glutathione Detection	Sensors and Actuators B: Chemical 458 (Jul 2026): 139842	Q1	7.7	Medical Applications
122	BL3.1: XPS	Janlon, J., Chatsuwan, N., Kongparakul, S., Ratthiwal, J., Fong, Y. Y., Reubroycharoen, P., Chanlek, N., Tran, T. T. V. and Samart, C.	Highly Stable Ni-based Catalysts Supported on Silica Nanofibers for the Dry Reforming of Methane with CO2-Rich Feedstock	Journal of the Energy Institute 123 (2025): 102313	Q1	6.2	Chemistry
123	BL3.1: XPS	Janthabut, P., Athikaphan, P., Jekrukand, P., Kanjunsi, P., Kongkoed, P., Nijpanich, S., Theerakulpisut, S., Neramittagapong, A. and Neramittagapong, S.	Adsorption of Nickel (II) Ions onto Activated Carbon from Tamarind Seeds for Synthetic Wastewater Treatment: Isotherm, Kinetic, and Thermodynamic Studies	Environmental Challenges 20 (2025): 101243	Q1	6.8	Environmental Science
124	BL3.1: XPS	Khajonrit, J., Sichumsaeng, T., Saenrang, W., Wongprasert, S., Tanapongpisit, N., Pinitsoontorn, S., Kidkhunthod, P., Chanlek, N., Wongjom, P., Phumying, S. and Maensiri, S.	Effect of Ni Doping on the Structural, Magnetic, and Electrochemical Properties of BiMnFe2O6 for Energy Storage Applications	Radiation Physics and Chemistry 237 (Dec 2025): 113050	Q2	3.3	Materials Science and Engineering
125	BL3.1: XPS	Khuncharoen, W., Theekhasuk, N., Rudradawong, C., Voraud, A., Sakdanuphab, R. and Sakulkalavek, A.	Tuning the Thermoelectric Performance of Flexible Copper Selenide Thin Films through Sputtering Pressure and Hybrid Microwave Annealing	Journal of Alloys and Compounds 1041 (Oct 2025): 183742	Q1	6.3	Materials Science and Engineering
126	BL3.1: XPS	Kulawong, S., Kulawong, J., Chanlek, N., Wittayakun, J. and Osakoo, N.	Magnesium Oxide on Activated Carbon with Various Nitrogen Contents as Catalysts for Glucose Isomerization to Fructose	Materials Today Communications 49 (Dec 2025): 114315	Q1	4.5	Chemistry
127	BL3.1: XPS	Leangtanom, P., Wisitsoraat, A., Chanlek, N., Lawan, N., Muangpil, S., Phanichphant, S. and Kruefu, V.	Cu2O-GO/SnO2 Quantum Dots for Selective Ethylene Sensing at PPM to Sub-ppm Levels	Sensors & Actuators: B. Chemical 443 (Nov 2025): 138265	Q1	7.7	Micro Nanotechnology
128	BL3.1: XPS	Li, X., Gou, X., Chanlek, N., Yeoh, K. H., Chang, Y. H. R., Lee, M. K., Chang, L. J. and Goh, B. T.	Engineering Morphology and Crystalline Structure of Nickel Silicide Nanowires for Tunable Magnetism and Conductivity	Materials Science in Semiconductor Processing 206 (May 2026): 110430	Q1	4.6	Micro Nanotechnology
129	BL3.1: XPS	Luangthanrak, H., Padchasri, J., Siriroj, S., Pakawanit, P., Chanlek, N. and Kidkhunthod, P.	Effect of Multi Wall Carbon Nanotubes (MWCNTs)/Carbon Black (CB) Contents on Enhanced Performance of Manganese-Cobalt-Lithium-Borate Glass (Mn, Co)–Li2O–B2O3	Radiation Physics and Chemistry 238 (Jan 2026): 113194	Q2	3.3	Materials Science and Engineering
130	BL3.1: XPS	Mingmuang, Y., Chanlek, N., Srepusharawoot, P. and Thongbai, P.	Superior Dielectric Properties and Stability in TiO2–Based Ceramics: Roles of Intrinsic Defects and Extrinsic Polarization Mechanisms	Ceramics International 51 (Nov 2025): 58410-58419	Q1	5.6	Materials Science and Engineering
131	BL3.1: XPS	Munthala, D., Raman, A., Sonklin, T., Buatip, N., Leuasoongnoen, P., Janphuang, P., Nijpanich, S., Klysubun, W., Chirawatkul, P., Gumma, V. L. P.,. Raju, K. C. J. and Pojprapai, S.	Amorphous to Crystalline Transformation of BCZT Films: a Complex Microstructure Studied by Synchrotron X-rays, Ferro-Electric, and Optical Spectroscopy	Journal of Materials Science: Materials in Electronics 37 (2026): 93	Q2	2.8	Surface, Interface and Thin Films
132	BL3.1: XPS	Nanmong, T., Obrom, W., Yingyuen, W., Jaroenchur, T., Thamthong, P., Wittayakun, J., Prayoonpokarach, S., Tawachkultanadilok, P., Poo-arporn, Y., Wannapaiboon, S., Chanlek, N., Rungtaweevoranit, B., Kosawatthanakun, S., Khemthong, P., Desaulniers, J. P. and Loiha, S.	Synergistic Effects of Fe Species Distribution and Acid Site Balance in Fe/Zeolite Catalysts for 5-HMF Production from Glucose	RSC Advances 16 (Apr 2026): 18591-18611	Q1	4.6	Chemistry
133	BL3.1: XPS	Nukunudompanich, M., Nachaithong, T., Phumuen, P., Wannabut, W., Kunbuala, N., Nijpanich, S., Pattarith, K. and Areerob, Y.	Remodelling Hierarchical NiCo2O4@ZnS Nanorods with Multi-Walled Carbon Nanotubes as a Counter Electrode for Dye-Sensitized Solar Cell Applications	Scientific Reports	Q1	3.9	Micro Nanotechnology
134	BL3.1: XPS	Pengsook, W., Thanachayanont, C., Wahyuni, W. T. and Hasin, P.	Cobalt-Modified Exfoliated Zirconium Phosphate/Histidine-Functionalized Graphene Quantum Dots-Based Electrochemical Biosensor for Promoting Sensitive Detection of Methyl Parathion in Agricultural Foods and Water Bodies Samples	Talanta 296 (Jan 2026): 128403	Q1	5.6	Medical Applications
135	BL3.1: XPS	Pimsri, P., Tabtimtong, N., Athikaphan, P., Tanusilp, S., Chankhanittha, T., Nijpanich, S., Wantala, K. and Suwannaruang, M.	Architectured BaTiO3/TiO2 Heterostructures via In-Situ and Ex-Situ Synthesis Routes: Tuning Interfacial Structures for Enhanced Photocatalytic Performance	Surfaces and Interfaces 85 (Mar 2026): 108661	Q1	6.3	Environmental Science

No.	BL	Author	Title	Source	Q	IF	Field
136	BL3.1: XPS	Pitipuech, N., Takam, N., Sanetuntikul, J., Saejio, A., Poompipatpong, C., Chanunpanich, N., Chanlek, N., Tawachkultanadilok, P. and Ketpang, K.	Autogenic Pressure Derived Fe/FeOx Encapsulated Fe-Nx Doped Carbon as Ultradurable and Superior Oxygen Reduction Reaction Electrocatalyst	Discover Materials	Q1	5.1	Chemistry
137	BL3.1: XPS	Pitipuech, N., Takam, N., Saejio, A., Sanetuntikul, J., Poompipatpong, C., Chanunpanich, N., Chanlek,N., Padchasri, J., Nernprom, K., Shanmugam, S. and Ketpang, K.	Tailoring Electronic Metal-Support Interaction via Metallic Co Encapsulation to Accelerate Oxygen Reduction Kinetics in Single-Atom Co-Nx Catalysts	International Journal of Hydrogen Energy 230 (Apr 2026): 154845	Q1	8.3	Chemistry
138	BL3.1: XPS	Phongsanam, N., Phetduang, S., Nijpanich, S., Tasarin, S., Wannakan, K., Ngamdee, K., Ren, X. K. and Ngeontae, W.	Mannich-Mediated Smartphone Fluorescence Detection of Formaldehyde Using Enhanced Peroxidase-Like Nanozyme-Magnetic Nanoparticle System	Sensors & Actuators: B. Chemical 453 (Apr 2026): 139510	Q1	7.7	Food and Agricultural Science
139	BL3.1: XPS	Phongsanam, N., Sae-Foo, W., Phetduang, S., Putalun, W., Nijpanich, S., Tasarin, S., Srimongkon, P., Ngamdee, K. and Ngeontae, W.	Smartphone-Enabled Magneto-Immunofluorescence Platform for Rapid Isomiroestrol Detection in Plants	Talanta 300 (Apr 2026): 129262	Q1	6.1	Bological and Life Science
140	BL3.1: XPS	Prasertboonyai, K. and Osakoo, N.	Synthesis of Nitrogen-Doped Activated Carbon from Agricultural Wastes of Durian Peel for Cr (VI) Removal from Water	Desalination and Water Treatment 325 (Jan 2026): 101613	Q3	1	Environmental Science
141	BL3.1: XPS	Preedawichitkun, Y., Numwong, N., Chanlek, N., Chung, P., Kumar, R., Wattanakit, C., Prasanseang, W., Promchana, P., Nooto, C., Khenkhom, P., Choojun, K. and Sooknoi, T.	Stabilized PdNanoparticles Encapsulated in MIL-101(Cr) for ChemoselectiveHydrogenation of PolyunsaturatedFAMEs	ChemCatChem 17 (Nov 2025): e00985	Q1	3.9	Materials Science and Engineering
142	BL3.1: XPS	Rattanachai, Y., Chavalekvirat, P., Rintramee, K., Pandech, N., Klinkla, R., Padchasri, J., Siriroj, S., Supruangnet, R., Busayaporn, W., Kidkhunthod, P., Songsiriritthigul, P., Ceolin, D., Iamprasertkun, P. and Saisopa, T.	A structural Study of MoSe2 Nanoflakes Prepared via Liquid Phase Exfoliation: X ray Absorption and Photoemission Study	Radiation Physics and Chemistry 237 (Dec 2025): 113083	Q2	3.3	Materials Science and Engineering
143	BL3.1: XPS	Rawisod, S.,Tran, T. T. V., Samart, C., Guan, G., Reubroycharoen, P., Attanatho, L., Thanmongkhon, Y. and Kongparakul, S.	Carbon Sequestration from High-BOD Wastewater for Efficient Supercapacitor Electrode	Carbon Resources Conversion 9 (Feb 2026): 100341	Q1	7.5	Materials Science and Engineering
144	BL3.1: XPS	Sarumaha, C. S., Kaewnuam, E., Chanlek, N., Chanthima, N., Kothan, S., Intachai, N., Angnanon, A., Kanjanaboos, P., Choodam, K., Kim, H. M. and Kaewkhao, J.	Effect of NaF and KF in Photo and X-ray Induced Luminescence Behaviors of Sm3+-Doped Lithium Oxy-Fluorophosphate Glasses	Journal of Luminescence 287 (Dec 2025): 121499	Q2	3.6	Physics
145	BL3.1: XPS	Seejandee, P., Osakoo, N., Krukkratoke, P., Keawkumay, C., Deekamwong, K., Prayoonpokarach, S. and Wittayakun, J.	Encapsulation of Potassium Carbonates in Collapsed Zeolite Y: A Stable and Reusable Catalyst for Biodiesel Production	Journal of Physics and Chemistry of Solids 211 (Apr 2026): 113462	Q1	4.9	Chemistry
146	BL3.1: XPS	Senamart, N., Poo-arporn, Y., Duangmanee, S., Kamonpha, P. and Poo-arporn, R. P.	Synthesis of Ag/CuO Nanoparticle–Modified Carbon Screen Print Electrode for a Non-Enzymatic Histamine Sensor	Microchemical Journal \g218 (2025): 115492	Q1	5.1	Food and Agricultural Science
147	BL3.1: XPS	Senasu, T. and Nanan, S.	Precursor-Driven Defect Engineering in CdS Photocatalyst: Influence of Sulfur Sources on Structure, Charge Dynamics, and Solar-Light-Driven	Inorganic Chemistry Communications 186 (Apr 2026): 116323	Q1	5.4	Environmental Science
148	BL3.1: XPS	Sereewatthanawut, I., Khajonvittayakul, C., Swadchaipong, N., Tongnan, V., Maneesard, P., Ampairojanawong, R., Makdee, A., Kangsadan, T., Hartley, M. and Hartley, U. W.	Enhanced Catalytic Performance of MnO2 Nanowires for Soot Combustion by Cobalt Incorporation	Materials Advances 6 (2025): 6416-6426	Q1	4.7	Chemistry
149	BL3.1: XPS	Setsuwan, P., Waenthongkham, P., Torboon, K., Ngernyen, Y., Nijpanich, S., Hunt, A. J., Limtragool, O. and Noppawan, P.	Efficient and Green Biginelli Reactions in Palm Oil using a ZnCl2-Impregnated Sulfonated Carbon Catalyst Derived from Corn Cob Waste	Scientific Reports	Q1	3.9	Chemistry
150	BL3.1: XPS	Singh, G., Shrivastav, A., Singhal, C., Roy, S., Roy, S. S., Chaudhuri, S. and Mathur, A.	Ultrasensitive Electrochemical Detection of Tyrosinase Using au Modified Laser-Induced Graphene Nanoelectrodes	Microchemical Journal 221 (Feb 2026): 116857	Q1	5.1	Medical Applications
151	BL3.1: XPS	Srithong, P., Chanlek, N., Srepusharawoot, P., Swatsitang, E. and Thongbai, P.	Anion Engineering of Rutile TiO2 Ceramics via Fluorine Substitution for High–Performance Dielectric Applications	Materials Chemistry and Physics 349 (Feb 2026): 131766	Q1	4.7	Materials Science and Engineering
152	BL3.1: XPS	Sudsawad, K., Somjaijaroen, N., Somdock, N., Sakdanuphab, R., Sakulkalavek, A. and Rudradawong, C.	Sputter-Deposited AlN Coatings for Enhanced Tarnish Resistance and Mechanical Durability of Silver Jewelry	Thin Solid Films 839 (Apr 2026): 140915	Q2	2	Surface, Interface and Thin Films
153	BL3.1: XPS	Sukkha, U., Chanlek, N., Kidkhunthod, P., Kolodiazhnyi, T., Vittayakorn, W. and Vittayakorn, N.	Thermally Induced Phase Transition and Dielectric Relaxation in Lead-Free BaTi0.94Sn0.06O3 Ceramics: Insights from In-Situ XRD and XAS	Radiation Physics and Chemistry 235 (Oct 2025): 112839	Q2	3.3	Materials Science and Engineering
154	BL3.1: XPS	Tariwong, Y., Pulphol, P., Sangtawesin, T., Seriwattanachai, C., Kanjanaboos, P., Pakawanit, P., Chanlek, N., Charoonsuk, T., Onoda, H., Vittayakorn, N. and Maluangnont, T.	Titanate Nanosheets/Cellulose Composite Showing Improved Crystallinity and Decreased Water Wettability by Gamma-Irradiation	Langmuir 41 (2025): 31569-3157	Q1	3.9	Materials Science and Engineering
155	BL3.1: XPS	Tawachkultanadilok, P., Nijpanich, S., Tunsound, V., Chanlek, N., Kidkhunthod, P., Hagio, T., Wittayakun, J., Praserthdam,P. and Poo-arporn, Y.	Operando TR-XAS Investigation of CO_2 Dry Reforming of Ethanol Over Ce-Promoted Cu/LTL Catalysts	Journal of Alloys and Compounds 1050 (Jan 2026): 185758	Q1	6.3	Chemistry

No.	BL	Author	Title	Source	Q	IF	Field
156	BL3.1: XPS	Thanamoon, N., Takesada, M., Chanlek, N., Thongyong, N., Mingmuang, Y., Wongsricha, J., Srepusharawoot, P. and Thongbai, P.	A Guiding Framework for Giant Dielectric Mechanisms in Antimony(V)/Yttrium(III) Co–Doped TiO2: Defect–Cluster Polarization, IBLC, and Interface Effects	Results in Physics 84 (May 2026): 108640	Q1	4.6	Materials Science and Engineering
157	BL3.1: XPS	Teo, P. S., Chiu, W. S., Poon, Y. T., Chia, M. Y., Lee, H. C., Zakaria, R., Khiew, P. S., Chanlek, N., Haw, C. Y., Hamid, M. A. A. and Jani, N. A.	Au/MoS2/TiO2 Photoelectrode: Structural- and Photoelectrochemical-Analysis for Enhanced Water Splitting Application in Producing Hydrogen Gas	Electrochimica Acta 556 (Apr 2026): 148360	Q1	5.6	Materials Science and Engineering
158	BL3.1: XPS	Threerattanakulpron, N., Khongtor, N., Supasitmongkol, S., Serafin, J., Chaemchuen, S. and Klomkliang, N.	Non-Noble Metals Promoted MOF-Derived CuZn Catalysts for Low-Temperature CO2 Hydrogenation to Methanol	Fuel 404 (Jan 2026); 136274	Q1	7.5	Chemistry
159	BL3.1: XPS	Wannakan, K., Nonthing, S., Chankhanittha, T., Phakkhawan, A., Klangtakai, P., Nijpanich, S., Chanlek, N. and Nanan, S.	Sunlight-Driven Detoxification of Tetracycline Antibiotic and Reactive Red Azo Dye by Hydrothermally Grown CdS/Fe2O3 Heterojunction Photocatalyst	Optical Materials 173 (May 2026): 117887	Q1	4.2	Environmental Science
160	BL3.1: XPS	Wannasen, L., Karaphun, A., Maensiri, S. and Swatsitang, E.	Mesoporous Octagonal Microplates Co2−xNixP2O7 (x = 0.00, 0.50,1.00, 1.50, and 2.00) Metal Pyrophosphates for High-Performance Asymmetric Supercapacitors	ACS Omega 10 (2025): 54256-54273	Q1	4.3	Materials Science and Engineering
161	BL3.1: XPS	Wantana, N., Kaewnuam, E., Khrongchaiyaphum, F., Pakawanit, P., Phoovasawat, C., Chanlek, N., Sangwaranatee, N. W., Intachai, N., Kothan, S., Valiev, D., Stepanov, S., Kim, H. J. and Kaewkhao, J.	Innovative Eu3+-Doped Gadolinium Borogermanate Glass for X-Ray Imaging Scintillator	Radiation Physics and Chemistry 238 (Jan 2026): 113193	Q2	3.3	Materials Science and Engineering
162	BL3.1: XPS	Wibowo, A., Khan, M. J., Sawatdee, S., Pornputthapitak, W., Tuntithavornwat, S., Srifa, A., Posoknistakul, P., Pornsuwan, S., Laosiripojana, N., Jiang, Y., Sansanaphongpricha, K. and Sakdaronnarong, C.	Structure–Property Relationships in Saccharide-Derived Carbon Dots: Tuning Oxygen Functionalities and sp2 Domains for Antioxidant Performance	Journal of Colloid and Interface Science 710 (May 2026): 139939	Q1	9.7	Materials Science and Engineering
163	BL3.1: XPS	Wijitsak, J., Boonprab, J., Harding, P., Harding, D. J., Clegg, J. K., Kaewket, K., Jakkrawhad, C., Nijpanich, S., Wannapaiboon, S. and Kaewraung, W.	Redox-Engineered Copper(II) Methylthio-Imidazole Schiff Base Complex for Electrochemical Detection of Creatinine as a Kidney Disease Biomarker	Sensors and Actuators: B. Chemical 445 (Dec 2025): 138590	Q1	7.7	Medical Applications
164	BL3.1: XPS	Wongpratat, U., Phromviyo, N., Wongsricha, J., Srilarueang, S., Chanlek, N., Khamkongkaeo, A. and Thongbai, P.	Enhanced Dielectric Properties of In + Ta Co-Doped TiO2 Ceramics Synthesized via a Green Egg White Route: Low-Temperature Sintering and Microstructural Insights	Sci 7 (2025): 170	Q1	n/a	Materials Science and Engineering
165	BL3.1: XPS	Wongpratat, U., Phromviyo, N., Chanlek, N., Lertvanithphol, T., Horprathum, M., Khamkongkaeo, A. and Thongbai, P.	High–Performance Capacitive Humidity Sensors based on (Sb5+/In3+) Co–Doped TiO2 Ceramics with Low Hysteresis and Rapid Recovery	Journal of Physics and Chemistry of Solids 211 (Apr 2026): 113415	Q1	4.9	Materials Science and Engineering
166	BL3.1: XPS	Wongpratat, U., Banjong, N., Phromviyo, N., Chanlek, N. and Thongbai, P.	Preparation, Phase Evolution, and Microstructural Control for Enhanced Nonlinear Properties in CaCu3Ti4O12/CaTiO3 Ceramics via Tetrabutyl Titanate–Driven Sintering	Journal of Alloys and Compounds 1041 (Oct 2025): 183742	Q1	5.7	Materials Science and Engineering
167	BL3.1: XPS	Wongrat, E., Moonmuang, I., Chanlek, N., Hongsith, N., Pramchu, S. and Choopun, S.	Enhanced Ammonia Gas Sensing Performance of In Situ-Polymerised ZnO/PANI–HCl-Doped Emeraldine Base: Experimental and Theoretical Investigations	Sensors and Actuators: B. Chemical 441 (Oct 2025): 137981	Q1	8	Micro Nanotechnology
168	BL3.1: XPS	Wongrat, E., Sirirak, R., Mangthas, W., Unai, S., Chanlek, N., Chaiworn, P. and Choopun, S.	Au Nanoparticle-Decorated Conducting Polymer/Carbon Hybrid for Room-Temperature Ammonia Sensing via AC Impedance Spectroscopy	Journal of Alloys and Compounds	Q1	6.3	Micro Nanotechnology
169	BL3.1: XPS	Wongsaken, N., Chinnakutti, K. K., Spencer-Jolly, D., Bovornratanaraks, T., Tunghathaithip, N., Nijpanich, S., Sriprachuabwong, C. and Kasemchainan, J.	Biomass-Derived Carbon Electrode for High Capacity and Stable Lithium-Ion Batteries	Journal of Environmental Chemical Engineering 14 (April 2026): 121579	Q1	7.2	Materials Science and Engineering
170	BL3.1: XPS	Yun, H., Chinnakutti, K. K., Noerochim, L., Nijpanich, S., Pornprasertsuk, R., Sawada, Y., Saito, N. and Kasemchainan, J.	Achieving Waste-Valorized Anode Materials for Li-Ion Batteries by Surface Engineering of Recycled Graphite from Spent Zn−C Batteries	ACS Sustainable Chemistry & Engineering 13 (2025): 13908-13919	Q1	7.3	Materials Science and Engineering
171	BL3.2U: PES/PEEM	Chaiyachad, S., Vo, T. P., Jindata, W., Singsen, S., Eknapakul, T., Jaisuk, C., Fevre, P. L., Bertran, F., Lu, D., Huang, Y., Nakajima, H., Liewrian, W., Fongkaew, I., Minar, J. and Meevasana, W.	Emergence of a Bandgap in Nano-Scale Graphite: A Computational and Experimental Study	Applied Surface Science 708 (Nov 2025): 163756	Q1	6.9	Physics
172	BL3.2U: PES/PEEM	Chananonnawathorn, C., Hincheeranan, W., Nakajima, H., Songsiriritthigul, P., Nuntawong, N., Aiempanakit, M., Watcharapasorn, A., He, Y., Meng, G., Horprathum, M. and Aiempanakit, K.	Reactive Co-Sputtered WxTayOz Thin Films with Tailored Electrochromic Performance	Materials Research Bulletin 196 (Mar 2026): 113889	Q1	5.7	Materials Science and Engineering
173	BL3.2U: PES/PEEM	Chang, X., Zhou, X., Buangam, P., Kamonsutthipaijit, N., Tunmee, S. and Cabot, A.	Key Factors Influencing the Plateau Region in N-Doped Hard Carbon for Sodium Storage	EES Batteries 1 (2025): 1583-1595	n/a	n/a	Materials Science and Engineering
174	BL3.2U: PES/PEEM	Chang, X., Zhou, X., Li, J., Yu, A., Buangam, P., Kamonsutthipaijit, N., Tunmee, S. and Cabot, A.	Key Factors Influencing Initial Coulombic Efficiency and Plateau Region in N, P-co-Doped Hard Carbon: Insights from Chemical States and Microstructure	ACS Applied Energy Materials 8 (2025): 11490-11501	Q1	5.5	Materials Science and Engineering

No.	BL	Author	Title	Source	Q	IF	Field
175	BL3.2U: PES/PEEM	Choodam, K. Kamjam, N., Sukpan, N., Seriwattanachai, C., Inna, A., Thant, K. S., Srathongsian, L., Supruangnet, R., Nakajima, H., Kaewprajak, A., Kumnorkaew, P., Wongratanaphisan, D., Ruankham, P., Pakawatpanurut, P. and Kanjanaboos, P.	Economical Perovskite Solar Cell Enabled by Triple Cost-Reduction Strategies	Small Science 6 (2026): e202500451	Q1	8.3	Materials Science and Engineering
176	BL3.2U: PES/PEEM	Kaiyasuan, C., Kongkansarn, J., Waengdongbung, W., Sudyoadsuk, T., Songsiriritthigul, P., Nakajima, H., Promarak, V. and Kongpatpanich, K.	Zeolitic Imidazole Framework as Defect Passivation Layer for Enhanced Electron Injection Efficiency in Organic Light-Emitting Diodes	Small 21 (Nov 2025): e02234	Q1	12.1	Surface, Interface and Thin Films
177	BL3.2U: PES/PEEM	Kamjam, N., Choodam, K., Sukpan, N., Kittikool, T., Seriwattanachai, C., Kamnoedmanee, S., Hu, Y., Supruangnet, R., Nakajima, H., Kaewprajak, A., Kumnorkaew, P., Wongratanaphisan, D., Ruankham, P., Pakawatpanurut, P. and Kanjanaboos, P.	ETL-Free and HTL-Free Perovskite Solar Cell as the Simplified Power Source for Energy-Frugal Indoor IoTs	Results in Engineering	Q1	7.9	Materials Science and Engineering
178	BL3.2U: PES/PEEM	Kanlayapattamapong, T., Pudkon, W., Thongimboon, K., Ruengsuk, A., Seriwattanachai, C., Sukwiboon, T., Kanjanaboos, P., Goubard, F., Bui, T., Sagawa, T., Wongratanaphisan, D. and Ruankham, P.	Single-Step SnO2 Deposition Enabled by Colloidal Engineering with Additive Polyoxyethylene Tridecyl Ether and Carbon Nanodots for Simplified and Effective Perovskite Solar Cells in Low-Light Applications	Journal of Colloid and Interface Science 700 (Dec 2025): 138436	Q1	9.7	Surface, Interface and Thin Films
179	BL3.2U: PES/PEEM	Kamal, S. A. A., Ritikos, R. A., Goh, B. T., Hafiz, S. M., Nakajima, H. and Tunmee, S.	Comparative Study on Nitrogen Doping and Bending Performance of rGO and rGO-PEDOT:PSS for Deformation Sensors	Journal of Materials Science 61 (2026): 3047-3068	Q1	3.9	Materials Science and Engineering
180	BL3.2U: PES/PEEM	Kulawong, S., Kulawong, J., Chanlek, N., Wittayakun, J. and Osakoo, N.	Magnesium Oxide on Activated Carbon with Various Nitrogen Contents as Catalysts for Glucose Isomerization to Fructose	Materials Today Communications 49 (Dec 2025): 114315	Q1	4.5	Chemistry
181	BL3.2U: PES/PEEM	Mas'udah, K. W., Anggoro, D., Nakajima, H., Sapruangnet, R., Astuti, F., Asih, R. and Darminto, D.	Palm Oil Shell-Derived SiO2/Hard-Carbon-Like Nanocomposites for a Potential Application as Dual Carbon Battery Electrode	Biomass and Bioenergy 203 (Dec 2025): 108332	Q1	5.8	Materials Science and Engineering
182	BL3.2U: PES/PEEM	Nakajima, H., Wongpinij, T., Tunmee, S., Horprathum, M., Chaikeeree, T., Lertvanithphol, T., Niibe, M. and Akasaka, H.	Temperature-Dependent Electronic Structures in Diamond-Like Carbon Films Fabricated by Pulsed Plasma Chemical Vapor Deposition with Different Hydrocarbon Sources	Diamond and Related Materials 160 (dec 2025): 113017	Q1	5.1	Materials Science and Engineering
183	BL3.2U: PES/PEEM	Nammahachak, N., Sriondee, M., Eknapakul, T., Rattanachata, A., Nakajima, H., Best, J. P., Meevasana, W., Triamnak, N. and Ratanaphan, S.	Dynamic change in light-regulated hardness in SrTiO3	Applied Physics Letters 127 (Oct 2025): 171602	Q1	3.6	Materials Science and Engineering
184	BL3.2U: PES/PEEM	Nazri, N. A. A., Azis, R. S., Ismail, I., Man, H. C., Kasmuri, N., Nakajima, H., Chanlek, N. and Hanafiah, M. A. K. M.	Colloidal Stability and Cadmium Removal Efficiency of Chitosan-Modified Magnetite Nanoparticles from Mill Scale Waste	International Journal of Biological Macromolecules 339 (Jan 2026): 149736	Q1	8.5	Environmental Science
185	BL3.2U: PES/PEEM	Nuchuay, P., Sriporaya, K., Chananonnawathorn, C., Daniels, T. M., Lertvanithphol, T., Eiamchai, P., Promjantuk, C., Nakajima, H., Horprathum, M. and Limwichean, S.	Influence of Duty Cycle Ratios in HiPIMS with GLAD Techniques on the Preparation of WO3 Nanorod Films for Electrochromic Properties	Radiation Physics and Chemistry 237 (Dec 2025): 113138	Q2	3.3	Surface, Interface and Thin Films
186	BL3.2U: PES/PEEM	Sawatmongkhon, B., Sawatdimongkon, A., Promhuad, P., Wongchang, T., Sukjit, E., Theinnoi, N. and Theinnoi, K.	Advanced Kinetic Analysis of Ag/Al_2O_3-Catalysed Diesel Particulate Matter Oxidation: Multi-Step Modelling and Peak Deconvolution	Thermochimica Acta 756 (Feb 2026): 180201	Q2	3.5	Chemistry
187	BL3.2U: PES/PEEM	Singh, S., Usulor, C. E., Khampa, W., Musikpan, W., Passatorntaschakorn, W., Tipparak, P., Seriwattanachai, C., Nakajima, H., Ngamjarurojana, A., Gardchareon, A., Kanjanaboos, P., Ruankham, P. and Wongratanaphisan, D.	Facile Ethylvanillin Passivation for High-Performance CsFA Perovskite Solar Cells in Variable Lighting Environments	ACS Applied Electronic Materials 7 (2025): 7616-7630	Q1	4.7	Surface, Interface and Thin Films
188	BL3.2U: PES/PEEM	Sriondee, M., Chongsatan, W., Thammaacheep, P., Nunocha, P., Meechob, J., Rattanachata, A., Nakajima, H., Bongkarn,T. and Suriwong, T.	Synergistic Charge Transfer and Oxygen Vacancy in SrTiO3/LaFeO3 Heterojunction Photocatalysts for Enhanced Lignin Decolorization	Journal of Alloys and Compounds 1057 (Mar 2025): 186307	Q1	6.3	Chemistry
189	BL3.2U: PES/PEEM	Tang, B., Zhang, Y., Ji, B., Yu, G., Zheng, Y., Zhou, X., Kamonsutthipaijit, N., Buangam, P., Tunmee, S., Nakajima, H., Rittihong, U., Pan, Q., Zhang, F. and Tang, Y.	Ion-Mediated Carbon Microdomain Engineering Boosting Enhanced Plateau Capacity of Carbon Anode under High Rate Towards High-Performance Sodium Dual-Ion Batteries	Nano-Micro Lett. 18 (2026): 161	Q1	36.3	Materials Science and Engineering
190	BL3.2U: PES/PEEM	Then, M. Y., Sookhakian, M., Goh, B. T., Teridi, M. A. M., Aspanut, Z., Nakajima, H., Chanlek, N. and Alias, Y.	Supercapacitors Based on Ternary Composites of Ceria-Manganese Oxide Nitrogen-Doped Graphene	ACS Applied Nano Materials 8 (2025): 16802-16814	Q1	5.5	Materials Science and Engineering
191	BL3.2U: PES/PEEM	Usulor, C. E., Passatorntaschakorn, W., Khampa, W., Musikpan, W., Tipparak, P., Singh, S., Ogbuagu, I. C., Seriwattanachai, C., Nakajima, H., Ngamjarurojana, A., Gardchareon, A., Kanjanaboos, P., Ruankham, P. and Wongratanaphisan, D.	Multifunctional DIPAI Surface Passivation: Enhancing Efficiency and Stability of Perovskite Solar Cells Across Lighting Conditions	ACS Applied Energy Materials 8 (2025): 11490-11501	Q1	5.5	Surface, Interface and Thin Films
192	BL3.2U: PES/PEEM	Wongthawachnugool, S., Limwichean, S., Lertvanithphol, T., Pattanasettakul, V., Somboonsaksri, P., Nakajima, H., Horprathum, M., Triroj, N. and Jaroenapibal, P.	Reactive Gas-Timing Control for Photo-Responsive TiO2 Slanted Nanorod Films Fabricated by Oblique Angle Magnetron Sputtering	Materials Chemistry and Physics 354 (Apr 2026): 132157	Q1	4.7	Micro Nanotechnology
193	BL3.2U: PES/PEEM	Wu, F., Lei, X. Pan, X., Nie, H., Xiao, Q., Zhou, X., Deng, W., Kidkhunthod, P., Padchasri, J., Tunmee, S., Rittihong, U., Nakajima, H., Wen, J. and Tang, Y.	Synergistic Mechanism of Nanochannels and Chain Migration in Bioinspired Solid-State Gel Electrolytes for Ultrahigh-Rate, Long-Life Flexible Tin-Air Batteries	Angewandte Chemie International Edition	Q1	16.9	Materials Science and Engineering

No.	BL	Author	Title	Source	Q	IF	Field
194	BL4.1: IR	Chio-Srichan, S., Attarataya, J., Phonthongchanthuek, T., Tarawarakarn, P., Srisamut, D., Chantarakorn, C., Saiyasombat, C., Soontaranon, S., Rugmai, S., Songsiriritthigul, P., Moreno, T. and Dumas, P.	Design and Performance of the First Infrared Beamline at Siam Photon Laboratory (SPL) , Thailand	Infrared Physics & Technology 152 (Jan 2026): 106248	Q2	3.4	Physics
195	BL4.1: IR	Indriani, S., Srisakultiew, N., Benjakul, S. Andriani, C., Thumanu, K. Kingwascharapong, P., Sai-ut, S. and Pongsetkul, J.	Molecular Structural Changes of Korat Chicken Meat as Affected by Packaging Conditions During Cold Storage: Correlation to Textural Traits and Sensory Acceptance	Poultry Science 105 (Feb 2026): 106315	Q1	4.2	Food and Agricultural Science
196	BL4.1: IR	Junyusen, P., Taengsopha, P., Labut, K., Chatchavanthatri, N. and Junyusen, T.	Process Development for Producing High-Purity Inulin Powder from Jerusalem Artichokes through Hot Water Extraction, Purification, and Drying	LWT - Food Science and Technology 245 (Apr 2026): 119267	Q1	6.6	Food and Agricultural Science
197	BL4.1: IR	Matphang, S., Aueboonprasert, N., Rattanakam, R., Teanchai, C., Sinthuvanich, C., Attarataya, J., Sonthisathaporn, M. and Akkarachaneeyakorn, K.	Multifunctional Strontium-MOFs-Based Dental Adhesive: Innovation for Enhanced Bonding Performance and Bioactivity	International Journal of Adhesion & Adhesives 144 (Jan 2026): 104189	Q2	3.2	Medical Applications
198	BL4.1: IR	Pongsetkul, J., Watchasit, S., Petcharat, T., Arnold, M., Rajagukguk, Y. V., Kingwascharapong, P., Karnjanapratum, S., Kaewprachu, P., Grossmann, L., Jung, Y. H., Rawdkuen, S. and Sai-Ut, S.	Plant-Based Protein Bioinks with Transglutaminase Crosslinking: 3D Printability and Molecular Insights from NMR and Synchrotron-FTIR	Foods. 15 (Jan 2026): 322	Q1	5.1	Food and Agricultural Science
199	BL4.1: IR	Saknaveeporn, K., Yingkamhaeng, N., Torgbo, S., Kamonsutthipaijit, N., Thumanu, K., Nimchua, T., Watthanasakphuban, N. and Sukyai, P.	Bioconversion of Sugarcane Bagasse into Cellulose and Organic Acid Using Lactiplantibacillus plantarum/Laccase-Mediated Pretreatment	Food Bioprocess Technology 18 (2025): 11015-11030	Q1	5.8	Food and Agricultural Science
200	BL4.1: IR	Thaiwong, N., Keawrangsi, N., Ruenphoklang, S., Kongsuk, M., Phetsuk, N., Vasupen, K., Rabpairee, K., Toommuangpak, W., Sinprachim, T., Lohalaksanadech, S., Nawong, S. and Kachenpukdee, N.	Multi-Scale Structural Analysis and Hierarchical Discrimination of Natural Chitin from Diverse Biological Sources	Trends in Sciences 23 (2026): 12776	Q2	1.33	Materials Science and Engineering
201	BL4.1: IR	Yimrattanabovorn, J., Kanjanapruthipong, K., Wonglertarak, W., Wichitsathian, B., Khowattana, M. and Nawong, S.	Microplastic Removal in Coagulation-Flocculation: Optimization through Chemometric and Morphological Insights	Journal of Ecological Engineering 27 (2026): 277-292	Q2	1.5	Environmental Science
202	BL5.2: XAS	Chankhanittha, T., Yodsin, N., Khemthong, P., Sangkhun, W., Ponchai, J., Punklahan, N., Phanthasri, J., Youngjan, S., Jiratanachotikul, A., Khunphonoi, R., Chuaicham, C., Trakulmututa, J., Sasaki, K., Wannakan, K., Yin, L. and Butburee, T.	In Situ Growth of Amine-Rich g-C3N4 with Carbon Defects for Boosting Visible-Light Photocatalytic CO2 Reduction Performance	ACS Applied Energy Materials	Q1	5.6	Chemistry
203	BL5.2: XAS	Chankhanittha, T., Samart, N., Chaloemsawatwong, P., Waracalai, P., Nanan, S., Butburee, T., Jiratanachotikul, A., Punklahan, N., Kalapakdee, S., Yodsin, N., Nijpanich, S., Wannakan, K., Paritmongkol, W. and Khemthong, P.	Synergistic Effect of Zn Single Atoms and g-C3N4 for CO2 Reduction: Mechanistic Insights from DFT and Experiments	Journal of Environmental Chemical Engineering 14 (Jun 2026): 122617	Q1	7.2	Chemistry
204	BL5.2: XAS	Chinnakutti, K. K., Yun, H., Kheawhom, S., Gao, H., Tapia-Ruiz, N., Kidkhunthod, P., Nijpanich, S., Sawada, Y., Saito, N. and Kasemchainan, J.	From Spent Zinc-Carbon Batteries to Lithium-Ion Batteries: An Eco-Friendly Method to Recycle Graphite	Journal of Energy Storage 134 (Oct 2025): 118244	Q1	9.8	Materials Science and Engineering
205	BL5.2: XAS	Fu, X., Lei, X., Wang, Y., Cui, S., Hu, J., Lang, T., Zhou, X., Tunmee, S., Wannapaiboon, S., Wang, X., Zhong, X. and Xu, B.	Lattice Oxygen Activation Enabled by Fe Doping in Double Perovskite Oxides for Efficient Zinc–Air Batteries	Journal of Materials Chemistry A	Q1	9.5	Chemistry
206	BL5.2: XAS	Hu, J., Li, Z., Lei, X., Wang, Y., Peng, W., Cui, S., Chen, K., Liu, G., Lang, T., Zhu, P., Zhou, X., Tunmee, S., Padchasri, J., Wannapaiboon, S., Wang, X., Yan, L., Zhong, X. and Xu, B.	Rare-Earth Element-Induced Charge Redistribution in High-Entropy Alloys toward Highly Stable Oxygen Evolution Catalysis	ACS Nano	Q1	16.1	Chemistry
207	BL5.2: XAS	Jutimoosik, J., Nunocha, P., Kidkhunthod, P., Suriwong, T. and Bongkarn, T.	Local Structure Analysis of Sr-doped LaFeO3 Perovskite by Synchrotron X-ray Absorption Spectroscopy	Radiation Physics and Chemistry 239 (Feb 2026): 113244	Q2	3.3	Materials Science and Engineering
208	BL5.2: XAS	Khajonrit, J., Sichumsaeng, T., Saenrang, W., Wongprasert, S., Tanapongpisit, N., Pinitsoontorn, S., Kidkhunthod, P., Chanlek, N., Wongjom, P., Phumying, S. and Maensiri, S.	Effect of Ni Doping on the Structural, Magnetic, and Electrochemical Properties of BiMnFe2O6 for Energy Storage Applications	Radiation Physics and Chemistry 237 (Dec 2025): 113050	Q2	3.3	Materials Science and Engineering
209	BL5.2: XAS	Khamlue, R., Chatsiri, P., Sakurada, T., Chotimook, J., Leangtanom, P., Prayongkul, P., Atithep, T., Padchasri, J., Kidkhunthod, P., Vacha, M., Pattanasattayavong, P. and Paritmongkol, P.	Chelation-Driven Dissolution and Single-Crystal Growth of Hybrid Metal Organochalcogenide Semiconductors by Polydentate Amines	Journal of the American Chemical Society 147 (2025): 37242-37254	Q1	15.6	Materials Science and Engineering
210	BL5.2: XAS	Kantha, P., Unruan, M., Tunkasiri, T., Pengpat, K., Sukkha, U., Jaiban, P., Padchasri, J., Siriroj, S. and Kidkhunthod, P. and Pisitpipathsin, N.	Effect of Ba0.93Ca0.04La0.03Sn0.1Ti0.9O3 Addition on Structural and Electrical Properties of Lead-Free 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)TiO3 Piezoelectric Ceramics	Radiation Physics and Chemistry 237 (Dec 2025): 113011	Q2	3.3	Materials Science and Engineering
211	BL5.2: XAS	Kao-ian, W., Tangthuam, P., Kidkhunthod, P., Limphirat, W., Padchasri, J., Aubert, N., Ciatto, G., In, I., Wu, K. C. W. and Kheawhom, S.	Monitoring Interfacial Dynamics of a Zinc-Ion Battery Cathode Using In Situ Grazing Incidence X-Ray Absorption Spectroscopy: A Case Study of Manganese Dioxide	Small Methods 10 (Feb 2026): e70421	Q1	9.1	Surface, Interface and Thin Films
212	BL5.2: XAS	Kumchompoo, J., Yang, J., Padchasri, J., Kidkhunthod, P., Lee, J. T. and Li, C. C.	LiFePO4/Nano-LLZTO Composite Cathodes for Enhanced Performance of Solid-State Lithium Batterie	ACS Applied Materials & Interfaces 18 (2026): 13848-13860	Q1	8.2	Materials Science and Engineering

No.	BL	Author	Title	Source	Q	IF	Field
213	BL5.2: XAS	Latief, F., Arrosyid, B. H., Amalia, R., Fahroji, M., Ghariy, G., Aryanto, D., Fajar, A., Kidkhunthod, P., Suasmoro, S., Pramono, A. W. and Noviyanto, A.	Composition and Annealing Process Influence on Structure, Local Structure, Electrical, and Magnetic Properties of MnFe2O4	The Journal of Physical Chemistry C 129 (2025): 15724-15735	Q1	3.2	Micro Nanotechnology
214	BL5.2: XAS	Makdee, A., Siriwong, C., Poosimma, P., Lorwanishpaisarn, N., Poo-arporn, Y., Kidkhunthod, P. and Chanapattharapol, K. C.	Synergistic Effect of Ru–Ni in ZrO2-Supported Catalysts for Robust CO2 Methanation: a Mechanistic and In-Situ Spectroscopic Study	Journal of Catalysis 454 (Feb 2026): 116620	Q1	6.5	Chemistry
215	BL5.2: XAS	Padchasri, J., Siriroj, S. and Kidkhunthod, P.	Enhanced Capacity and Cyclic Performance of Lithium-Ion Battery Using a Mixture of V2O5 and Lithium Borate Glasses Doped with Manganese, Cobalt, and Nickel as the Cathode Active Material	Radiation Physics and Chemistry 235 (Oct 2025): 112839	Q2	3.3	Materials Science and Engineering
216	BL5.2: XAS	Pitipuech, N., Takam, N., Saejio, A., Sanetuntikul, J., Poompipatpong, C., Chanunpanich, N., Chanlek,N., Padchasri, J., Nernprom, K., Shanmugam, S. and Ketpang, K.	Tailoring Electronic Metal-Support Interaction via Metallic Co Encapsulation to Accelerate Oxygen Reduction Kinetics in Single-Atom Co-Nx Catalysts	International Journal of Hydrogen Energy 230 (Apr 2026): 154845	Q1	8.3	Chemistry
217	BL5.2: XAS	Prasertboonyai, K. and Osakoo, N.	Synthesis of Nitrogen-Doped Activated Carbon from Agricultural Wastes of Durian Peel for Cr (VI) Removal from Water	Radiation Physics and Chemistry 235 (Jan 2026): 101613	Q3	1	Environmental Science
218	BL5.2: XAS	Putjuso, S., Hunyek, A., Nonglek, S. and Putjuso, T.	Breaking the Loss Barrier in CCTO: Sol–Gel Tin Enables High Permittivity with Capacitor-Grade Loss Tangent	Results in Physics 81 (Feb 2026): 108584	Q1	5.04	Materials Science and Engineering
219	BL5.2: XAS	Seejandee, P., Osakoo, N., Krukkratoke, P., Keawkumay, C., Deekamwong, K., Prayoonpokarach, S. and Wittayakun, J.	Encapsulation of Potassium Carbonates in Collapsed Zeolite Y: A Stable and Reusable Catalyst for Biodiesel Production	Journal of Physics and Chemistry of Solids 211 (Apr 2026): 113462	Q1	4.9	Chemistry
220	BL5.2: XAS	Sereerattanakorn, P., Padchasri, J., Pornprasertsuk, R. and Kidkhunthod, P.	A Dual-Function Lithium Borate Glass Ceramics–Copolymer Composite Interlayer for Lithium–Sulfur Batteries	Journal of Alloys and Compounds 1060 (Mar 2026): 187284	Q1	6.3	Materials Science and Engineering
221	BL5.2: XAS	Shin, J., Li, H.-Y., Wu, Y., Park, K., Shin, J. W., Wannapaiboon, S., Limphirat, W., An, J., and Su, P. C.	Reconciling the Stability-Activity Dilemma on Perovskite Oxide Electrode Surfaces with Oxygen-Deficient ZrOx Nanocoatings	ACS Energy Letters 11 (2026): 782-789	Q1	18.9	Materials Science and Engineering
222	BL5.2: XAS	Sim, W. J., Nguyen, M. T. Kao-ian, W., Kidkhunthod, P., Chiu, T. W., Khaewhom, S., Somwangthanaroj, A., Pu, Y. C. and Yonezawa, T.	Stabilisation of Lanthanum Nickelate Electrocatalysts via Pt-doping for High Current Density Rechargeable Zinc-Air Battery	Journal of Materials Chemistry A 14 (Feb 2026): 6479-6492	Q1	9.5	Chemistry
223	BL5.2: XAS	Sriwichai, S., Sakulsermsuk, S., Wetchakun, K., Kidkhunthod, P. and Wetchakun, N.	Promotion of Single-Phase Tetragonal BiVO4 by Y Doping for Improving Photocatalytic Activities	Ceramics International 51 (Nov 2025): 48146-48160	Q1	5.6	Chemistry
224	BL5.2: XAS	Sukkha, U., Chanlek, N., Kidkhunthod, P., Kolodiazhnyi, T., Vittayakorn, W. and Vittayakorn, N.	Thermally Induced Phase Transition and Dielectric Relaxation in Lead-Free BaTi0.94Sn0.06O3 Ceramics: Insights from In-Situ XRD and XAS	Radiation Physics and Chemistry 235 (Oct 2025): 112839	Q2	3.3	Materials Science and Engineering
225	BL5.2: XAS	Suwannaruang, M., Triroj, N., Kaewmaraya,T., Nachaithong, T., Padchasri, J., Kidkhunthod, P., Knijnenburg, J. T. N. and Tanusilp, S.	Exploring the Atomic and Electronic Structures of Low Thermal Conductivity Materials using a Combined XAS and DFT Approach	Radiation Physics and Chemistry 237 (Dec 2025): 113088	Q2	3.3	Materials Science and Engineering
226	BL5.2: XAS	Thammaniphit, C., Santatiwongchai, J., Impeng, S., Khemthong, P., Meesombad, K., Faungnawakij, K., Hanrath, T., Methaapanon, R. and Chakthranont, P.	Spikes Effect: Decoding and Redesigning Pulsed Electrochemical CO2 Reduction for Enhanced C−C Coupling on Oxide-Derived Copper	ACS Catalysis 15 (Oct 2025): 17003-17014	Q1	3.1	Chemistry
227	BL5.2: XAS	Thaweelap, N., Plerdsranoy, P., Thiangviriya, S., Pangon, A., Tanthanuch, W. and Utke, R.	Dehydrogenation Kinetics, Reversibility, and Reaction Mechanisms of Mg-Co-Ni-H	Journal of Alloys and Compounds 1044 (Nov 2025): 184199	Q1	6.3	Materials Science and Engineering
228	BL5.2: XAS	Wu, F., Lei, X. Pan, X., Nie, H., Xiao, Q., Zhou, X., Deng, W., Kidkhunthod, P., Padchasri, J., Tunmee, S., Rittihong, U., Nakajima, H., Wen, J. and Tang, Y.	Synergistic Mechanism of Nanochannels and Chain Migration in Bioinspired Solid-State Gel Electrolytes for Ultrahigh-Rate, Long-Life Flexible Tin-Air Batteries	Angewandte Chemie International Edition	Q1	16.9	Materials Science and Engineering
229	BL5.2: XAS	Yomthong, K., Makdee, A., Soyphet, A., Saenluang, K., Maineawklang, N., Ittisanronnachai, S., Limphirat, W., Kidkhunthod, P. and Wattanakit, C.	Engineering Ultrafine Cu Nanoparticles Supported on Zeolites via Solvent-Free Inter-Zeolite Transformation for Bioethanol Dehydrogenation	Journal of Materials Chemistry A 14 (2026): 2120-2135	Q1	9.5	Chemistry
230	BL5.2: XAS	Yu, M., Wang, Z., Zhao, L., Wang, Y., Kamchompo, S., Liu, K., Wang, J., Padchasri, J., Yuan, S., Fang, Y., Jungsuttiwong, S., Maitarad, P., Kidkhunthod, P., Shi, L., Zhao, D. and Lv, Y.	MXene-Scaffolded Planner Mesoporous Carbon with Homogeneous Electric Field Enabling Uniform and Robust SEI for Ultra-Stable Sodium Storage	Advanced Energy Materials 15 (Dec 2025): e03682	Q1	26	Materials Science and Engineering
231	BL6: DXL	Klinsuk, J., Sunongbua, P., Srisom, K., Janphuang, P. and Lertsiriyothin, W.	Microscale Resonator Antenna Array Design on a Silica-Aerogel Substrate for Surface-Enhanced Raman Scattering in the Detection of Diluted Furfural	ACS Omega 11 (Jan 2026): 797-809	Q1	4.3	Micro Nanotechnology

No.	BL	Author	Title	Source	Q	IF	Field
232	BL6: DXL	Tiskratok, W., Kyawsoewin, M., Thuephut, R., Ketkrathok, K., Leerahakanch, C., Chanwises, P., Jitprasertwong, P., Yamada, M., Egusa, H. and Limraksasin, P.	Matrix Stiffness Drives Aggressive Phenotype in Tongue Squamous Cell Carcinoma via Mechanotransduction–Stromal Signalling	International Dental Journal 76 (Aug 2026): 109581	Q1	3.7	Medical Applications
233	BL7.2: MX	Baser, M. F. H., Salleh, M. A. A. M., Said, R. M., Zakaria, M. F., Zaimi, N. S. M. Wannapaiboon, S., Kamonsuangkasem, K., Tancharakorn, S., Tanthanuch, W. and Mothong, N.	Influence of Indium on Cu6(Sn,In)5 Formation and Microstructure Refinement in Sn-10wt.%Cu Solder Alloy	JOM	Q2	2.3	Materials Science and Engineering
234	BL7.2: MX	Baser, M. F. H., Salleh, M. A. A. M., Said, R. M., Zaimi, N. S. M., Tancharakorn, S., Tanthanuch, W., Mothong, N., Vizureanu, P. and Sandu, A. V.	Effect of Indium on Interfacial Intermetallic Compound (IMC) Growth, Thermal Behaviour and Mechanical Properties of Sn-10Cu-xIn Solder Joints under Multiple Reflow Cycles	Materials Chemistry and Physics 349 (Feb 2026): 131748	Q1	4.7	Materials Science and Engineering
235	BL7.2: MX	Bootkul, D., Intayot, S., Uthaichana, K., Wattanachai, P., Intarasiri, S., Songsiriritthigul, C., Songsiriritthigul, P. and Hauzenberger, C. A.	Reliability of LA-ICP-MS and Synchrotron XANES for Provenance Identification of Rubies	Spectrochimica Acta Part B: Atomic Spectroscopy 232 (Oct 2025): 107271	Q2	3.8	Earth Science and Archeology
236	BL7.2: MX	Cousin, F. E., Hongkailers, S., Pongpimai, K., Saiyasombat, C., Hinchiranan, N., Samec, J. S. M. and Tungasmita, D. N.	Selective Hydrogenation of Fatty Acids to Fatty Alcohols over Bifunctional Ni-Mo-Based Catalyst Supported on Zr-SBA-15	ACS Sustainable Chemistry & Engineering 13 (2025): 21430-21444	Q1	7.3	Chemistry
237	BL7.2: MX	Dai, Z., Zhang, X., Lolupiman, K., Yang, C., Woottapanit, P., Limphirat, W., Wannapaiboon, S., Zhang, X. and Qin, J.	Enhanced Stability of Vanadium-Based Electrode Materials Using Multi-Component Hybrids for High-Performance Zinc-Ion Batteries	ACS Applied Materials & Interfaces 17 (2025): 57059-57069	Q1	8.2	Materials Science and Engineering
238	BL7.2: MX	Hazizi, M. H. Z., Salleh, M. A. A .M., Somidin, F., Zaimi, N. S. M., Nadzri, N. I. M., Kamonsuangkasem, K., Tanthanuch, W., Tancharakorn, S., Mothong, N. and Wannapaiboon, S.	Effect of Indium on Microstructure, Phase Stability, Anisotropic Lattice Behavior and Mechanical Performance of Sn-58Bi Solder Alloy	Journal of Materials Science: Materials in Electronics 36 (2025): 2117	Q2	2.8	Materials Science and Engineering
239	BL7.2: MX	Hu, J., Li, Z., Lei, X., Wang, Y., Peng, W., Cui, S., Chen, K., Liu, G., Lang, T., Zhu, P., Zhou, X., Tunmee, S., Padchasri, J., Wannapaiboon, S., Wang, X., Yan, L., Zhong, X. and Xu, B.	Rare-Earth Element-Induced Charge Redistribution in High-Entropy Alloys toward Highly Stable Oxygen Evolution Catalysis	ACS Nano	Q1	16.1	Chemistry
240	BL7.2: MX	Kaewmuangphet, S., Phowang, P., Saiyasombat, C. and Tungasmita, D. N.	Copper-Loaded KX Zeolite Catalyst for Efficient β-alkylated Dimer Alcohol Formation via Guerbet Reaction of 1-Decanol	Journal of Industrial and Engineering Chemistry	Q1	6	Chemistry
241	BL7.2: MX	Peng, P., Chen, Z., Chen, Q., Li, D., Song, L., Lu, J., Luo, Y., Li, K., Hu, K., Tunmee, S., Kidkhunthod, P., Wannapaiboon, S., Zhen, L., Xu, C. Y. and Pei, Y.	Weakened Interfacial Hybridization Unlocks High-Capacity Operation of Commercial Spinel Cathodes	Advanced Materials	Q1	26.8	Materials Science and Engineering
242	BL7.2: MX	Shin, J., Li, H.-Y., Wu, Y., Park, K., Shin, J. W., Wannapaiboon, S., Limphirat, W., An, J., and Su, P. C.	Reconciling the Stability-Activity Dilemma on Perovskite Oxide Electrode Surfaces with Oxygen-Deficient ZrOx Nanocoatings	ACS Energy Letters 11 (2026): 782-789	Q1	18.9	Materials Science and Engineering
243	BL7.2: MX	Tayraukham, P., Somteds, A., Pipattanachaiyanan, P., Suppaso, C., Kao-ian, W., Nijpanich, S., Loiha, S., Wannapaiboon, S., Suttipong, M., Guo, J., Kheawhom, S. and Unruangsri, J.	In Situ Rapid-Photocured Hydrated Eutectogels for Uniform Zn Plating and Stable Anode in Flexible Zinc-Ion Batteries	Small 22 (Feb 2026): e08702	Q1	12.1	Polymers
244	BL7.2: MX	Zaimi, N. S. M., Salleh, M. A. A. M., Aziz, M. S. A., Nadzri,N. I. M., Hazizi, M. Z., Kamonsuangkasem, K., Tanthanuch, W., Tancharakorn, S., Mothong, N. and Khor , C. Y.	The Effects of Indium on the Microstructural Evolution, Lattice Characteristics, Thermal Stability and Mechanical Performance in Sn-3.0Ag-0.5Cu Solder Alloys	Journal of Materials Science: Materials in Electronics 37 (2026): 218	Q2	2.8	Materials Science and Engineering
245	BL8: XAS	Ahmed, A., Khampuanbut, A., Kidkhunthod, P., Limphirat, W., Uyama, H., Okhawilai, M. and Pattananuwat, P.	Tailoring the Mn/Co Ratio in Electrospun Mn-Co Oxide Embedded-Carbon Nanofibers as Cathode for High-Performance \Zinc-Ion Batteries	Materials Science for Energy Technologies 8 (2025): 219-230	Q1	7.22	Materials Science and Engineering
246	BL8: XAS	Boonchu, P., Kaewmuangphet, S., Saiyasombat, C., Nakajima, K.and Tungasmita, D. N.	Synergistic MoO3 and Sn-Incorporated Faujasite Catalysts for Efficient Ethyl Lactate Production from Biomass	Energy & Fuels 39, 45 (2025): 21937-21952	Q1	5.3	Chemistry
247	BL8: XAS	Cao, J., Rao, X., Zhang, Y., Yang, X., Zhang, D., Lolupiman, K., Limphirat, W. and Qin, J.	Anisotropic Chemical Etching Toward Cavitated and Crystal-Faceted Zinc Anodes with Enhanced Electrochemical Kinetics and Stability	Energy Storage Materials 84 (Jan 2026): 104762	Q1	20.2	Materials Science and Engineering
248	BL8: XAS	Chen, L., Liu, X., Zhao, F., Liu, Y., Yuan, D., Wang, Y., Zhu, Z., Limphirat, W., Pei, Y., Tian, F. Zhang, L.	Electronic Modulationof Fe-N-C by the Coexisted Cu Single-Atoms and FeCu Atomic Clusters on Lignin-Derived Porous Carbon Boosting Bifunctional ORR/OER Electrocatalysis	Nano Micro Small	Q1	12.1	Chemistry
249	BL8: XAS	Dai, Z., Zhang, X., Lolupiman, K., Yang, C., Woottapanit, P., Limphirat, W., Wannapaiboon, S., Zhang, X. and Qin, J.	Enhanced Stability of Vanadium-Based Electrode Materials Using Multi-Component Hybrids for High-Performance Zinc-Ion Batteries	ACS Applied Materials & Interfaces 17 (2025): 57059-57069	Q1	8.2	Materials Science and Engineering
250	BL8: XAS	Damdee, B., Kaewnuam, E., Angnanon, A., Yamanoi, K., Horprathum, M., Intachai, N., Kothan, S., Kirdsiri, K., Sangwaranatee, N., Kim, H.J. and Kaewkhao, J.	Eu3+ / Cu2+ Co-doped Rice Husk Ash Borate glass: A Sustainable Material with Red Luminescence and NIR Shielding	Radiation Physics and Chemistry 238 (Jan 2026): 113154	Q2	3.3	Materials Science and Engineering

No.	BL	Author	Title	Source	Q	IF	Field
251	BL8: XAS	Doungdej, K., Numpilai, T., Dolsiririttigul, N., Polsomboon, N., Limphirat, W., Sudsakorn, K., Seubsai, A., Roddecha, S., Chareonpanich, M. and Witoon, T.	Tuning Cu–Support Interactions via Hydroxyethyl Cellulose-Templated Silica for Enhanced Reverse Water-Gas Shift Catalysis	Journal of Environmental Chemical Engineering 13 (Oct 2025): 118913	Q1	7.2	Chemistry
252	BL8: XAS	Go, W., Senthil, R. A., Cherusseri, J., Kumar, A., Moon, C. J. Limphirat, W., Ubaidullah, M. and Choi, M. Y.	Harnessing Surface-Tuned Ag/Cu Interfaces in Ag/Ag2O/CuO for High-Efficiency Ammonia Synthesis and Co-Electricity Generation in Zn–Nitrate Batteries	Advanced Functional Materials 35 (Nov 2025): e11876	Q1	19	Chemistry
253	BL8: XAS	Gonzalez-Correa, E., Mazumder, M., Kumar, K., Ghosh, S., Senguttuvan, P. and Clement, R. J.	High Voltage Irreversibilities in NASICON Na3+yV2–yMgy(PO4)3 Cathodes	Chemistry of Materials 37 (2025): 6323-6334	Q1	7	Materials Science and Engineering
254	BL8: XAS	Haasler, S., Herzog, S. D., O'Connell, D. W., Wisawapipat, W., Wang, Q., Hupfer, M., Papera, J., Kragh, T., Klamt, A. M. and Reitzel, K.	Evaluation of a Modified Sequential P Extraction Protocol: Quantification of Fe(II)-P as a Separate Phase in Seven Different Freshwater Sediments	Limnol Oceanogr Methods 23 (2025): 765-784	Q1	0.724	Environmental Science
255	BL8: XAS	Huang, C., Zhang, G., Guo, H., Yang, L., Feng, Y., Man, Q., Zhang, Q., Li, C., Du, P., Limphirat, W., Mu, Y. and Zeng, L.	Amorphous Aluminum-Based Oxychloride Superionic Conductors via Cation–Oxygen Coupled Modification for Durable High-Rate All-Solid-State Lithium Batteries	Energy & Environmental Science 19 (2026): 2084-2093	Q1	30.8	Physics
256	BL8: XAS	Jariyasakoolroj, P., Phongtamrug, S., Pilasen, P., Limphirat, W. and Chirachanchai, S.	Integrating Disulfide Linkages and Stretching Processes in Thermoplastic Starch/polylactide Blends: A Model Study on Retarding Retrogradation	Polymer Degradation and Stability 247 (May 2026): 111962	Q1	7.4	Polymers
257	BL8: XAS	Jin, Y., Cao, J., Huang, C., An, X.,Wang, S. and Yang, X.	Dual-Site Functional Orchestration Enables Synergistic Anodic Modulation and Cathodic Mooring for Durable Zinc–Iodine Batteries	Nano-Micro Letters 18 (2026): 301	Q1	36.3	Materials Science and Engineering
258	BL8: XAS	Kaewmala, S., Kamma, N., Sujeera, P., Pornjira, P., Limphirat, W., Prasongthum, N., Nash, J. and Meethong, N.	Linking Local Atomic Structure and Carbon Network Architecture to Electrochemical Performance and Na+ Diffusivity in Na4VMn(PO4)3/C Cathodes	ACS Omega 10 (2025): 49845-49855	Q1	4.3	Materials Science and Engineering
259	BL8: XAS	Kaewmuangphet, S., Phowang, P., Saiyasombat, C. and Tungasmita, D. N.	Copper-Loaded KX Zeolite Catalyst for Efficient β-alkylated Dimer Alcohol Formation via Guerbet Reaction of 1-Decanol	Journal of Industrial and Engineering Chemistry	Q1	6	Chemistry
260	BL8: XAS	Kaewnuam, E., Yonphan, S., Borisut, P., Sarumaha, C. S., Busayaporn, W., Son, Y. J., Kim, S. W., Kim, H. M., Jeong, D. Y., Wantana, N., Minh, P. H., Chaiphaksa, W. and Kaewkhao, J.,	Nd3+ Doped Multicomponent Metal (Gd, Y, Al, Ga)-Oxides Borate Glass for Laser and Optical Amplifier Material	Radiation Physics and Chemistry 238 (Jan 2026): 113206	Q2	3.3	Materials Science and Engineering
261	BL8: XAS	Krabao, P., Pleuksachat, S., Kamma, N., Puarsa, S., Kaewmaraya, T., Kaewmala, S., Limphirat, W. and Meethong, N.	Aluminum Doping Enhances Structural Integrity and Electrochemical Performance in NASICON-Type Cathodes for Sodium-Ion Batteries	Energy Fuels 40 (Jan 2025): 857-864	Q1	5.3	Materials Science and Engineering
262	BL8: XAS	Kulandaivel, T., Gopalakrishnan, M., Limphirat, W., Yu, S. H., Lin, J. Y., Kheawhom, S. Dubas, S. T.	Thermally Engineered Cationic Defects in MOF-Derived Inverse Spinel Al8[Fe16-xMnx]O32 for High-Energy Hybrid Supercapacitors	Journal of Alloys and Compounds 1053 (Feb 2026): 186166	Q1	6.3	Materials Science and Engineering
263	BL8: XAS	Kumar, S., Chinnadurai, D., Handoko, A. D., Ng, M. F., Wu, G., Wang, H., Aabdin,Z., Ghosh, T., Xing, Z., Wang, J., Busayaporn, W., Limphirat, W., Yu, G., She, Z. W.	Aluminum-Magnesium Alloys: A Better Alternative to Using High Purity Al for Reversible Non-Aqueous Aluminum Electrodeposition	Energy Storage Materials	Q1	20.2	Materials Science and Engineering
264	BL8: XAS	Lakhani, P., Kliengklao, K., Pratchayakul, C., Sakdee, R., Ratchahat, S., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Assabumrungrat, S. and Srifa, A.	Unveiling the Role of Ni-Re Catalyst on Diverse Supports for Efficient Hydrogenation of Levulinic Acid to γ-valerolactone under Near Atmospheric H2 Pressure	Biomass and Bioenergy 205 (Feb 2026): 108563	Q1	5.8	Chemistry
265	BL8: XAS	Lee, Y., Rajan, A. P. S., Theerthagiri, J., Kumar, A., Limphirat, W., Min, A. and Choi, M. Y.	Asymmetrically Cu–O–Cu Bridged Dual-Atom Sites on Bio-Functionalized Oxides for Molecular Nitrate Upcycling	Advanced Powder Materials 5 (Oct 2026): 100407	Q1	4.2	Chemistry
266	BL8: XAS	Lee, D. H., Theerthagiri, J., Yodsin, N., Limphirat, W., Jungsuttiwong, S. and Choi, M. Y.	Paradigm for Swift Dual Single-Atom Stabilization on MBene using a CO2 Laser in Trifecta Energy with Ammonia Production	Applied Catalysis B: Environment and Energy 385 (May 2026): 126246	Q1	21.1	Chemistry
267	BL8: XAS	Li, Z., Qiao, X., Zheng, H., Ma, X., Jiang, Y., Li, H., Qiu, L., Wan, H., Cai, J., Limphirat, W., Deng, Y. P., Xiao, B. and Wu, Z.	One-Step Maturation Pathway of Polyanion-Type Na3V2(PO4)3 Towards Scalable Production and High-Performance Na-Ion Pouch Cells	Nano Energy 148 (Feb 2026): 111676	Q1	17.1	Materials Science and Engineering
268	BL8: XAS	Lin, W., Zhou, K., Yang, C., Huang, H., Lan, J., Peng, H., Zheng, S., Jiao, T., Wang, S., Zheng, J., Limphirat, W., Huang, L., Sun, S. G. and Deng, Y. P.	Dynamic Anode/Cathode-Electrolyte Interface Induced through Polymer Evolution for Durable Lithium Metal Batteries	Journal of the American Chemical Society 148 (2026): 7056-7064	Q1	15.7	Materials Science and Engineering
269	BL8: XAS	Lolupiman, K., Yang, C., Woottapanit, P., Sukmas, W., Limphirat, W., Rodthongkum, N., Zhang, X., He, G. and Qin, J.	Sulfur-Doped Vanadium Oxide for High-Performance and Stable Cathode Material of Zinc-Ion Batteries	Advanced Functional Materials 36 (Mar 2026): e24100	Q1	19	Materials Science and Engineering
270	BL8: XAS	Maneewong, Y., Lakhani, P., Ratchahat, S., Sakdaronnarong, C., Limphirat, W., Rungtaweevoranit, B., Assabumrungrat, S., Khosukwiwat, K., Choojun, K., Sooknoi, T., Tomishige, K. and Srifa, A.	Design of a Rhenium–Decorated Mesoporous Nickel Phyllosilicate–Derived Ni–Re/MCM-41 Catalyst for Efficient Hydrogenation of Levulinic Acid to γ-Valerolactone	Green Chemistry	Q1	9.2	Chemistry

No.	BL	Author	Title	Source	Q	IF	Field
271	BL8: XAS	Maneewong, Y., Lakhani, P., Ratchahat, S., Sakdaronnarong, C., Assabumrungrat, S., Limphirat, W., Choojun, K., Sooknoi, T., Tomishige, K. and Srifa, A.	Tailoring Re-Loaded Core-Shell Ni Constructions Embedded in Mesoporous Silica for the Selective Transformation of Levulinic Acid into γ-Valerolactone	Journal of Materials Chemistry A	Q1	9.5	Chemistry
272	BL8: XAS	Mitcharean, C., Kedsakon, K., Hasdin, O., Busayaporn, W., Chunhakowit, P., Songsrirote, K. and Prayongpan, P.	Fluorescent Poly(vinyl alcohol) Composite Films Incorporating Doped Carbon Dots for Heavy Metal Detection in Smart Packaging Applications	ACS Omega	Q1	4.3	Materials Science and Engineering
273	BL8: XAS	Munthala, D., Raman, A., Sonklin, T., Buatip, N., Leuasoongnoen, P., Janphuang, P., Nijpanich, S., Klysubun, W., Chirawatkul, P., Gumma, V. L. P.,. Raju, K. C. J. and Pojprapai, S.	Amorphous to Crystalline Transformation of BCZT Films: a Complex Microstructure Studied by Synchrotron X-rays, Ferro-Electric, and Optical Spectroscopy	Journal of Materials Science: Materials in Electronics 37 (2026): 93	Q2	2.8	Surface, Interface and Thin Films
274	BL8: XAS	Nilmoung, S., Limphirat, W., Mahakot, S. and Ausavasukhi, A.	Sugarcane Bagasse-Derived Activated Carbon/LiFePO4 Composite Nanostructures for Lithium-Ion Battery Applications	Radiation Physics and Chemistry 237 (dec 2025): 113084	Q2	3.3	Materials Science and Engineering
275	BL8: XAS	Numpilai, T., Polsomboon, N., Dolsiririttigul, N., Limphirat, W., Donphai, W., Seubsai, A., Chareonpanich, M. and Witoon, T.	Unraveling Pore-Dependent Metal–Support Interactions in CuO/SiO2 Catalysts for Low-Temperature Reverse Water–Gas Shift Catalysis	Molecular Catalysis 591 (Feb 2026): 115691	Q1	4.9	Chemistry
276	BL8: XAS	Rajan, A. P. S., Theerthagiri, J., Junmon, P., Limphirat, W., Yodsin, N. and Choi, M. Y.	Atomic Precision CoCu Heterodimers with Pseudo-D3h Symmetry Enable Tandem Nitrate Reduction	Advanced Science 13 (Feb 2026): e23909	Q1	14.1	Chemistry
277	BL8: XAS	Rattanachai, Y., Chavalekvirat, P., Rintramee, K., Pandech, N., Klinkla, R., Padchasri, J., Siriroj, S., Supruangnet, R., Busayaporn, W., Kidkhunthod, P., Songsiriritthigul, P., Ceolin, D., Iamprasertkun, P. and Saisopa, T.	A structural Study of MoSe2 Nanoflakes Prepared via Liquid Phase Exfoliation: X ray Absorption and Photoemission Study	Radiation Physics and Chemistry 237 (Dec 2025): 113083	Q2	3.3	Materials Science and Engineering
278	BL8: XAS	Rittidach, T., Kuimalee, S., Bootchanont, A., Porjai,P., Wattanawikkam, C., Noonuruk, R., Ruttakorn, A., Amonpattaratkit, P., Pimsawat, A., Daengsakul, S. and Khamkongkaeo, A.	Structural and Mechanical Properties of Gypsum-Biphasic Calcium Phosphate Biowaste Composites: Role of Composition Ratio	Radiation Physics and Chemistry 236 (Nov 2025): 112881	Q2	3.3	Medical Applications
279	BL8: XAS	Saentho, A., Sricharoenvech, P., Prietzel, J., Klysubun, W. And Wisawapipat, W.	Calcium Speciation and Solubility in Tropical Agricultural Soil Clays	Applied Clay Science 276 (2025): 107912	Q1	5.8	Environmental Science
280	BL8: XAS	Sakdee, R., Ratchahat, S., Sakdaronnarong, C., Koo-amornpattana, W., Limphirat, W., Mahakot, S., Assabumrungrat, S. and Srifa, A.	Systematic Optimization of the Ni-to-Mo Ratio in Bimetallic Ni–Mo_2C Catalysts for Efficient Selective Hydrogenation of Levulinic Acid to γ-Valerolactone	Fuel Processing Technology 276 (Oct 2025): 108276	Q1	7.7	Chemistry
281	BL8: XAS	Sanni, A., Govindarajan, D., Selvaraj, M., Limphirat, W., Tipplook, M., Teshima, K., Sangaraju, S. and Kheawhom, S.	Mechanistically Tailored Ag-Fe3O4@Co3O4 Ternary Nanohybrids on Biomass-Derived Carbon for High-Performance Asymmetric Supercapacitors	Materials Research Bulletin 194 (Feb 2026): 113740	Q1	5.7	Materials Science and Engineering
282	BL8: XAS	Sarumaha, C. S., Kaewnuam, E., Chanthima, N., Busayaporn, W., Minh, P. H., Ruangtaweep, Y., Kothan, S., Intachai, N., Kim, H. J. and Kaewkhao, J.	Effect of Alkali (Na/K) on Erbium-Doped Gadolinium Oxyfluoride Phosphate Glasses for Broadband Optical Amplifiers and Laser Medium Materials	Radiation Physics and Chemistry 238 (Jan 2026): 113169	Q2	3.3	Materials Science and Engineering
283	BL8: XAS	Shaltout, A. A., Ali, S. S., Das, G., Aquilanti, G., Imam, N. G., Almalawi, D. R., Tanthanuch, W., Tancharakorn, S. and Busayaporn, W.	Investigation of the Occurrence and Sources of Calcium (Ca) in Urinary Stones using Synchrotron Radiation Based X-ray Fluorescence and X-ray absorption spectroscopy (XAS)	Analytical Methods 17 (2025): 9870	Q2	2.6	Medical Applications
284	BL8: XAS	Solehudin, M., Wengwirat, K., Promchana, P., Poo-arporn, Y., Limphirat, W., Choojun, K. and Sooknoi, T.	Bifunctional WOx/SiO2 Catalysts for Hydrogen-Free Upgrading of B100 and Bio-Ethylene to SAF and Green Diesel Precursors via Olefin Metathesis and Deoxygenation	Fuel 420 (Sep 2026): 138769	Q1	7.5	Chemistry
285	BL8: XAS	Sudrajat, H., Kusuma, D. S., Prastika, A., Arrohim, K. K. S. and Giandita, E. N.	Improved Co-Generation of Hydrogen and Benzaldehyde over Calcium-Doped Sodium Tantalate Photocatalysts	Journal of The Electrochemical Society 172 (2026): 046505	Q1	3.3	Chemistry
286	BL8: XAS	Tangcharoen, T.	Effect of Nickel and Zinc Contents on the Phase Formation, Magnetism, Local Atomic Structure, and Cation Distribution of Fe–Ni–Zn Trimetallic Oxides	Physics of Metals and Metallography 126 (2025): 1451-1461	Q3	1	Materials Science and Engineering
287	BL8: XAS	Tangcharoen, T.	Role of Ni, Cu, and Zn Contents on Structural, Optical, Magnetic, and Photoluminescence Properties of Al-Fe Intermetallic Powders	Physica Scripta 100 (2025): 125937	Q2	2.6	Materials Science and Engineering
288	BL8: XAS	Tapanya, M., Kothan, S., Htun, K. T., Wantana, N., Ruangtaweep, Y., Tariwong, Y., Intachai, N., Tungjai, M., Pakawanit, P., Phoovasawat, C., Busayaporn, W., Kim, H. J., Minh, P. H., Sangwaranatee, N. and Kaewkhao, J.	Ce^{3+}-Doped NaCaGdP Scintillating Glasses for Ultra High-Resolution X-ray Synchrotron Tomography Application: Energy Transfer, Concentration and Oxidation State Effect	Journal of Alloys and Compounds	Q1	6.3	Materials Science and Engineering
289	BL8: XAS	Thongnoppakhun, N., Amnuaypanich, S., Tharat, B., Suthirakun, S., Kleebmek, T., Busayaporn, W., Patdhanagul, N. and Amnuaypanich, S.	Single-Site Cr(III) Catalyst on Polyethylenimine-Modified Dendritic Mesoporous Silica particles for Efficient Conversion of Glucose to 5-Hydroxymethylfurfural	Fuel 423 (2026): 139244	Q1	7.5	Chemistry

No.	BL	Author	Title	Source	Q	IF	Field
290	BL8: XAS	Wang, J., Chong, P., Limphirat, W., Wang, H., Busayaporn, W., Zhang, L., Seng, D. H. L., Sun, S., Aabdin, Z., Dong, C., Wei, M. and She, Z. W.	Hierarchical Vanadium Sulfide Nanosheets with Expanded Interchain Spacing for High-Performance Sodium-Ion Batteries	Journal of Materials Chemistry A 13 (2025): 30158-30166	Q1	9.5	Materials Science and Engineering
291	BL8: XAS	Wang, J., Tan, X. Y., Ng, M. F., Wu, G.,Yang, G., Ghosh, T., Lim, C. Y. J., Busayaporn, W., Limphirat, W., Kaewsuwan, D., Chinnadurai, D., Xing, Z., Liu, H., Ren, Y., Yan, Q. and She, Z. W.	Hybrid Redox Chemistry in Defective Titanium Polyanion Nanobelt Cathodes for Advanced Magnesium–Ion Batteries	Advanced Functional Materials 36 (Jan 2026): e12519	Q1	19	Materials Science and Engineering
292	BL8: XAS	Wisawapipat, W., Saentho, A., Boontong, I., Sricharoenvech, P., Mahakot, S. and Klysubun, W.	Dominance of 2:1 Clay Minerals in Soil Potassium Across a Weathering Gradient: Insights from XANES Speciation and Sequential Extraction	Soil & Environmental Health 4 (Apr 2026): 100194	Q1	8.04	Food and Agricultural Science
293	BL8: XAS	Yan, K., Wu, B., Mu, Y., Luo, J., Tang, Z., Zhang, Q., Jiang, Y., Zhong, X., Limphirat, W., Yang, Y.,Wei, L. and Zeng, L.	Multiscale Engineering of Ni4Mo/MoO2 Heterointerfaces on N-doped Vertical Graphene for Efficient AEMWE Hydrogen Evolution	Applied Catalysis B: Environment and Energy 387 (Jun 2026): 126457	Q1	21.1	Chemistry
294	BL8: XAS	Zhang, S., Gao, Z., Zhang, D., Lolupiman, K., Limphirat, W., Wu, X., Qin, J. and Cao, J.	Hydrogen Bond Network Induced Interfacial Dipoles Enhance Built-in Electric Fields and Ion Transport in Vanadium Oxide Heterostructures	Energy Storage Materials 86 (Mar 2026): 104969	Q1	20.2	Materials Science and Engineering
295	BL8: XAS	Zhang, D.,Yue, Y., Rao, X., Zhang, D., Limphirat, W., Qin, J., Yang, X. and Cao, J.	Redox-Guided Hydration Engineering of Sodium Vanadate for Ultrastable Aqueous Zinc-Ion Storage	Nano Energy 145 (Dec 2025): 111450	Q1	17.1	Materials Science and Engineering
296	Instrumentation	Phimsen, T., Sumklang, S., Sonsuphap, N., Seegauncha, O., Boonsuya, S., Chitthaisong, S., Prawanta, S., Sunwong, P., Sudmuang, P. and Klysubun, P.	Vacuum System Design and Simulation for Siam Photon Source II: Towards Thailand's Fourth-Generation Synchrotron Light Source	Vacuum 240 (Oct 2025): 114569	Q1	3.9	Physics
297	Laboratory	Ali, Q., Boonsod, T., Boonkerd, K., Pornprasertsuk, R., Limphirat, W. and Taweepreda, W.	A Study of Developing the Structural, Thermal, and Electrochemical Properties of Plasticized Chitosan/ZnO-Based Nanocomposite Polymer Electrolyte Membranes	Next Materials 11 (Apr 2026): 101637	Q1	n/a	Polymers
298	Laboratory	Ali, Q., Boonsod, T., Pornprasertsuk, R., Limphirat, W., Taweepreda, W. and Boonkerd, K.	Role of Hygroscopic Nanofillers and Plasticizer in Enhancing Ionic Transport and Structural Stability of Plasticized Chitosan-Based Nanocomposite Polymer Electrolyte Membranes for Fuel Cells	Materials Chemistry and Physics 354 (Apr 2026): 132212	Q1	4.7	Polymers
299	Laboratory	Boonkong, S., Laosam, P., Luasiri, P., Senanok, P., Tastub, S., Suwanangul, S., Molee, W., Nakharuthai, C., Pinyo, J., Purba, R. A. P. and Sangsawad, P.	From Slaughterhouse Waste to Functional Feed: Pilot-Scale Bovine Blood Hydrolysate Improves Antioxidant Activities and Meat Quality in Slow-Growing Chickens	Food Science of Animal Resources 46 (2026): 39	Q1	3.7	Food and Agricultural Science
300	Laboratory	Choknud, S., Arthanareeswaran, K., Rungsarityotin, W., Beagbandee, C., Sanram, S., Kamonsutthipaijit, N., Mo-mai, P., Lai, R. Y., Suginta, W., Wangkanont, K., Ounjai, P. and Cairns, J. R. K.	Structural Analysis of the Plant Glycoside Hydrolase Family 116 Glucosylceramidase AtGCD3 by Cryogenic Electron Microscopy	International Journal of Biological Macromolecules 350 (Mar 2026): 150988	Q1	8.5	Biological and Life Science
301	Laboratory	Hamzeh, A., Saelee, L., Thumanu, K., Park, J. W. and Yongsawatdigul, J.	Impact of Ultrasound-Assisted Single Washing Process on Tilapia Mince: Biochemical Changes, Structural Modifications, and Gel formation	Ultrasonics Sonochemistry 124 (Jan 2026): 107707	Q1	9.7	Food and Agricultural Science
302	Laboratory	Kachenpukdee, N., Sinprachim, T., Lohalaksanadech, S., Toommuangpak, W., Rabpairee, K., Vasupen, E., Nawong, S. and Thaiwong, N.	Sequential Extraction of Caulerpa Lentillifera and C. Racemosa var. Corynephora: FTIR-Based Phytochemical Characterization, Antioxidant Properties, and Bioaccessibility	Applied Food Research 6 (Jun 2026): 102026	Q1	6.2	Food and Agricultural Science
303	Laboratory	Kanchanapiboon, J., Tuntoaw, S., Poonsatha, S., Maiuthed, A., Rukthong, P., Thumanu, K., Siriwong, S., Thunyaharn, S., Wachisuthon, D., Sakpetch, A. and Chuennangchee, V.	Boesenbergia Rotunda Extract Decreases Biofilm Formation and Host-Pathogen Interaction of Bloodstream-Isolated Candida Albicans by Interfering with Biomolecule Composition and Metabolomics Adaptation	Microbial Pathogenesis 214 (May 2026): 108417	Q1	3.5	Medical Applications
304	Laboratory	Palee, I., Kurisu, F. and Phungsai, P.	Characterizing Disinfection Byproduct Precursors Through Organic Matter Fractionation and Correlation Analysis Using Nontargeted Screening Analysis with Orbitrap Mass Spectrometry	Water Research 288 (Jan 2026): 124566	Q1	12.4	Environmental Science
305	Laboratory	Phosri, S., Tastub, S., Kheawfu, K., Intharuksa, A., Daduang, S., Maddocks, S. E. and and Theansungnoen, T.	Preparation and Characterization of Niosomes Containing Cationic Antimicrobial Peptides WSKK11 and WSRR11	ACS Omega 11 (2026): 8446-8456	Q1	4.3	Medical Applications
306	Laboratory	Phosri, S., Tastub, S., Intharuksa, A., Techarang, T., Srisucharitpanit, K., Hooper, S. E. and Theansungnoen, T.	Therapeutic Potential, Antimicrobial Activity Against Acne-Causing Bacteria, and Modes of Action of WKK10 and WRR10, Novel Cationic Antimicrobial Peptides	Bioorganic Chemistry 165 (Oct 2025): 108965	Q1	4.7	Medical Applications
307	Laboratory	Pocasap, P., Kaimuangpak, K., Phukmee, K., Prawan, A., Kongpetch, S. and Senggunprai, L.	Unveiling the Anticancer Potential and Molecular Mechanisms of Fangchinoline Against Cholangiocarcinoma Using FTIR Microspectroscopy, In Vitro and In Silico Approaches	Integrative Cancer Therapies	Q1	2.8	Biological and Life Science
308	Laboratory	Sintupattanapun, P., Namvichaisirikul, N.,Tongdee, P., Suwannobol, N., Thueng-in, K., Chueadet, A. and Tastub, S.	Efficacy and Safety of the Plook-Fire-Thatu Recipe on Breast Milk Volume and Breast Milk Macronutrient Composition in Postpartum Women: A Randomised Controlled Trial	Complementary Therapies in Medicine 94 (2025): 103255	Q1	3.5	Medical Applications

No.	BL	Author	Title	Source	Q	IF	Field
309	Laboratory	Sornsan, S., Thumanu, K., Siripattarapravat, K., Noisa, P., Pain, B. and Molee, A.	Biochemical Components of Chicken Primordial Germ Cells are Modified by Cryopreservation: Original Analysis by Fourier Transform Infrared (FTIR) Microspectroscopy	Poultry Science 105 (Jun 2026): 106709	Q1	4.2	Biological and Life Science
310	Laboratory	Tepnarong, P., Chio-Srichan , S., Phakdimek, S. and Chitnarin, A.	Rock control on evolution of Khorat Cuesta, Khorat UNESCO Geopark, Northeastern Thailand	Open Geosciences 17 (2025): https://doi.org/10.1515/geo-2025-0896	Q2	1.3	Earth Science and Archeology
311	Laboratory	Trasaktaweesakul, T., Asavaritikrai, P., Talabnin, K., Kongnawakul, D., Tastub, S., Jaturutthaweechot, P., Naewwan, N. and Talabnin, C.	In Vitro Properties of Four Benign Meningioma Cells Derived from WHO Grade 1 Meningiomas	Human Cell	Q2	3.1	Medical Applications
312	Laboratory	Thumanu, K., Khamgasem, T., Sukpong, S., Phatthanakun, R., Puangplruk, R., Tanthanuch, W., Kuaprasert, B., Tastub, S., Rujanakraikarn, R., Tun, S., Saovana, T., Munkongdee, T. and Wongthong, S.	A New Method for Screening Thalassemia Patients Using Mid-Infrared Spectroscopy	Diagnostics 16 (2026): 67	Q1	3.3	Medical Applications
313	Laboratory	Thumanu, K., Wattanavanitchakorn, S., Wansuksri, R., Cael, S., Nawong, S., Pakawanit, P. and Suwannaporn, P.	Infrared Imaging and Multivariate Analysis of Structure, Bioactive Compounds, and Starch Digestibility of Dough and Mature Stages Rice	Journal of Cereal Science 128 (Mar 2026): 104396	Q1	3.7	Food and Agricultural Science
314	Laboratory	Vasupen, E., Toommuangpak, W., Nawong, S., Khotsakde, J., Yuthachit, P., Kachenpukdee, N. and Thaiwong, N.	Extraction Solvent Effects on Banana Blossom Bioactive Compounds: Enhanced Bioaccessibility via Gastrointestinal Digestion	Trends in Sciences 23 (2026): 12055	Q2	0.231	Food and Agricultural Science
315	Laboratory	Vasupen, E., Rabpairee, K., Toommuangpak, W., Sompeerapun, O., Chaiwong, U., Yuthachit, P., Kachenpukdee, N., Nawong, S. and Thaiwong, N.	Fig Leaf Bioactivity and Safety: Temperature Optimization and FTIR Authentication	Food Science & Nutrition 14 (Feb 2026): e71508	Q1	3.8	Food and Agricultural Science
316	MES	Chaiyachad, S., Jindata, W., Kaeowkhamchan, Y., Mooltang, A., Chuewangkam, N., Pinitsoontorn, S., Janphuang, P. and Meevasana, J.	Enhanced and Tunable Ferromagnetism in Periodic-Arrays of CVD-Synthesized Carbon Films	Carbon Trends 23 (Jun 2026): 100622	Q2	3.9	Micro Nanotechnology
317	MES	Klinsuk, J., Sunongbua, P., Srisom, K., Janphuang, P. and Lertsiriyothin, W.	Microscale Resonator Antenna Array Design on a Silica-Aerogel Substrate for Surface-Enhanced Raman Scattering in the Detection of Diluted Furfural	ACS Omega 11 (Jan 2026): 797-809	Q1	4.3	Micro Nanotechnology
318	MES	Sinchangreed, A., Watcharamaisakul, S. and Janphuang, P.	Preparation and Characterization of Zeolite A Synthesized from Narathiwat White Clay	Bulletin of Chemical Reaction Engineering & Catalysis 20 (Oct 2025): 553-559	Q3	1.3	Materials Science and Engineering
319	CSEc	Chotsawat, M., Saiyasombat, C., Busayaporn, W., Sikam, P., Thirayatorn, R., Nachaithong, T., Chankhunthod, N.,Thongbai, P. and Moontragoon, P.	Effect of Nature and Formation of Defects to Optical, Magnetic and Dielectric Properties in Co-doped SrTiO3: DFT and Experiments Approaches	Ceramics International 52 (May 2026): 16652-16662	Q1	5.6	Materials Science and Engineering
320	CSEc	Kotutha, I., Boonkaung, A., Busayaporn, W., Klinkla, R., Nachaithong, T., Waritkraikul, P. and Sailuam, W.	First-Principles Insights Into the Structural, Electronic, and Optical Properties of Ag, Zn, and Ag/Zn Co-Doped Anatase TiO2 for Enhanced Photocatalysis	Micro and Nanostructures 212 (Apr 2026): 208574	Q2	3	Materials Science and Engineering
321	CSEc	Rattanachai, Y., Klinkla, R., Busayaporn, W., Kotutha, I., Waritkraikul, P. and Sailuam, W.	Electronic Structure and Optical properties of RE-doped $GdBO_3$ (RE = Tb3+, Ce3+, Eu3+) for X-Ray Scintillator Applications	Computational Materials Science 269 (May 2026): 114679	Q1	3.3	Micro Nanotechnology
322	CSEc	Waritkraikul, P., Ektarawong, A., Busayaporn, W., Wongjom, P. and Pijitrojana, W.	First-Principles Investigation of Spin-Dependent Thermoelectric Transport and Spin Seebeck in Fe(110)/Co($11\bar{2}0$) Heterostructures	Scientific Reports	Q1	3.9	Physics
323	AI	Lwin, E. H., Mongmonsin, U., Panyakaew, T., Khammanthool, S., Tonkanya, K., Kraiklang, R., Rachawangmuang, P., Chatchawal, P., Wongwattanakul, M., Phatthanakun, R. and Tippayawat, P.	Detection of Narcotic Drugs in Urine Samples Using Attenuated Total Reflectance−Fourier Transform Infrared Spectroscopy and Machine Learning Algorithms	ACS Omega 11 (2026): 5122-5130	Q1	4.3	Medical Applications
324	AI	Phiphattanaphiphop , C., Leksakul , K., Phattanakun , R., Charoenchait , N. and Khamlor, T.	Automatic On-Farm Detection of Mastitis in Raw Cow Milk Using Optical Spectroscopy and Edge Artificial Intelligence	Smart Agricultural Technology	Q1	5.7	Micro Nanotechnology