

Fiscal Year 2026: International Journals

No.	Beamline	Author	Title	Source	Q	IF	Field
1	BL1.1W: MXT	Aupama,V., Yoopensuk, W., <u>Wannapaiboon, S., Pakawanit, P.,</u> Hadsadee, S., Jungsuttiwong, S., Guo, L. J., Wu, T. H., Wu, H. L., Suttipong, M. and Kheawhom, S.	Ion-Coordination-Active UiO-66-SO3H Coating Stabilizes Zn Metal Anodes via Sulfonate-Directed Zn2+ Desolvation	ACS Applied Materials & Interfaces 18 (2026): 33290-33302	Q1	8.2	Materials Science and Engineering
2	BL1.1W: MXT	Baser, M. F. H., Salleh, M. A. A. M., Said, R. M., Zakaria, M. F., Zaimi, N. S. M. <u>Wannapaiboon, S., Kamonsuangkasem, K., Tancharakorn, S., Tanthanuch, W. and Mothong, N.</u>	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
3	BL1.1W: MXT	Chen, J., Xiao, T., Yao, B., Li, M., Zhang, H., Tan, M., Xi, S., Tang, S., Jia, W., Yang, Q., Hao, Z., Zhang, Z., Lim, K. H., Han, X., Zi, X. Wang, Y., Lv, J., He, Q., Wang, Y., Kawi, S. and Ma, X.	Inverse In2O3-x/Ni Interfaces via Ni3InC0.5 Surface Reconstruction for Efficient CO2 Hydrogenation Tomethanol	Nature Communications 16 (2025): 10935	Q1	15.7	Chemistry
4	BL1.1W: MXT	Chotsawat, M., <u>Saiyasombat, C., Busavaporn, W.</u> 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
5	BL1.1W: MXT	Dai, Z., Zhang, X., Lolupiman, K., Yang, C., Woottapanit, P., <u>Limphirat, W., Wannapaiboon, S.</u> , 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
6	BL1.1W: MXT	Deng, C., Xu, H., Zhou, Y., Ayyub, A., Wan, Z., Yuan, W., Yao, Y., <u>Kamonsuangkasem, K.</u> , 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
7	BL1.1W: MXT	Englong, A., Punwong, P., Marchant, R., Jirapinyakul, A., Swangpol, S. C., Chotikarn, P., Pumijumnong, N., <u>Chirawatkul,</u>					

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19	BL1.1W: MXT	Phattrapornpisit, P., Piyanuch, P., Amornkittithaworn, P., Santatiwongchai, J., Impeng, S., <u>Wannapaiboon, S.</u> , 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
20	BL1.1W: MXT	Ponchai, P., Adpakpang, K., Inchongkol, Y., <u>Wannapaiboon, S.</u> and Bureekaew, S.	Tailoring Zn-based Zeolitic Imidazolate Frameworks via Ni Substitution: A Strategy for Enhanced Selective Alcohol Adsorption and Separation	Physical Chemistry Chemical Physics 27 (2025): 20625-20635	Q2	2.9	Materials Science and Engineering
21	BL1.1W: MXT	Pongpitakdamrong, A., Uengarporn, N., <u>Chirawatkul, P.</u> and Kongpuang, M.	Trace Element Imbalances in ADHD: Hair Mineral Profiling via Synchrotron X-ray Fluorescence and Wavelength-Dispersive X-ray Fluorescence	Biological Trace Element Research 204 (2026): 2675–2685	Q1	3.6	Medical Applications
22	BL1.1W: MXT	Prasertpalichat, S., Batra, K., Premwichit, P., Siritanon, T., <u>Wannapaiboon, S.</u> , McQuade, R. R., Cann, D. P. and Koruza, J.	Hardening Effects and High-Power Electromechanical Properties in Ag-doped 0.93(Bi0.5Na0.5)TiO3-0.07BaTiO3 Lead-Free Piezoceramics	Journal of the European Ceramic Society 46 (2026): 118642	Q1	6.2	Materials Science and Engineering
23	BL1.1W: MXT	Ruttakorn, A., Tocho, S., Yimmirun, R., Saisopa, T., Eknapakul, T., <u>Chirawatkul, P.</u> , Noonurak, R. and Bootchanont, A.	The Effects of Zn and Sr Co-Doping on Local Structure, Dielectric Properties, and Bioactivity of Hydroxyapatite Porous Materials	Radiation Physics and Chemistry 236 (Nov 2025): 112928	Q2	3.3	Medical Applications
24	BL1.1W: MXT	Saengsrichan, A., Khemthong, P., Phanthasri, J., Namuangruk, S., Youngjan, S., Phawa, C., <u>Wannapaiboon, S.</u> , <u>Pakawanit, P.</u> , Sankar, G., Khunphonoi, R. and 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
25	BL1.1W: MXT	Sangar, A. S., Putthisigamany, Y., Nazeri, M. F. M., Chelvanathan, P., Jun, T. S., Bednarek, A., <u>Wannapaiboon, S.</u> 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
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