No.	BL	CA:Corresponding Author	Co-author-slri	Author	Title	Source	Quartile	Database	IF2019	Field Res.
1	BL1.1W: MXT	Akhter, Z.		Bashir, A., Shukla, S., Bashir, R., Patidar, R., Bruno, A., Gupta, D., Satti, M. S. and Akhter, Z.	Low Temperature, Solution Processed Spinel NiCo2O4 Nanoparticles as Efficient Hole Transporting Material for Mesoscopic n-i-p Perovskite Solar Cells	Solar Energy 196 (Jan 2020): 367-378	Q1	ISI	4.608	Materials Science and Engineering
2	BL1.1W: MXT	Saiyasombat, C.	Chirawatkul, P., Saiyasombat, C.	Bunnag, N., Kasri, B., Setwong, W., Sirisurawong, E., Chotsawat, M., Chirawatkul, P., Saiyasombat, C.	Study of Fe Ions in Aquamarine and the Effect of Dichroism as seen using UV–Vis, NIR and X-ray	Radiation Physics and Chemistry 177 (Dec 2020): 109107	Q2	ISI	2.226	Earth Science and Archeology and Gemology
3	BL1.1W: MXT	Ngeontae, W.	Saiyasombat, C., Busayaporn, W.	Chaiendoo, K., Ngamdee, K., Limbut, W., Saiyasombat, C., Busayaporn, W., Ittisanronnachai, S., Promarak, V., Promsuwan, P., Thavarungkul, P., Kanatharana, P. and Ngeontae, W.	Gold Nanoparticle-Based Cascade Reaction-Triggered Fluorogenicity for Highly Selective Nitrite Ion Detection in Forensic Samples	Microchemical Journal 168 (Sep 2021) 106470	Q2	ISI	3.594	Chemistry
4	BL1.1W: MXT	Suramitr, S., Hanlumyuang, Y.	Wannapaiboon, S., Sattayaporn, S.	Deeload, W., Wattanathana, W., Jantaratana, P., Prompinit, P., Wannapaiboon, S., Singkammo, S., Sattayaporn, S., Laobuthee, A., Suramitr, S., Hanlumyuang, Y.	A Systematic Variation in Cationic Distribution and its Influence on the Magnetization of Mixed-Metal (nickel and zinc) Cobaltite Spinels	Materials Research Express 7 (2020): 096104	Q2	ISI	1.929	Materials Science and Engineering
5	BL1.1W: MXT	Kawi, S.	Chirawatkul, P.	Hongmanorom, P., Ashok, J., Chirawatkul, P. and Kawi, S.	Interfacial Synergistic Catalysis over Ni Nanoparticles Encapsulated in Mesoporous Ceria for CO2 Methanation	Applied Catalysis B: Environmental 297 (2021): 120454	Q1	ISI	16.683	Chemistry
6	BL1.1W: MXT	Kawi, S.	Chirawatkul, P.	Hu, J., Hongmanorom, P., Chirawatkul, P. and Kawi, S.	Efficient Integration of CO2 Capture and Conversion Over a Ni Supported CeO2-Modified CaO Microsphere at Moderate Temperature	Chemical Engineering Journal 426 (Dec2021): 130864	Q1	ISI	10.652	Materials Science and Engineering
7	BL1.1W: MXT	Ngamchuea, K.	Wannapaiboon, S.	Jankhunthod, S., Moonla, C., Watwiangkham, A., Suthirakun, S., Siritanon, T., Wannapaiboon, S. and Ngamchuea, K.	Understanding Electrochemical and Structural Properties of Copper Hexcyanoferrate: Application in Hydrogen Peroxide Analysis	Electrochimica Acta 394 (Oct 2021): 139147	Q1	ISI	6.215	Chemistry
8	BL1.1W: MXT	Junio, J. B.	Chirawatkul, P.	Junio, J. B., Chirawatkul, P., Conato, M. T. and Mercado, C. C.	Substitution of Ca2+ in Calcite by Sn2+ and Sr2+ Cations Through Ion Exchange Characterized by X-ray Absorption and Photoelectron Spectroscopies	MRS Advances 6 (2021): 342–349	Q3	ISI	0.79	Materials Science and Engineering
9	BL1.1W: MXT	Wantala, K.	Chirawatkul , P., Kamonsuangkasem , K., Chanlek, N.	Kaewbuddee, C., Chirawatkul, P., Kamonsuangkasem, K., Chanlek, N. and Wantala, K.	Structural Characterizations of Copper Incorporated Manganese Oxide OMS-2 Material and Its Efficiencies on Toluene Oxidation	Chemical Engineering Communications (2021): https://doi.org/10.1080/00986445.2021.1872021	Q2	ISI	1.802	Chemistry
10	BL1.1W: MXT	Swatsitang, E.	Chirawatkul , P.	Karaphun, A., Sawadsitang, S., Duangchuen, T., Chirawatkul, P., Putjuso , T., Kumnorkaew, P., Maensiri, S. and Swatsitang, E.	Influence of Calcination Temperature on Structural, Morphological, and Electrochemical Properties of Zn2P2O7 Nanostructure	Surfaces and Interfaces 23 (Apr 2021): 100961	Q1	ISI	3.724	Materials Science and Engineering
11	BL1.1W: MXT	Tanboonchuy, V.		Khamdahsag, P., Yan, D. Y. S., Poompang, P., Supannafai, N. and Tanboonchuy, V.	Continuous Fixed-Bed Column Studies of Arsenite Removal via Oxidation and Adsorption Coprocesses	Journal of Water Process Engineering 42 (2021): 102176	Q1	ISI	3.465	Environmental Science
12	BL1.1W: MXT	Chanlek, N.	Chanlek, N., Chirawatkul, P., Kidkhunthod, P., Rujirawat, S	Khejonrak, A., Chanlek, N., Sukkha, U., Triamnak, N., Chirawatkul, P., Kidkhunthod, P., Suttapun, M., Vittayakorn, N., Manyum, P., Rujirawat, S., Songsiriritthigul, P. and Yimnirun, R.	Effect of Thermal Annealing on the Structure of LiCoO2 Powders Prepared by co-Precipitation Method	Radiation Physics and Chemistry 189 (Dec 2021): 109766	Q2	ISI	2.226	Materials Science and Engineering
13	BL1.1W: MXT	Chansaenpak, K.	Wannapaiboon, S.	Nootem, J., Sattayanon, C., Daengngern, R., Kamkaew, A., Wattanathana, W., Wannapaiboon, S., Rashatasakhon, P. and Chansaenpak, K.	BODIPY-Pyridylhydrazone Probe for Fluorescence Turn-On Detection of Fe3+ and Its Bioimaging Application	Chemosensors 9 (2021): 165	Q2	ISI	3.398	Chemistry
14	BL1.1W: MXT	Chansaenpak, K.	Wannapaiboon, S.	Nootem, J., Daengngern, R., Sattayanon, C., Wattanathana, W., Wannapaiboon, S., Rashatasakhon, P. and Chansaenpak, K.	The Synergy of CHEF and ICT Toward Fluorescence 'Turn-on' Probes Based on Push-Pull Benzothiazoles for Selective Detection of Cu2+ in Acetonitrile/ Water Mixture	Journal of Photochemistry & Photobiology, A: Chemistry 415 (Jun 2021): 113318	Q1	ISI	3.306	Chemistry
15	BL1.1W: MXT	Kobsiriphat, W.	Chirawatkul, P.	Phraewphiphat, T., Promwicha, A., Tammawat, P., Limthongkul, P., Chirawatkul, P. and Kobsiriphat, W.	A Formation Process to Improve the Cycling Stability of Carbon-Coated Li2MnSiO4 Lithium-Ion Cathode Materials	Solid State Ionics 370 (Nov 2021) 115749	Q2	ISI	3.57	Materials Science and Engineering
16	BL1.1W: MXT	Leksakul, K.	Phatthanakun, P., Busayaporn, W., Saiyasombat, C., Phothongkam, P	Phiphatanaphiphop, C., Leksakul, K., Phatthanakun, P., Busayaporn, W., Saiyasombat, C., Phothongkam, P., Rana, Md. M. and Suzuki, H.	Multiwalled Carbon Nanotubes in Microfluidic Chip for the Separation of X- and Y-Sperm Based on a Photolithography Technique	Journal of Microelectromechanical Systems 29 (Oct 2020): 1264-1277	Q1	ISI	2.93	Food and Agriculture Science

17	BL1.1W: MXT	Phung-on, I.	Saiyasombat, C.	Phung-on, I. and Saiyasombat, C.	Semi In-Situ Local Structure Observation during PWHT of Cr-Mo Weldments Extent of the PWHT on Local Structure Changes in Heat Affected Zone Microstructure	Journal of Materials Research and Technology 11 (Mar-Apr 2021): 1123-1134	Q1	ISI	5.289	Materials Science and Engineering
18	BL1.1W: MXT	Kongpatpanich, K.	Chirawatkul, P.	Pila, T., Chirawatkul, P., Piyakeeratikul, P., Somjit, V., Sawangphruk, M. and Kongpatpanich, K.	Metalloporphyrin-Based Metal-Organic Framework on Flexible Carbon Paper for Electrocatalytic Nitrite Oxidation	Chemistry - A European Journal 26 (Dec 2020): 17399-17404	Q1	ISI	4.857	Chemistry
19	BL1.1W: MXT (XAS)	Pluthametwisute, T.	Saiyasombat, C.	Pluthametwisute, T., Wanthanachaisaeng, B., Saiyasombat, C. and Sutthirat, C.	Cause of Color Modification in Tanzanite after Heat Treatment	Molecules 16 (2020): 3743	Q1	ISI	3.267	Earth Science, Archeology and Gemology
20	BL1.1W: MXT	Ceolin, D.	Songsiriritthigul, C., Saiyasombat, C.	Saisopa, T., Klaiphet, K., Songsiriritthigul, P., Pokapanich, W., Tangsukworakhun, S., Songsiriritthigul, C., Saiyasombat, C., Rattanachai, Y., Yuzawa, H., Kosugi, N. and Ceolin, D.	Investigation of Solvated Calcium Dication Structure in Pure Water, Methanol, and Ethanol Solutions by Means of K and L2,3-edges X-Ray Absorption Spectroscopy	Journal of Electron Spectroscopy and Related Phenomena 244 (Oct 2020): 146984	Q2	ISI	1.468	Chemistry
21	BL1.1W: MXT	Loiha, S., Poo-arporn, Y.	Poo-arporn, Y., Tonlublao, S., Limphirat, W., Wannapaiboon, S.	Senamart, N., Loiha, S., Poo-arporn, Y., Tawachkultanadilok, P., Tonlublao, S., Limphirat, W., Duangmanee, S., Kamonpha, P., Wittayakun , J., Osakoo, N., Wannapaiboon, S. and Poo-arporn, R. P.	In-Situ Investigation of Ethanol Steam Reforming on Ni and Cr Doped Ferrites using Combined X-ray Absorption Spectroscopy, Mass Spectrometry, and Gas Chromatography	Radiation Physics and Chemistry 185 (Aug 2021): 109492	Q2	ISI	2.226	Chemistry
22	BL1.1W: MXT	Panpranot, J.	Saiyasombat, C.	Srisakwattana, T.,Watmanee, S., Wannakao, S., Saiyasombat, C., Praserthdam, P. and Panpranot, J.	Comparative Incorporation of Sn and In in Mg(Al)O for the Enhanced Stability of Pt/MgAl(X)O Catalysts in Propane Dehydrog	Applied Catalysis A, General 615 (Apr 2021): 118053	Q1	ISI	5.006	Chemistry
23	BL1.1W: MXT	Boonmak, J.	Wannapaiboon, S.	Suebphanpho, J., Wannapaiboon, S., Youngme, S. and Boonmak, J.	Bifunctional Dinuclear Complexes based on Iminodiacetate and 1,2-di(4-Pyridyl)ethylene: Crystal Structures, Vapochromism, and Iodine Adsorption	Crystal Growth & Design 20 (2020): 7439-7449	Q1	ISI	4.059	Chemistry
24	BL1.1W: MXT	Wannapaiboon, S. and Wattanathana, W.	Wannapaiboon, S.	Suetrong, N., Chansaenpak, K., Impeng, S., Pinyou, P., Blay, V., Blay-Roger, R., Lisnund, S., Kanjanaboos, P., Hanlumyuang, Y., Wannapaiboon, S. and Wattanathana, W.	Influences of Chemical Functionalities on Crystal Structures and Electrochemical Properties of Dihydro-benzoxazine Dimer Derivatives	Crystals 11 (2021): 979	Q2	ISI	2.404	Chemistry
25	BL1.1W: MXT	Tanboonchuy, V.	Wannapaiboon, S	Suwannatrai, S., Yan, D.Y.S., Phanthasri, J., Khamdahsag, P., Wannapaiboon, S., Tanboonchuy, V.	Oxidation-Adsorption of Arsenite Contaminated Water over Ceria Nanorods	Desalination and Water Treatment (2020), 200, 252-261	Q2	ISI	1.320	Environmental Science
26	BL1.1W: MXT	Siritanon, T.	Wannapaiboon, S., Nakajima, H.	Waehayee, A., Pongsawakul, C., Ngoipala, A., Phonsuksawang, P., Jiamprasertboon, A., Wannapaiboon, S., Nakajima, H., Butburee, T., Suthirakun, S. and Siritanon, T.	Promoting Superoxide Generation in Bi2WO6 by Less Electronegative Substitution for Enhanced Photocatalytic Performance: an Example of Te Doping	Catalysis Science & Technology	Q1	ISI	5.721	Chemistry
27	BL1.1W: MXT	Wantala, K.	Chirawatkul, P., Chanlek, N., Wannapaiboon, S., Saiyasombat, C.	Wantala, K., Suwannaruang, T., Palalerd, J., Chirawatkul, P., Chanlek, N., Wannapaiboon, S., Saiyasombat, C. and Khunphonoi, R.	Influence of In-Situ and ex-situ Cu-Fe Doping in K-OMS-2 Catalysts on Dye Degradation via Fenton-Like Reaction with Focus on Catalytic Properties and Performances	Surfaces and Interfaces 23 (Apr 2021): 101030	Q1	ISI	3.724	Chemistry
28	BL1.1W: MXT	Wattanathana, W.	Wannapaiboon, S	Wattanathana, W., Hanlumyuang, Y., Wannapaiboon, S., Chansaenpak, K., Pinyou, P., Nanok, T. and Kanjanaboos, P.	Novel Dihydro-1,3,2H-benzoxazine Derived from Furfurylamine: Crystal Structure, Hirshfeld Surface Analysis, Photophysical Property, and Computational Study	Crystals 11 (2021): 568	Q2	ISI	2.404	Chemistry
29	BL1.1W: MXT	Wattanathana, W., Wannapaiboon, S	Wannapaiboon, S	Wattanathana, W., Suetrong, N., Kongsamai,, P., Chansaenpak, K., Chuanopparat, N., Hanlumyuang, Y., Kanjanaboos, P. and Wannapaiboon, S	Crystallographic and Spectroscopic Investigations on Oxidative Coordination in the Heteroleptic Mononuclear Complex of Cerium and Benzoxazine Dimer	Molecules	Q1	ISI	3.267	Chemistry
30	BL1.1W: MXT	Hanlumyuang, Y.	Wannapaiboon, S	Yaemphutchong, S., Wattanathana, W., Deeloed, W., Panith, P., Wuttisarn, R., Ketruam, B., Singkammo, S., Laobuthee, A., Wannapaiboon, S. and Hanlumyuang, Y.	Characterization, Luminescence and Dye Adsorption Study of Manganese and Samarium Doped and co-doped Zinc Sulfide Phosphors	Optical Materials 107 (2020): 109965	Q1	ISI	2.779	Materials Science and Engineering
31	BL1.2W: XTM	Abdullah, M. M. A. B.,	Chaiprapa, J., Rojviriya, C.	Aziz, I. M., Abdullah, M. M. A. B., Mohd Salleh, M. A. A., Yoriya, S., Chaiprapa, J., Rojviriya, C. and Li, L. Y.	Microstructure and Porosity Evolution of Alkali Activated Slag at Various Heating Temperatures	Journal of Materials Research and Technology 9, 6 (Nov-Dec 2020): 15894-15907	Q1	ISI	5.289	Materials Science and Engineering
32	BL1.2: XTM	Camacho, D. H.	Rojviriya, C.	Bonto, A. P., Tiozon, R. N., Rojviriya, C., Sreenivasulu, N. and Camacho, D. H.	Sonication Increases the Porosity of Uncooked Rice Kernels Affording Softer Textural Properties, Loss of Intrinsic Nutrients and Increased Uptake Capacity During Fortification	Ultrasonics Sonochemistry 68 (Nov 2020): 105534	Q1	ISI	6.513	Food and Agriculture Science

33	BL1.2: XTM	Won-in, K.	Tancharakorn, S., Pakawanit, P.,Thumanu, K.	Boonruang, C., Won-in, K., Tancharakorn, S., Pakawanit, P.,Thumanu, K. and Dararutana, P.	Synchrotron Radiation Study on Ancient Burnt Rice Found at Archaeological Sites in Thailand	Chiang Mai Journal of Science	Q4	ISI	0.325	Food and Agriculture Science
34	BL1.2: XTM	Vittayakorn, N.	Pakawanit, P.	Charoonsuk, T., Pongampai, S., Pakawanit, P. and Vittayakorn, N.	Achieving a Highly Efficient Chitosan-based Triboelectric Nanogenerator via Adding Organic Proteins: Influence of Morphology and Molecular Structure	Nano Energy 89 (Nov 2021): 106430	Q1	ISI	16.602	Biological and Life Science
35	BL1.2: XTM	Junyusen, T.	Pakawanit, P.	Chatchavanthatri, N., Junyusen, T., Arjharn, W., Treeamnuk, T., Junyusen, P. and Pakawanit, P.	Effects of Parboiling and Infrared Radiation Drying on the Quality of Germinated Brown Rice	Journal of Food Processing and Preservation	Q2	ISI	1.405	Food and Agriculture Science
36	BL1.2: XTM	Ngamcharussrivichai, C.	Rojviriya, C., Pakawanit, P.	Jindapon , W., Ashokkumar, V., Rashid, U., Rojviriya, C., Pakawani, P. and Ngamcharussrivichai, C.	Production of Biodiesel Over Waste Seashell-Derived Active and Stable Extrudate Catalysts in a Fixed-Bed Reactor	Environmental Technology & Innovation 20 (Nov 2020): 101051	Q1	ISI	3.356	Materials Science and Engineering
37	BL1.2W: XTM	Kongparakul, K.	Chanlek, N., Pakawanit, P.	Kettum, W., Samart, C., Chanlek, N., Pakawanit, P., Reubroycharoen, P., Guan, G., Kongparakul, S. and Kiatkamjornwong, S.	Enhanced Adsorptive Composite Foams for Copper (II) Removal Utilising Bio-Renewable Polyisoprene-Functionalised Carbon Derived from Coconut Shell Waste	Scientific Reports 11 (2021): 1459	Q1	ISI	3.998	Environmental Science
38	BL1.2: XTM	Vittayakorn, N.	Pakawanit, P.	Pharino, U., Sinsanong, Y., Pongampai, S., Charoonsuk, T., Pakawanit, W., Sriphan, S., Vittayakorn, N. and Vittayakorn, W.	Influence of Pore Morphologies on the Mechanical and Tribo-Electrical Performance of Polydimethylsiloxane Sponge Fabricated via Commercial Seasoning Templates	Radiation Physics and Chemistry 189 (Dec 2021): 109720	Q2	ISI	2.226	Materials Science and Engineering
39	BL1.2W: XTM	Vittayakorn, N.	Pakawanit, P.	Pongampai, S., Charoonsuk, T., Pinpru, N., Pulphol, P., Vittayakorn, W., Pakawanit, P. and Vittayakorn, N.	Triboelectric-Piezoelectric Hybrid Nanogenerator Based on BaTiO3-Nanorods/Chitosan Enhanced Output Performance with Self-Charge-Pumping System	Composites Part B 208 (Mar 2021): 108602	Q1	ISI	7.635	Materials Science and Engineering
40	BL1.2: XTM	Siritapetawee, J.	Limphirat, W., Pakawanit, P., Phoovasawat, C.	Siritapetawee, J., Limphirat, W., Pakawanit, P., Phoovasawat, C.	Application of Bacillus sp. Protease in the Fabrication of Silver/Silver Chloride Nanoparticles in Solution and Cotton Gauze Bandages	Biotechnology and Applied Biochemistry	Q2	ISI	1.638	Medical Application
41	BL1.2: XTM	Chingsungnoen, A.	Rojviriya, C., Thumanu, K. and Tunmee, S	Srakaew, K., Chingsungnoen, A., Sutthisa, W., Lakhonchai, A., Poolcharuansin, P., Chunpeng, P., Rojviriya, C., Thumanu, K. and Tunmee, S	Development of a Multihole Atmospheric Plasma Jet for Growth Rate Enhancement of Broccoli Seeds	Processes 9 (2021): 1134	Q2	ISI	2.753	Biological and Life Science
42	BL1.2: XTM	Panpisut, P.	Rojviriya, C., Pakawanit, P.	Srisomboon, S., Kettratad, M., Pakawanit, P., Rojviriya, C., Phantumvanit, P. and Panpisut, P.	Effects of Different Application Times of Silver Diamine Fluoride on Mineral Precipitation in Demineralized Dentin	Dentistry Journal 9 (2021)	Q2	ISI	3.456	Medical Application
43	BL1.2: XTM	Panupinthu, N.	Rojviriya, C.	Tiyasatkulkovit, W., Aksornthong, S., Adulyaritthikul, P., Upanan, P., Wongdee, K., Aeimlapa, R., Teerapornpuntakit, J., Rojviriya, C., Panupinthu, N. and Charoenphandhu, N.	Excessive Salt Consumption Causes Systemic Calcium Mishandling and Worsens Microarchitecture and Strength of Long Bones in Rats	Scientific Report 11 (2021): 1850	Q1	ISI	3.998	Medical Application
44	BL1.2: XTM	Wongkeo, W.	Pakawanit, P.	Wongkeo, W., Torkittikul, P., Nochaiya, T. and Pakawanit, P.	3D Pore Structure, Thermal and Physical Properties of Metakaolinblack Rice Husk Ash-Based Alkali-Activated Cement	Journal of Sustainable Cement-Based Materials	Q1	ISI	2	Materials Science and Engineering
45	BL1.3W: SAXS	Tantishaiyakul, V.	Soontaranon, S., Rugmai, S.	Boonrat, O., Tantishaiyakul, V., Hirun, N., Rugmai, S. and Soontaranon, S.	Structural Characterization using SAXS and Rheological Behaviors of Pluronic F127 and Methylcellulose blends	Polymer Bulletin 78 (2021) : 1175-1187	Q2	ISI	2.014	Materials Science and Engineering
46	BL1.3W: SAXS	Nguyet, D. T. T.	Soontaranon, S., Klysubun, W.	Duong, N. P., Nguyet, D. T. T., Loan, T. T., Anh, L. N., Soontaranon, S., Klysubun, W. and Nga, T. T. V.	Effects of Sn4+ Doping and Oxygen Vacancy on Magnetic and Electrical Properties of Yttrium Iron Garnet Prepared by Sol-Gel Method	Ceramics International 47 (Mar 2021): 6442-6452	Q1	ISI	3.83	Materials Science and Engineering
47	BL1.3W: SAXS	Sahakaro, K.	Soontaranon, S.	Fathurrohman, M. I., Hayeemasae, N. and Sahakaro, K.	Mechanical and Dynamical Properties of Natural Rubber-Montmorillonite Nanocomposites by Using In Situ Organomodified and Latex Compounding Method	Macromolecular Symposia 391 (2020): 1900130	Q3	ISI	0.858	Polymers
48	BL1.3W: SAXS	Putra, E. G. R.	Soontaranon, S.	Fitria, G., Patriati, A., Mujamilah, Prihatiningsih, M. C., Putra, E. G. R. and Soontaranon, S.	Hierarchical Structure of Magnetic Nanoparticles -Fe3O4-Ferrofluids Revealed by Small Angle X-Ray Scattering	Indonesian Journal of Chemistry 21 (Jun 2021): 635-643	Q3	ISI	0.976	Materials Science and Engineering
49	BL1.3W: SAXS	Masa, A.	Soontaranon, S.	Hayeemasae, N., Soontaranon, S., Rasidi, M. S. M. and Masa, A.	Tensile and Structural Properties of Natural Rubber Vulcanizates with Different Mastication Times	Polímeros 31 (2021): e2021003	Q3	ISI	0.571	Polymers

50	BL1.3W: SAXS	Hirun, N.	Soontaranon, S. and Rugmai, S.	Hirun, N., Tantishaiyakul, V., Sangfai, T., Boonlai, W., Soontaranon, S. and Rugmai, S.	The Effect of Poly(acrylic acid) on Temperature-Dependent Behaviors and Structural Evolution of Poloxamer 407	Polymer International 70 (Sep 2021): 1282-89	Q1	ISI	2.574	Polymers
51	BL1.3W: SAXS	Tongta, S.	Soontaranon, S.	Keeratiburana, T., Hansen, A. R., Soontaranon, S., Blennow, A. and Tongta, S.	Pre-Treatment of Granular Rice Starch to Enhance Branching Enzyme Catalysis	Carbohydrate Polymers 247 (Nov 2020): 116741	Q1	ISI	7.182	Food and Agricultural Science
52	BL1.3W: SAXS	Chanapattharapol, K. C.	Kamonsutthipaijit, N.	Krachuamram, S., Chanapattharapol, K. C. and Kamonsutthipaijit, N.	Synthesis and Characterization of NaX-type Zeolites Prepared by Different Silica and Alumina Sources and Their CO2 Adsorption Properties	Microporous and Mesoporous Materials 310 (Jan 2021): 110632	Q1	ISI	4.551	Materials Science and Engineering
53	BL1.3W: SAXS	Laohhasurayotin, K	Soontaranon, S.	Kullyakool, S., Treetong, A., Soontaranon, S. and Laohhasurayotin, K.	Highly Exfoliated Graphene Oxide with Enhanced Carbonyl Content and Facile Amine Functionalization for Biomedical Applications	ACS Applied Nano Materials 3 (2020): 7260-7269	Q1	ISI	1.09	Materials Science and Engineering
54	BL1.3W: SAXS	Loan, T. T.	Soontaranon, S., Klysubun, W.	Loan, T. T., Huy, D. K., Chung, H. M., Thanh, N. K., Hoan, T. D., Duong, N. P., Soontaranon, S. and Klysubun, W.	Structure and Magnetic Properties of Magnetic Iron Oxide/Zinc Oxide Core/Shell Nanocomposites: Effect of ZnO Coating	Materials Today Communications 26 (Mar 2021): 101733	Q2	ISI	2.678	Materials Science and Engineering
55	BL1.3W: SAXS	Masa, A.	Soontaranon, S.	Masa, A., Hayeemasae, N., Soontaranon, S., Pisal, M. H. M. and Rasidi, M. H. M	Effect of Stretching Rate on Tensile Response and Crystallization Behavior of Crosslinked Natural Rubber	Malaysian Journal of Fundamental and Applied Sciences 17 (2021): 217-225	n/a		n/a	Polymers
56	BL1.3W: SAXS	Nguyen, H. K. D.		Nguyen, H. K. D., Tran, N. N., Dinh, n. T., Nguyen, T. D., Ta, D. N. and Dao, D. S.	Study on Preparation of Ordered Mesoporous Silica Supported NiGaCo Catalyst for Conversion of Carbon Dioxide to Methanol	Journal of Porous Materials 28 (Apr 2021): 313–321	Q2	ISI	2.183	Chemistry
57	BL1.3W: SAXS	Rungswang, W.	Soontaranon, S., Rugmai, S.	Rungswang, W., Jarumaneeroj, C., Parawan, T., Jirasukho, P., Juabrum, S., Soontaranon, S. and Rugmai, S.	Influences of Molecular Weight and Thermal History on Partial Melting of Polyethylene: Existence of Non-lamellar Crystallite	Polymer 211 (Dec 2020): 123096	Q1	ISI	4.231	Polymers
58	BL1.3W: SAXS	Sholichah, E.	Kiatponglarp, W.	Sholichah, E., Indrianti, N., Yulianti, L. E., Sarifudin, A. and Kiatponglarp, W.	Impact of Tempeh Flour Supplementation on the Properties of Non-Gluten Pasta Product	The African Journal of Food, Agriculture, Nutrition and Development 20 (Dec 2020): 16905-16921	Q3	ISI	0.59	Food and Agriculture Science
59	BL1.3W: SAXS	Sittishoktram, M., Jutarosaga, T.	Soontaranon, S.	Sittishoktram, M., Soontaranon, S., Jevasuwan, W., Fukata, N., Asanithi, P. and Jutarosaga, T.	Influence of Point Defects on Phase Transformation and Optical Properties of TiO2 Thin Films via Multilayering Deposition Technique	Materials Chemistry and Physics 272 (Nov 2021): 124859	Q2	ISI	3.408	Surface, Interface and Thin Films
60	BL1.3W: SAXS	Sunaryono	Soontaranon, S.	Sunaryono, Hidayat, M. F., Kholifah, M. N., Taufiq, A., Apriharta, Mufti, N., Diantoro, M., Soontaranon, S. and Darminto	Study of Nanostructural, Electrical, and Optical Properties of Mn0.6Fe2.4O4–PEG/PVP/PVA Ferrogels for Optoelectronic Applications	Journal of Inorganic and Organometallic Polymers and Materials 30 (2020): 4278-4288	Q2	ISI	1.941	Materials Science and Engineering
61	BL1.3W: SAXS	Taufiq, A., Mufti, N.		Taufiq, A., Listanti, A., Saputro, R. E., Hidayat, N., Subadra, ST. U. I., Sunaryono, S. and Mufti, N.	Effects of the Annealing Temperature on the Structure Evolution and Antifungal Performance of TiO2/Fe3O4 Nanocomposites Manufactured from Natural Sand	NANO: Brief Reports and Reviews 16 (2021): 2150017	n/a		n/a	Materials Science and Engineering
62	BL1.3W: SAXS	Wattana-Amorn, P.	Soontaranon, S., Kaewhan, C.	Thongkawphueak, T., Winter, A. J., Williams, C., Maple, H. J., Soontaranon, S., Kaewhan, C., Campopiano, D. J., Crump, M. P. and Wattana-Amorn, P.	Solution Structure and Conformational Dynamics of a Doublet Acyl Carrier Protein from Prodigiosin Biosynthesis	Biochemistry 60 (2021): 219-230	Q1	ISI	2.865	Biological and Life Science
63	BL1.3W: SAXS	Pasanphan, W.		Tangthong, T., Piroonpan, T., Thipe, V. C., Khoobchandani, M., Katti, K., Katti, K. V. and Pasanphan, W.	Water-Soluble Chitosan Conjugated DOTA-Bombesin Peptide Capped Gold Nanoparticles as a Targeted Therapeutic Agent for Prostate Cancer	Nanotechnology, Science and Applications 14 (Mar 2021): 69-89	Q1	ISI	7.42	Medical Application
64	BL1.3W: SAXS	Viyoch, J.	Kamonsutthipaijit, N., Rugmai, S.	Yakaew, S., Luangpradikun, K., Phimnuan, P., Nuengchamnong, N., Kamonsutthipaijit, N., Rugmai, S., Nakyai, W., Ross, S., Ungsurungsei, M., Viyoch, J. and Ross, G.	Investigation into Poloxamer 188-Based Cubosomes as a Polymeric Carrier for Poor Water-Soluble Actives	Journal of Applied Polymer Science	Q1	ISI	2.52	Chemistry
65	BL2.2: TRXAS	Klongratog, B., Sakulkalavek, A.	Poo-arporn, Y.	Daichakomphu, N., Klongratog, B., Rodpun, P., Pluengphon, P., Harnwunggmoung, A., Poo-arporn, Y., Sakulkalavek, A. and Sakdanuphab, R.	Improving the Photo-Thermoelectric Performance of CuAlO2 via Doping with Bi	Materials Research Bulletin 144 (Dec 2021): 111479	Q1	ISI	4.019	Materials Science and Engineering

66	BL2.2: TRXAS	Chareonpanich, M.	Tonlublao, S., Limphirat, W., Poo-arporn, Y.	Donphai, W., Kunthakudee, N., Munpollasri, S., Sangteantong, P., Tonlublao, S., Limphirat, W., Poo-arporn, Y., Kiatphuengporn, S. and Chareonpanich, M.	Application of Magnetic Field to CO Hydrogenation Using a Confined-Space Catalyst: Effect on Reactant Gas Diffusivity and Reactivity	RSC Advances 11 (2021): 3990-3996	Q1	ISI	3.119	Chemistry
67	BL2.2: TRXAS	Meethong, N.	Limphirat, W.	Kaewmala, S., Limphirat, W., Yordsri, V., Nash, J., Srilomsak, S., Kesorn, A., Limthongkul, P. and Meethong, N.	Rate Dependent Structural Changes, Cycling Stability, and Li-ion Diffusivity in a Layered–Layered Oxide Cathode Material After Prolonged Cycling	Journal of Materials Chemistry A 9 (2021): 14004-12	Q1	ISI	11.301	Materials Science and Engineering
68	BL2.2: TRXAS	Khemthong, P., Kongmark, C.	Limphirat, W., Poo-arporn, Y.	Kochaputi, N., Khemthong, P., Kasamechonchung, P., Butburee, T., Limphirat, W., Poo-arporn, Y., Kuboon, S., Faungnawakij, K. and Kongmark, C.	Roles of Supports on Reducibility and Activities of Cu3P Catalysts for Deoxygenation of Oleic Acid: In situ XRD and XAS Studies	Molecular Catalysis	Q1	ISI	3.687	Chemistry
69	BL2.2: TRXAS	Ritvirulh, C., Choojun, K., Sooknoi, T.	Poo-arporn, Y.	Makmeesub, N., Ritvirulh, C., Choojun, K., Chen, T. H., Poo-arporn, Y., Resasco, D. E. and Sooknoi, T.	Reversible Hydrogenation-Dehydrogenation of Acetylpyridine-Pd-MIL-101(Cr) for Chemical Hydrogen Storage	Industrial & Engineering Chemistry Research 59 (2020): 17671-17679	Q1	ISI	3.573	Chemistry
70	BL2.2: TRXAS	Samart, C.	Poo-arporn, Y., Chanlek, N.	Panpian, P., Tran, T. T. V., Kongparakul, S., Attanatho, L., Wang, P., Guan, G., Chanlek, N., Poo-arporn, Y. and Samart, C.	Production of Bio-Jet Fuel through Ethylene Oligomerization using NiAlKIT-6 as a Highly Efficient Catalyst	Fuel 287 (Mar 2021): 119831	Q1	ISI	5.578	Chemistry
71	BL2.2: TRXAS	Utke, R.	Poo-arporn, Y., Chanlek, N., Utke, O.	Plerdsranoy, P., Thaweelap, N., Poo-arporn, Y., Khajondetchairit, P., Suthirakun, S., Fongkaew, I., Chanlek, N., Utke, O., Pangon, A. and Utke, R.	Hydrogen Adsorption of O/N-Rich Hierarchical Carbon Scaffold Decorated with Ni Nanoparticles: Experimental and Computational Studies	International Journal of Hydrogen Energy 46 (Jan 2021): 5427-5440	Q1	ISI	4.939	Materials Science and Engineering
72	BL2.2: TRXAS	Donphai, W.	Poo-arporn, Y.	Phichairatanaphong, O., Teepakakorn, P., Poo-arporn, Y., Chareonpanich, M. and Donphai, W.	Infiltrate Mesoporous Silica-Aluminosilicate Structure Improves Hydrogen Production via Methane Decomposition over a NickelBased Catalyst	Industrial & Engineering Chemistry Research 60 (2021): 4562-4574	Q1	ISI	3.573	Chemistry
73	BL2.2: TRXAS	Osakoo, N., Wittayakun, J., Khemthong, P.	Poo-arporn, Y., Kidkhunthod, P.	Ruangudomsakul, M., Osakoo, N., Wittayakun, J., Keawkumay, C., Butburee, T., Youngian, S., Faungnawakij, K., Poo-arporn, Y., Kidkhunthod, P. and Khemthong, P.	Hydrodeoxygenation of Palm Oil to Green Diesel Products on Mixed-Phase Nickel Phosphides	Molecular Catalysis	Q1	ISI	3.687	Chemistry
74	BL2.2: TRXAS	Loiha, S., Poo-arporn, Y.	Poo-arporn, Y., Tonlublao, S., Limphirat, W., Wannapaiboon, S.	Senamart, N., Loiha, S., Poo-arporn, Y., Tawachkultanadilok, P., Tonlublao, S., Limphirat, W., Duangmanee, S., Kamonpha, P., Wittayakun , J., Osakoo, N., Wannapaiboon, S. and Poo-arporn, R. P.	In-Situ Investigation of Ethanol Steam Reforming on Ni and Cr Doped Ferrites using Combined X-ray Absorption Spectroscopy, Mass Spectrometry, and Gas Chromatography	Radiation Physics and Chemistry 185 (Aug 2021): 109492	Q2	ISI	2.226	Chemistry
75	BL2.2: TRXAS	Utke, R.	Poo-arporn, Y., Chanlek, N., Utke, O.	Thaweelap, N., Plerdsranoy, P., Poo-arporn, Y., Khajondetchairit, P., Suthirakun, S., Fongkaew, I., Hirunsit, P., Chanlek, N., Utke, O., Pangon, A. and Utke, R.	Ni-Doped Activated Carbon Nanofibers for Storing Hydrogen at Ambient Temperature: Experiments and Computations	Fuel 288 (Mar 2021): 119608	Q1	ISI	5.578	Materials Science and Engineering
76	BL2.2: TRXAS	Chanapattharapol, K.C.	Kidkhunthod, P., Poo-arporn, Y.	Unwiset, P., Chanapattharapol, K.C., Kidkhunthod, P., Poo-arporn, Y. and Ohtani, B.	Catalytic Activities of Titania-Supported Nickel for Carbon-Dioxide Methanation	Chemical Engineering Science 228 (Dec 2020): 115955	Q1	ISI	3.871	Chemistry
77	BL3.2U: PES/PEEM	Anuar, N. A. B	Nakajima, H. Tunmee, S.	Anuar, N. A. B., Nor, N. H. M., Awang, R. B., Nakajima, H. Tunmee, S., Tripathi, M., Dalton, A. and Goh, B. T.	Low-Temperature Growth of Graphene Nanoplatelets by Hot-Wire Chemical Vapour Deposition	Surface & Coatings Technology 411 (2021): 126995	Q1	ISI	4.06	Surface, Interface and Thin Films
78	BL3.2U: PES/PEEM	Chia, J. Y.	Nakajima, H., Songsiriritthigul, P.	Chia, J. Y., Lertvanithphol, T., Chaikeeree, T., Seawsakul, K., Thamrongsiripak, N., Nakajima, H., Songsiriritthigul, P., Horprathum, M. and Nuntawong, N.	Work Function Alteration of the Porous Indium Tin Oxide Nanorods Film by Electron Beam Irradiation Technique	Radiation Physics and Chemistry 188 (Nov 2021) 109664	Q2	ISI	2.226	Surface, Interface and Thin Films
79	BL3.2U: PES/PEEM	Mungkung, N., Horprathum, M.	Nakajima, H.	Chaikeeree, T., Mungkung, N., Kasayapanand, N., Lertvanithphol, T., Nakajima, H. and Horprathum, M.	Characterization Broadband Omnidirectional Antireflection ITO Nanorod Films Coating	Optical Materials 121 (Nov 2021): 111545	Q1	ISI	3.06	Surface, Interface and Thin Films
80	BL3.2U: PES/PEEM	Pattanasattayavong, P.	Nakajima, H.	Chaopaknam, J., Wechwithayakhlung, C., Nakajima, H., Lertvanithphol, T., Horprathum, M., Sudyoadsuk, T., Promarak, V., Saeki, A. and Pattanasattayavong, P.	Tin(II) Thiocyanate Sn(SCN)2 as an Ultrathin Anode Interlayer in Organic Photovoltaics	Applied Physics Letters 119 (2021): 063301	Q1	ISI	3.597	Physics
81	BL3.2U: PES/PEEM	Eiamchai, P.		Eiamchai, P., Chananonnawathorn, C., Horprathum, M., Patthanasettakul, V., Limwichean, S. and Nuntawong, N.	Spatial Elemental Investigations in Nanostructured Alloyed Ag/Au SERS Substrates by Magnetron Sputtering Oblique-Angle co-Deposition Towards Increased Performance and Shelf Life	Applied Surface Science 513 (May 2020): 145748	Q1	ISI	6.182	Surface, Interface and Thin Films
82	BL3.2U: PES/PEEM	Phung-on, I.	Euaruksakul, C., Photongkam, P.	Euaruksakul, C., Phung-on, I., Srithorn, J., Wongpinij, T., Photongkam, P., Kamonsuangkasem, K. and Aimkogsung, N.	In-situ Observation of h-BN Formation on the Surface of Weld Dissimilar Joint Steels	Engineering Journal 25 (2021): 81-91	Q3	ISI	0.54	Surface, Interface and Thin Films

83	BL3.2U: PES/PEEM	Lim, H. N.	Nakajima, H.	Hamra, A. A. B., Lim, H. N., Huang, N. M., Gowthaman, N. S. K., Nakajima, H. and Rahman, M. M.	Microwave Exfoliated Graphene-Based Materials for Flexible Solidstate Supercapacitor	Journal of Molecular Structure 1220 (Nov 2020): 128710	Q2	ISI	2.463	Materials Science and Engineering
84	BL3.2U: PES/PEEM	Himwas, C.	Euaruksakul, C.	Himwas, C., Kijamnajsuk, S., Yordsri, V., Thanachayanont, C., Wongpinij, T., Euaruksakul, C., Panyakeow, S. and Kanjanachuchai, S.	Optical Properties of Lattice-Matched GaAsPBi Multiple Quantum Wells Grown on GaAs (001)	Semiconductor Science and Technology 36 (2021): 045014	Q1	ISI	4.9	Surface, Interface and Thin Films
85	BL3.2U: PES/PEEM	Supangat, A.	Tunmee, S., Chanlek, N	Hisamuddin, S. N., Abdullah, S. M., Alwi, S. A. K., Majid, S. R., Anuar, A., Sulaiman, K., Tunmee, S., Chanlek, N., Bawazeer, T. M., Alsoufi, M. S., Alsenany, N. and Supangat, A.	Optimizing the Performance of P3HT-Based Photodetector by Tuning the Composition of OXCBA	Synthetic Metals 268 (Oct 2020): 116506	Q1	ISI	3.286	Materials Science and Engineering
86	BL3.2U: PES/PEEM	Jaroenapibal, P.	Nakajima, H., Songsiriritthigul, P.	Hom-on, C., Triroj, N., Horprathum, M., Lertvanithphol, T., Chananonnawathorn, C., Limwichean, S., Nuntawong, N., Songsiriritthigul, P., Nakajima, H., Klamchuen, A. and Jaroenapibal, P.	Hydrolysis Corrosion of Alumina Thin Films Produced by Pulse DC Reactive Magnetron Sputtering at Various Operating Pressures	Ceramics International 47 (Apr 2021): 9691-9700	Q1	ISI	3.83	Surface, Interface and Thin Films
87	BL3.2U: PES/PEEM	Ibrahim, I. R.	Chanlek, N., Nakajima, H.	Ibrahim, I. R., Matori, K. A., Ismail, I., Rusly, S. N. A., Nazlan, R., Yusof, N. H., Zaid, M. H. N., Chanlek, N., Nakajima, H., Daud, M. H. N. and Bahmanrokh, G.	Influence of Nanometric Microstructural Development on Thermophysical Properties of Lanthanum-Doped Strontium Titanate	Materials Chemistry and Physics 270 (Sep 2021): 124867	Q2	ISI	3.408	Materials Science and Engineering
88	BL3.2U: PES/PEEM	Yury, G., Meevasana, W.	Nakajima, H., Rattanachata, A.	Jindata, W., Hantanasirisakul, K., Eknapakul, T., Denlinger, J. D., Sangphet, S., Chaiyachad, S., Jaisuk, C., Rasritat, A., Sawasdee, T., Nakajima, H., Rattanachata, A., Fongkaew, I., Limpijumnong, S., Yury, G. and Meevasana, W.	Spectroscopic Signature of Negative Electronic Compressibility from the Ti Core-Level of Titanium Carbonitride MXene	Applied Physics Reviews 8 (2021): 021401	Q1	ISI	18.121	Materials Science and Engineering
89	BL3.2U: PES/PEEM	Kanjanachuchai, S.	Wongpinij, T., Euaruksakul, C. and Photongkam, P.	Kanjanachuchai, S., Wongpinij, T., Euaruksakul, C. and Photongkam, P.	In Situ Observation and Control of Ultrathin In Layers on Sublimated InP (100) Surfaces	Applied Surface Science 542 (Mar 2021): 148549	Q1	ISI	6.182	Surface, Interface and Thin Films
90	BL3.2U: PES/PEEM	Pojprapai, S.	Chanlek, N.	Kongtungmon, M., Kundhikanjana, W., Supadee, L., Chanlek, N. and Pojprapai, S.	Dissolution Mechanism of MgO Thin Film Shielding Layer in Tunneling Magnetoresistance Hard Disk Drive Read Head	Materials Today Communications 25 (Dec 2020): 101374	Q2	ISI	2.68	Surface, Interface and Thin Films
91	BL3.2U: PES/PEEM	Kowong, R., Denchitcharoen, S., Horprathum, M.	Nakajima, H., Songsiriritthigul, P.	Kowong, R., Denchitcharoen, S., Lertvanithphol, T., Triamnak, N., Chananonnawathorn, C., Jaruwongrungsee, K., Klamchuen, A., Muthitamongkol, P., Phae-ngam, W., Nakajima, H., Songsiriritthigul, P. and Horprathum, M.	Nanostructure Optimization of Zr-W-Ti Metallic Glass Thin Films via Multitarget Co-Sputtering with Oblique Angle Deposition Approach	Journal of Alloys and Compounds 886 (Dec 2021): 161265	Q1	ISI	5.29	Surface, Interface and Thin Films
92	BL3.2U: PES/PEEM	Saenrang, W.	Supruangnet, R., Nakajima, H	Laohana, P., Tanapongpisit, N., Kim, S., Eknapakul, T., Fongkaew, I., Supruangnet, R., Nakajima, H., Meevasana, W., Bark, C. W. and Saenrang, W.	Particle Size Dependence of the Electrochemical Properties of SrMnO3 Supercapacitor Electrodes	Journal of Solid State Electrochemistry 25 (Apr 2021): 1121-1129	Q2	ISI	2.646	Materials Science and Engineering
93	BL3.2U: PES/PEEM	Horprathum, M.	Nakajima, H., Songsiriritthigul, P.	Lertvanithphol, T., Limnonthakul, P., Hom-on, C., Jaroenapibal, P., Chananonnawathorn, C., Limwichean, S., Eiamchai, P., Patthanasettakul, V, Tantiwanichapan, K., Sathukarn, A., Nuntawong, N., Klamchuen, A., Nakajima, H., Songsiriritthigul, P. and Horprathum, M.	Facile Fabrication and Optical Characterization of Nanoflake Aluminum Oxide Film with High Broadband and Omnidirectional Transmittance Enhancement	Optical Materials 111 (Jan 2021): 110567	Q1	ISI	2.779	Surface, Interface and Thin Films
94	BL3.2U: PES/PEEM	Zhou, X., Zheng, Y.	Tunmee, S.	Li, Z., Peng, M., Zhou, X., Shin, K., Tunmee, S., Zhang, X., Xie, C., Saitoh, H., Zheng, Y., Zhou, Z. and Tang, Y.	In Situ Chemical Lithiation Transforms Diamond-Like Carbon into an Ultrastrong Ion Conductor for Dendrite-Free Lithium-Metal Anodes	Advanced Materials (2021): 2100793	Q1	ISI	27.398	Materials Science and Engineering
95	BL3.2U: PES/PEEM	Limwichean, S., Kasayapanand, N., Horprathum, M.		Limwichean, S., Eiamchai, P., Ponchio, C., Kasayapanand, N. and Horprathum, M.	Comparative Investigations of DCMS/HiPIMS Reactively Sputtered WO3 Thin Films for Photo-Electrochemical Efficiency Enhancements	Vacuum 185 (Mar 2021): 109978	Q1	ISI	2.906	Surface, Interface and Thin Films
96	BL3.2U: PES/PEEM	Limwichean, S., Kasayapanand, N., Horprathum, M.	Nakajima, H.	Limwichean, S., Kasayapanand, N., Ponchio, C., Nakajima, H., Patthanasettakul, V., Eiamchai, P., Kasayapanand, N., Meng, G. and Horprathum, M.	Morphology-Controlled Fabrication of Nanostructured WO3 Thin Films by Magnetron Sputtering with Glancing Angle Deposition for Enhanced Efficiency Photo-Electrochemical Water Splitting	Ceramics International	Q1	ISI	4.47	Surface, Interface and Thin Films
97	BL3.2U: PES/PEEM	Marlinda, A.R.		Marlinda, A.R., Kamaruddin, N.H., Fadilah, A.W., Said, M., Hamizi, N.A. and Johan, M.R.	Simple Dispersion of Graphene Incorporated Rubber Composite for Resistive Pressure Sensor Application	Polymer Engineering and Science (May 2021): 1-9	Q2	ISI	1.917	Polymers

98	BL3.2U: PES/PEEM	Meevasana, W.	Sattayaporn, S., Kidkhunthod, P., Nakajima, H., Chanlek, N.	Musikajaroen, S., Polin,, S., Sattayaporn, S., Jindata, W., Saenrang, W., Kidkhunthod, P., Nakajima, H., Butburee, T., Chanlek, N., Meevasana, W.	Photoenhanced Water Electrolysis in Separate O2 and H2 Cells Using Pseudocapacitive Electrodes	ACS Omega 6 (2021): 19647-55	Q1	ISI	2.87	Chemistry
99	BL3.2U: PES/PEEM	Meevasana, W.	Supruangnet, R., Nakajima, H.	Nathabumroong, S., Eknapakul, T., Jaiban, P., Yotburut, B., Siriroj, S., Saisopa, T., Mo, S. K., Supruangnet, R., Nakajima, H., Yimnirun, R., Maensiri, S. and Meevasana, W.	Interplay of Negative Electronic Compressibility and Capacitance Enhancement in Lightly-Doped Metal Oxide Bi0.95La0.05feo3 by Quantum Capacitance Model	Scientific Reports 10 (2020): 5153	Q1	ISI	3.998	Materials Science and Engineering
100	BL3.2U: PES/PEEM	Nazarudin, N. F. F. B., Goh, B. T.	Nakajima, H.	Nazarudin, N. F. F. B., Rizan, N., Talik, N. A., Periasamy, V., Nakajima, H., Rahman, S. A. and Goh, B. T.	Fabrication of DNA/NiSi NWs and Ag NPs-NiSi NWsbased Schottky Diodes for DNA Detection with Fast Response Time	Journal Materials Scince: Materials in Electronics 32 (2021): 7889-7905	Q2	ISI	2.220	Physics
101	BL3.2U: PES/PEEM	Nordin, F. N., Goh, B. T.	Nakajima, H., Tunmee, S.	Nordin, F. N., Alizadeh, M., Nakajima, H., Tunmee, S., Chia, M. Y., Chiu, W. S. and Goh, B. T.	Photoelectrochemical Behavior of Si Nanostructures Grown by Chemical Vapor Deposition using Waste-Biomass Sources	Journal of Solid State Chemistry 300 (Aug 2021): 122254	Q2	ISI	2.726	Surface, Interface and Thin Films
102	BL3.2U: PES/PEEM	Ekanayake, P.	Nakajima, H.	Narudin, N., Ekanayake, P., Soon, Y. W., Nakajima, H. and Lim, C. M.	Enhanced Properties of Low-Cost Carbon Black-Graphite Counter Electrode in DSSC by Incorporating Binders	Solar Energy 225 (Sep 2021): 237-244	Q1	ISI	4.608	Surface, Interface and Thin Films
103	BL3.2U: PES/PEEM	Kanjanaboos, P.	Supruangnet, R., Nakajima, H.	Pansa-Ngat, P., Nakajima, H., Supruangnet, R., Suwanna, S., Pakawatpanurut, P., Sahasithiwat, S. and Kanjanaboos, P.	Phase Evolution in Lead-Free Cs-Doped FASnI3 Hybrid Perovskites and Optical Properties	The Journal of Physical Chemistry C 125 (2021): 16903-12	Q1	ISI	1.489	Surface, Interface and Thin Films
104	BL3.2U: PES/PEEM	Zhou, X., Tang, Y.	Tunmee, S., Kidkhunthod, P.	Peng, S., Zhou, X., Tunmee, S., Li, Z., Kidkhunthod, P., Peng, M., Wang, W., Saitoh, H., Zhang, F. and Tang, Y.	Amorphous Carbon Nano-Interface-Modified Aluminum Anodes for High-Performance Dual-Ion Batteries	ACS Sustainable Chemistry & Engineering 9 (2021): 3710-3717	Q1	ISI	7.632	Materials Science and Engineering
105	BL3.2U: PES/PEEM	Pojprapai, S.	Supruangnet, R., Nakajima, H., Janphuang, P.	Pomyai, P., Munthala, D., Sonklin, T., Supruangnet, R., Nakajima, H., Janphuang, P., Dale, S. M., Glaum, J. and Pojprapai, S.	Electrical Fatigue behavior of Ba0.85Ca0.15Zr0.1Ti0.9O3 Ceramics Under Different Oxygen Concentrations	Journal of the European Ceramic Society 41 (Apr 2021): 2497-2505	Q1	ISI	4.495	Materials Science and Engineering
106	BL3.2U: PES/PEEM	Priyanto, B., Darminto	Tunmee, S., Nakajima, H.	Priyanto, B., Asih, R., Ardiani, I. S., Laila, A. Z., Nadiyyah, K., Romadhon, B., Tunmee, S., Nakajima, H., Triwikantoro, Cahyono, Y. and Darminto	Hydrogenated Amorphous Carbon Films from Palmyra Sugar	Journal of Renewable Materials 9 (2021): 1087-1098	Q3	ISI	1.341	Surface, Interface and Thin Films
107	BL3.2U: PES/PEEM	Rafieh, A. I.	Nakajima, H.	Rafieh, A. I., Ekanayake, P., Nakajima, H., Mahadi, A. H., Abu, M., Don, M. F. and Lim, C. M.	Enhanced N719 Dye Adsorption onto Ca and La Doped Mesoporous TiO2 Anodes for Dye-Sensitized Solar Cells	Journal of Electronic Materials 9 (Sep 2021)	Q2	ISI	1.774	Materials Science and Engineering
108	BL3.2U: PES/PEEM	Rost, H. I., Chellappan, R. K., Wells, J. W.	Euaruksakul, C.	Rost, H. I., Chellappan, R. K., Strand, F. S., Grubisic-Cabo, A., Reed, B. P., Prieto, M. J., Tanase, L. C., Caldas, L. de S., Wongpinij, T., Euaruksakul, C., Schmidt, T., Tadich, A., Cowie, B. C. C., Li, Z., Cooil, S. P. and Wells, J. W.	Low-Temperature Growth of Graphene on a Semiconductor	The Journal of Physical Chemistry C 125 (2021): 4243-42452	Q1	ISI	4.189	Materials Science and Engineering
109	BL3.2U: PES/PEEM	Meevasana, W., Ratanaphan, S.	Nakajima, H.	Sriondee, M., Chirayutthanasak, O., Nammahachak, N., Eknapakul, T., Nakajima, H., Meevasana, W. and Ratanaphan, S.	Ultraviolet-Induced Oxygen Vacancy in SrTiO3 Polycrystalline	Appiled Physics Letters 118 (2021): 221602	Q1	ISI	3.597	Materials Science and Engineering
110	BL3.2U: PES/PEEM	Woon, K. L.	Nakajima, H., Chaiprapa, J.	Subramaniam, Y., Woon, K. L., Nakajima, H., Chaiprapa, J. and Songsiriritthigul, P.	Preferential Vertically Oriented Nanopillar Perovskite Induced by Poly (9-vinylcarbazole) Field-Effect Transistor	Synthetic Metals 281 (2021): 116901	Q1	ISI	3.03	Physics
111	BL3.2U: PES/PEEM	Amnuaypanich, S.	Chanlek, N.	Suwannarat, S., Amnuaypanich, S., Chanlek, N. and Amnuaypanich, S.	Temperature-Enhanced Water Selectivity in Polyvinyl Alcohol Mixed Matrix Membranes Filled with poly(2-hydroxyethylmethacrylate)-Grafted Mesoporous Silica Nanoparticles (PVA/MSNs-g-PHEMA MMMs)	Separation and Purification Technology 257 (Feb 2021): 117875	Q1	ISI	5.774	Chemistry
112	BL3.2U: PES/PEEM	Vasquez Jr., M. R.	Nakajima, H., Thumanu, K., Chanlek, N., Janphuang, P.	Taaca, K. L. M., Nakajima, H., Thumanu, K., Chanlek, N., Janphuang, P. and Vasquez Jr., M. R.	Spectroscopic Studies of Plasma-Modified Silver-Exchanged Zeolite and Chitosan Composites	Materials Chemistry and Physics 250 (Aug 2020): 122980	Q2	ISI	3.408	Materials Science and Engineering
113	BL3.2U: PES/PEEM	Pasanphan, W.		Tangthong, T., Piroonpan, T., Thipe, V. C., Khoobchandani, M., Katti, K., Katti, K. V. and Pasanphan, W.	Water-Soluble Chitosan Conjugated DOTA-Bombesin Peptide Capped Gold Nanoparticles as a Targeted Therapeutic Agent for Prostate Cancer	Nanotechnology, Science and Applications 14 (Mar 2021): 69-89	Q1	ISI	7.42	Medical Application
114	BL3.2U: PES/PEEM	Thien, G. S. H., Goh, B. T.	Nakajima, H., Tunmee, S., Chanlek, N.	Thien, G. S. H., Talik, N. A., Yap, B. K., Nakajima, H., Tunmee, S., Chanlek, N. and Goh, B. T.	Improvement of MAPbI3 Perovskite Blend with TiO2 Nanoparticles as ReRAM Device	Ceramics International 46 (Dec 2020): 29041-29051	Q1	ISI	3.83	Materials Science and Engineering

115	BL3.2U: PES/PEEM	Akasaka, H.	Tunmee, S., Rittihong, U., Euaruksakul, C., Supruangnet, R., Nakajima, H.	Tomidokoro, M., Tunmee, S., Rittihong, U., Euaruksakul, C., Supruangnet, R., Nakajima, H., Hirata, Y., Ohtake, N. and Akasaka, H.	Electrical Conduction Properties of Hydrogenated Amorphous Carbon Films with Different Structures	Materials 14 (2021): 2355	Q2	ISI	3.057	Surface, Interface and Thin Films
116	BL3.2U: PES/PEEM	Siritanon, T.	Wannapaiboon, S., Nakajima, H.	Waehayee, A., Pongsawakul, C., Ngoipala, A., Phonsuksawang, P., Jiamprasertboon, A., Wannapaiboon, S., Nakajima, H., Butburee, T., Suthirakun, S. and Siritanon, T.	Promoting Superoxide Generation in Bi2WO6 by Less Electronegative Substitution for Enhanced Photocatalytic Performance: an Example of Te Doping	Catalysis Science & Technology	Q1	ISI	5.721	Chemistry
117	BL3.2U: PES/PEEM	Wang, Z., Fu, Q., Cui, Y.	Euaruksakul, C.	Wei, W., Pan, J., Lin, H., Euaruksakul, C., Li, Z., Huang, R., Wang, L., Wang, Z., Fu, Q. and Cui, Y.	Growth, Coalescence, and Etching of Two-Dimensional Overlayers on Metals Modulated by Near-Surface Ar Nanobubbles	Nano Research (2021): https://doi.org/10.1007/s12274-021-3731-2	Q1	ISI	8.183	Surface, Interface and Thin Films
118	BL3.2U: PES/PEEM	Wongpanya, P.	Photongkam, P.	Wongpanya, P., Silawong, P. and Photongkam, P.	Nanomechanical Properties and Thermal Stability of Al–N-co-doped DLC Films Prepared by Filtered Cathodic Vacuum arc Deposition	Surface & Coatings Technology 424 (Oct 2021): 127655	Q1	ISI	4.06	Surface, Interface and Thin Films
119	BL3.2U: PES/PEEM	Zahir, N. H., Shuhaimi, A.	Tunmee, S., Nakajima, H., Chanlek, N.	Zahir, N. H., Talik, N. A., Harun, H. N., Kamarundzaman, A., Tunmee, S., Nakajima, H., Chanlek, N., Shuhaimi, A. and Abd Majid, W. H.	Improved Performance of InGaN/GaN LED by Optimizing the Properties of the Bulk and Interface of ITO on p-GaN	Applied Surface Science 540 (Feb 2021): 148406	Q1	ISI	6.182	Surface, Interface and Thin Films
120	BL4.1: IR	Keawsompong, S.		Ayimbila, F. and Keawsompong, S.	Functional Composition and Antioxidant Property of Crude Polysaccharides from the Fruiting Bodies of Lentinus Squarrosulus	3 Biotech 11 (2021)	Q2	ISI	1.798	Biological and Life Science
121	BL4.1: IR	Keawsompong, S.	Siriwong, S.	Ayimbila, F., Siriwong, S. and Keawsompong, S.	Structural Characteristics and Bioactive Properties of Water-Soluble Polysaccharide from Lentinus Squarrosulus	Bioactive Carbohydrates and Dietary Fibre 26 (Nov 2021): 100266	Q2	ISI	2.08	Biological and Life Science
122	BL4.1: IR	Barusrux, S.	Tanthanuch, W. and Thummanu, K.	Barusrux, S., Weerapreeyakul, N., Plaimee, P., Haiyanan, P., Khamphio, M., Tanthanuch, W. and Thummanu, K.	Anticancer Activity of Lindernia crustacea (L.) F. Muell. var. Crustacean on Human HCT116 Colon Cancer Cell via Cellular Lipid and β-sheet Protein Accumulation	Walailak Journal Science Na Technology 17 (Nov 2020): 1211-1200	Q3	ISI2018	0.41	Medical Application
123	BL4.1: IR	Wongprasert, K.	Kuaprasert, B.	Boonsri, B., Choowongkomon, K., Kuaprasert, B., Thitiphatphuvanon, T., Supradit, K., Sayinta, A., Duangdara, J., Rudtanatip, T. and Wongprasert, K.	Probing the Anti-Cancer Potency of Sulfated Galactans on Cholangiocarcinoma Cells Using Synchrotron FTIR Microspectroscopy, Molecular Docking, and In Vitro Studies	Marine Drugs 19 (Apr 2021): 258	Q2	ISI	3.81	Medical Application
124	BL4.1: IR	Won-in, K.	Tancharakorn, S., Pakawanit, P.,Thumanu, K.	Boonruang, C., Won-in, K., Tancharakorn, S., Pakawanit, P.,Thumanu, K. and Dararutana, P.	Synchrotron Radiation Study on Ancient Burnt Rice Found at Archaeological Sites in Thailand	Chiang Mai Journal of Science	Q4	ISI	0.325	Food and Agriculture Science
125	BL4.1: IR	Duangjinda, M.	Thumanu, K.	Charoensin, S., Boonkum, W., Thumanu, K., Laopaiboon, B. and Duangjinda, M.	Synchrotron Fourier Transform Infrared Microspectroscopy and Scanning Electron Microscopy Assessment of Key Physical Meat Properties of Thai Native Chickens for Selection in Breeding Programs	Asia-Pacific Journal of Science and Technology 26 (Oct-Dec 2021): Article ID.: APST-26-04-09	Q3	ISI	0.175	Food and Agriculture Science
126	BL4.1: IR	Sittisart, P.	Thumanu, K.	Dunkhunthod, B., Chiraatthakit, B., Chitsomboon, B., Kiatsongcha, R., Thumanu, K., Musika, S. and Sittisart, P.	Apoptotic Induction of the Water Fraction of Pseuderanthemum Palatiferum Ethanol Extract Powder in Jurkat Cells Monitored by FTIR Microspectroscopy	Scienceasia	Q3	ISI	0.425	Biological and Life Science
127	BL4.1: IR	Eumkeb, G.	Thumanu, K.	Dunkhunthod, B., Talabnin,, C., Murphy,, M., Thumanu, K., Sittisart, P. and Eumkeb, G.	Gymnema inodorum (Lour.) Decne. Extract Alleviates Oxidative Stress and Inflammatory Mediators Produced by RAW264.7 Macrophages	Oxidative Medicine and Cellular Longevity 2021 (2021): Article ID 8658314	Q1	ISI	5.076	Medical Application
128	BL4.1: IR	Yongsawatdigul, J.	Thumanu, K.	Katmala, S., Molee, A., Thumanu, K. and Yongsawatdigul, J.	Meat Quality and Raman Spectroscopic haracterization of Korat Hybrid Chicken Obtained from Various rearing Periods	Poultry Science 100 (Feb 2021): 1248-1261	Q1	ISI	2.659	Food and Agriculture Science
129	BL4.1: IR	Yingchutrakul, Y.	Kuaprasert, B.	Krobthong, S., Choowongkomon, K., Suphakun, P., Kuaprasert, B., Samutrtai, P. and Yingchutrakul, Y.	The Anti-Oxidative Effect of Lingzhi Protein Hydrolysates on Lipopolysaccharidestimulated A549 Cells	Food Bioscience 41 (Jun 2021): 101093	Q1	ISI	3.067	Biological and Life Science
130	BL4.1: IR	Yongsawatdigul, J.	Thumanu, K.	Kunyaboon, S., Thumanu, K., Park, J.W., Khongla, C. and Yongsawatdigul, J.	Evaluation of Lipid Oxidation, Volatile Compounds and Vibrational Spectroscopy of Silver Carp (Hypophthalmichthys molitrix) during Ice Storage as Related to the Quality of Its Washed Mince	Foods 10 (Mar 2021): 495	Q2	ISI	4.092	Food and Agriculture Science
131	BL4.1: IR		Chio-Srichan, S.	Maphanao, P., Thanan, R., Loilome, W., Chio-Srichan, S., Wongwattanakul, M. and Sakonsinsiri, C.	Synchrotron FTIR Microspectroscopy Revealed Apoptosis-Induced Biomolecular Changes of Cholangiocarcinoma Cells Treated with Ursolic Acid	Biochemica et Biophysica Acta: General Subjects 1864 (Dec 2020): 129708	Q1	ISI	3.422	Biological and Life Science

132	BL4.1: IR	Nakbanpote, W.	Thumanu, K.	Meesungnoen, O., Chantiratikul, P., Thumanu, K., Nuengchamnong, N., Hokura, A. and Nakbanpote, W.	Elucidation of Crude Siderophore Extracts from Supernatants of Pseudomonas sp. ZnCd2003 Cultivated in Nutrient Broth Supplemented with Zn, Cd, and Zn plus Cd	Archives of Microbiology 203 (Aug 2021): 2863-2874	Q2	ISI	1.884	Biological and Life Science
133	BL4.1: IR	Patramanon, R.		Nasompag, S., Siritongsuk, P., Thammawithan, S., Srichaiyapol, O., Prangkio, P., Camesano, T.A., Sinthuvanich, C. and Patramanon, R	AFM Study of Nanoscale Membrane Perturbation Induced by Antimicrobial Lipopeptide C14 KYR	Membranes 11 (2021): 495	Q2	ISI	3.35	Biological and Life Science
134	BL4.1: IR	Yongsawatdigul, J.	Thumanu, K.	Pao, D., Thumanu, K. and Yongsawatdigul, J.	Gelation and Vibrational Spectroscopy of Tropical Surimi Induced by Ascorbic Acid and Hydrogen Peroxide	Journal of Food Science 86 (Mar 2021): 881-891	Q2	ISI	2.479	Food and Agriculture Science
135	BL4.1: IR	Molee, A.	Thumanu, K.	Poompramun, C., Molee, W., Thumanu, K. and Molee, A.	The Significant Influence of Residual Feed Intake (RFI) on Flavor Precursors and Biomolecules in Slow-Growing Korat Chicken Meat	Asian-Australasian Journal of Animal Sciences (2021): DOI:10.5713/ab.20.0736	Q1	ISI	1.664	Food and Agriculture Science
136	BL4.1: IR	Lawongsa, P.	Thumanu, K.	Puttaso, P., Namanusart, W., Thumanu, K., Kamolmanit, B., Brauman, A. and Lawongsa, P.	Assessing the Effect of Rubber (Hevea brasiliensis (Willd. ex A. Juss.) Muell. Arg.) Leaf Chemical Composition on Some Soil Properties of Differently Aged Rubber Tree Plantations	Agronomy 10 (2020): 1871	Q1	ISI	2.603	Food and Agriculture Science
137	BL4.1: IR	Buensanteai, N.	Thumanu, K., Siriwong, S.	Sangpueak, R., Phansak, P., Thumanu, K., Siriwong, S., Wongkaew, S. and Buensanteai, N.	Effect of Salicylic Acid Formulations on Induced Plant Defense against Cassava Anthracnose Disease	The Plant Pathology Journal 37 (Aug 2021): 356-364	Q4	ISI	1.57	Food and Agriculture Science
138	BL4.1: IR	Siriwatwechakul, W.		Sakulaue, P., Lertvanithphol, T., Eiamchai, P. and Siriwatwechakul, W.	Quantitative Relation Between Thickness and Grafting Density of Temperature-Responsive poly(N-isopropylacrylamide-coacrylamide) Thin Film using Synchrotron-source ATR-FTIR and Spectroscopic Ellipsometry	Surface and Interface Analysi 53 (Feb 2021): 268-276	Q2	ISI	1.33	Surface, Interface and Thin Films
139	BL4.1: IR	Siritapetawee, J.	Thumanu, K.	Siritapetawee, J., Khunkaewla, P and Thumanu, K.	Role of a Protease from Euphorbia Resinifera Latex in Human Anticoagulant and Antithrombotic Activities	Chemical Biological Interactions 329 (2020): 109223	Q1	ISI	3.723	Medical Application
140	BL4.1: IR	Buensanteai, N.	Thumanu, K., Siriwong, S.	Siriwong, S., Thepbandit, W., Hoang, N.H., Papathoti, N.K., Teeranitayatarn, K., Saardngen, T., Thumanu, K., Bhavaniramya, S., Baskaralingam, V., Le Thanh, T., Phansak, P. and Buensanteai, N.	Identification of a Chitooligosaccharide Mechanism against Bacterial Leaf Blight on Rice by In Vitro and In Silico Studies	International Journal of Molecular Sciences 22 (2021): 7990	Q1	ISI	4.556	Food and Agricultural Science
141	BL4.1: IR	Athinuwat, D.	Thumanu, K., Siriwong, S.	Thepbandit, W., Buensanteai, N., Thumanu, K., Siriwong, S., Thanh, T. L. and Athinuwat, D.	Salicylic Acid Elicitor Inhibiting Xanthomonas oryzae Growth, Motility, Biofilm, Polysaccharides Production, and Biochemical Components during Pathogenesis on Rice	Chiang Mai Journal Science 48 (Mar 2021): 341-353	Q4	ISI	0.325	Food and Agricultural Science
142	BL4.1: IR	Buensanteai, N.	Thumanu, K.	Thepbandit, W., Papathoti, N. K., Daddam, J. R., Thumanu, K., Siriwong, S., Thanh, T. L. and Buensanteai, N.	Identification of Salicylic Acid Mechanism against Leaf Blight Disease in Oryza sativa by SR-FTIR Microspectroscopic and Docking Studies	Pathogens 10 (2021): 652	Q2	ISI	3.018	Food and Agricultural Science
143	BL4.1: IR	Watcharawichanan, P.	Thumanu, K., Siriwong, S.	Watcharawichanan, P., Thumanu, K., Saovana, T., Eumkeb, G. and Siriwong, S.	Fourier Transform Infrared Micro-Spectroscopy for Rapid Detection of Bacillus Cereus and Pseudomonas Aeruginosa Spoilage in Milk	Suranaree Journal of Science and Technology 27 (Oct-Dec 2020): 020007	Q4	ISI	0.47	Food and Agricultural Science
144	BL5.1W: XAS/XRF	Pongpiachan, S.	Jearanaikoon, N., Thumanu, K., Supruangnet, R.	Pongpiachan, S., Jearanaikoon, N., Thumanu, K., Pradubsri, J., Supruangnet, R., Tharasawatpipat, C., Hashmi, M.Z. and Apiratikul, R.	Using Synchrotron Radiation X-ray Fluorescence (SRXRF) to Assess the Impacts of Shipping Emissions on the Variations of PM10-bound Elemental Species	Aerosol and Air Quality Research (2021): https://doi.org/10.4209/aaqr.210030	Q2	ISI	3.32	Environmental Science
145	BL5.2: XAS	Bongkarn, T.	Kidkhunthod, P.	Bhupaijit, P., Nuntawong, N., Kidkhunthod, P., Pinitsoontorn, S. and Bongkarn, T.	Enhanced Electrical Properties Near the Morphotropic Phase Boundary in Lead-Free Bi0.5Na0.34K0.11Li0.05Ti1-xNixO3-δ Ceramics	Radiation Physics and Chemistry 189 (Dec 2021): 109716	Q2	ISI	2.226	Materials Science and Engineering
146	BL5.2: XAS	Thongbai, P.	Kidkhunthod, P.	Boonlakhorn, J., Putasaeng, B., Kidkhunthod, P., Manyam, J., Krongsuk, S., Srepusharawoot, P. and Thongbai, P.	First-Principles Calculations and Experimental Study of Enhanced Nonlinear and Dielectric Properties of Sn4+-Doped CaCu2.95Mg0.05Ti4O12 Ceramics	Journal of the European Ceramic Society 41 (Aug 2021): 5176-5183	Q1	ISI	4.495	Materials Science and Engineering
147	BL5.2: XAS	Kidkhunthod, P.	Chanlek, N., Poo-arporn, Y., Songsiriritthigul, P., Kidkhunthod, P.	Butnoi, P., Senanon, W., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Maensiri, S., Songsiriritthigul, P., Khemthong, P. and Kidkhunthod, P.	Structure and Effect of Diamagnetism on Manganese Lithium Phosphate Glass to Cathode Materials Application	Progress in Natural Science: Materials International 31 (Jun 2021): 420-427	Q1	ISI	4	Materials Science and Engineering
148	BL5.2: XAS	Meng, G., Fang, X.	Kidkhunthod, P.	Chang, J., Horprathum, M., Wang, D., Meng, G., Deng, Z., Tong, B., Kidkhunthod, P., Dai, T., Li, M., Liu, H., Tong, W., Wang, S. and Fang, X.	Aliovalent Sc and Li co-Doping Boosts the Performance of p-type NiO Sensor	Sensors & Actuators: B. Chemical 326 (Jan 2021): 128834	Q1	ISI	7.1	Materials Science and Engineering

149	BL5.2: XAS	Jo, W.		Cho, J. H., Cho, S., Lee, J. H., Palneedi, H., Lee, J. H., Kim, H. P., Lee, N. J., Tigunta, S., Pojprapai, S., Kim, S., Ryu, J., Oh, Y. S., Hong, S. and Jo, W.	Room-Temperature Multiferroicity in NiFe2O4 and its Magnetoelectric Coupling Intensified through Defect Engineering	Journal of the American Ceramic Society	Q1	ISI	3.502	Materials Science and Engineering
150	BL5.2: XAS	Chunjaemsri, T.	Chanlek, N., Kidkhunthod, P., Nakajima, H., Tunmee, S., Rujirawat, S.	Chunjaemsri, T., Chongsereecharoen, E., Chanlek, N., Kidkhunthod, P., Nakajima, H., Tunmee, S., Yimnirun, R., Rujirawat, S.	Influence of RF Power and CH4 Flow Rate on Properties of Diamond-Like Carbon Films Deposited by PECVD Technique	Radiation Physics and Chemistry 176 (Nov 2020): 109073	Q2	ISI	2.226	Surface, Interface and Thin Films
151	BL5.2: XAS	Suramitr, S., Hanlumyuang, Y.	Wannapaiboon, S., Sattayaporn, S.	Deeload, W., Wattanathana, W., Jantaratana, P., Prompinit, P., Wannapaiboon, S., Singkammo, S., Sattayaporn, S., Laobuthee, A., Suramitr, S., Hanlumyuang, Y.	A Systematic Variation in Cationic Distribution and its Influence on the Magnetization of Mixed-Metal (nickel and zinc) Cobaltite Spinels	Materials Research Express (2020), 7, 096104	Q2	ISI	1.929	Materials Science and Engineering
152	BL5.2: XAS	Kidkhunthod, P.	Kidkhunthod, P	Ekwongsa, C., Rujirawat, S., Butnoi, P., Vittayakorn, N., Suttapun, M., Yimnirun, R. and Kidkhunthod, P.	Temperature Dependent Local Structure of LiCoO2 Determined by in-situ Co K-edge X-ray Absorption Fine Structure (EXAFS)	Radiation Physics and Chemistry 175 (Oct 2020): 108545	Q2	ISI	2.226	Materials Science and Engineering
153	BL5.2: XAS	Suasmoro, S.	Kidkhunthod, P	Fitriana, F., Baity, P. S. N., Zainuri, M., Kidkhunthod, P. and Suasmoro, S.	Crystal Structure and Cu/Fe K-Edge Analysis of Ba0.5Sr0.5Fe1-xCuxO3-δ (x = 0-0.2) and the Influence on Conductivity	Journal of Physics and Chemistry of Solids 154 (Jul 2021): 110065	Q2	ISI	3.442	Materials Science and Engineering
154	BL5.2: XAS	Suasmoro, S.	Kidkhunthod, P	Fitriana, F., Muniroh, M., Zainuri, M., Kidkhunthod, P., Kato, M. and Suasmoro, S.	XRD, XANES, and Electrical Conductivity Analysis of La- and Zr-Doped Ba0.5Sr0.5Fe0.9Cu0.1O3-δ Suitable for IT-SOFC Cathodes	Journal of Electronic Materials (2021): https://doi.org/10.1007/s11664-021-09110-4	Q2	ISI	1.774	Materials Science and Engineering
155	BL5.2: XAS	Hunpratub, S.	Kidkhunthod, P	Hunpratub, S., Phokha, S., Kidkhunthod, P., Chanlek, N. and Chindaprasirt, P.	The Effect of Cation Distribution on the Magnetic Properties of CoFe2O4 Nanoparticles	Results in Physics 24 (May 2021): 104112	Q2	ISI	4.019	Materials Science and Engineering
156	BL5.2: XAS	Choi, J., Lee, J. M.	Kidkhunthod, P	Jose, V., Hu, H., Edison, E., Manalastas, W., Ren, H., Kidkhunthod, P., Sreejith, S., Jayakumar, A., Nsanzimana, J. M. V., Srinivasan, M., Choi, J. and Lee, J. M.	Modulation of Single Atomic Co and Fe Sites on Hollow Carbon Nanospheres as Oxygen Electrodes for Rechargeable Zn–Air Batteries	Small Methode 5 (Feb 2021): 2000751	Q1	ISI	12.13	Materials Science and Engineering
157	BL5.2: XAS	Jutimoosik, J.	Kidkhunthod, P	Jutimoosik, J., Kidkhunthod, P., Bongkarn, T. and Yimnirun, R	Local Structure and Cation Distribution Analysis of Mn1-xZnxFe2O4 Powders by X-ray Absorption Near Edge Structure Spectroscopy	*Radiation Physics and Chemistry 188 (Nov 2021): 109628*	Q2	ISI	2.226	Materials Science and Engineering
158	BL5.2: XAS	Kamonpha, P., Kaewkhao, J. and Kothan, S.	Rujirawat, S., Kitkhuntod, P.	Kamonpha, P., Manyum, P., Chanthima, N., Tariwong, Y., Triamnak, N., Yimnirun, R., Rujirawat, S., Kidkhunthod, P., Kothan, S., Kim, H.J. and Kaewkhao, J.	Structural and Luminescence Investigation of Ce3+ Doped Lithium Barium Gadolinium Phosphate Glass Scintillator	Radiation Physics and Chemistry 185 (Aug 2021): 109488	Q2	ISI	2.226	Materials Science and Engineering
159	BL5.2: XAS	Niamnont, N.	Kidkhunthod, P.	Karawek, A., Mayurachayakul, P., Dilokpramuan, A., Srisuwannaket, C., Pratumyot, K., Mingvanish, W., Sukwattanasinitt, M., Kidkhunthod, P. and Niamnont, N.	Colorimetric Chemosensor for Cu(II) from Electrospun Nanofibrous Mat Mixed with 5-Methoxy-Salicylaldehyde Azine	Coloration Technology (2021): https://doi.org/10.1111/cote.12567	Q2	ISI	1.5	Environmental Science
160	BL5.2: XAS	Wattanakit, C.	Kidkhunthod, P	Ketkaew, M., Klinyod, S., Saenluang, K., Rodaum, C., Thivasasith, A., Kidkhunthod, P. and Wattanakit, C.	Fine-Tuning the Chemical State and Acidity of Ceria Incorporated in Hierarchical Zeolites for Ethanol Dehydration	Chemical Communications 56 (2020): 11394-11397	Q1	ISI	5.996	Chemistry
161	BL5.2: XAS	Chanlek, N.	Chanlek, N., Chirawatkul, P., Kidkhunthod, P., Rujirawat, S	Khejonrak, A., Chanlek, N., Sukkha, U., Triamnak, N., Chirawatkul, P., Kidkhunthod, P., Suttapun, M., Vittayakorn, N., Manyum, P., Rujirawat, S., Songsiriritthigul, P. and Yimnirun, R.	Effect of Thermal Annealing on the Structure of LiCoO2 Powders Prepared by co-Precipitation Method	Radiation Physics and Chemistry 189 (Dec 2021): 109766	Q2	ISI	2.226	Materials Science and Engineering
162	BL5.2: XAS	Kornphom, C	Kidkhunthod, P	Kornphom, C., Yotthuan, S., Kidkhunthod, P. and Bongkarn, T.	Stabilization of the Morphotropic Phase Boundary in (1−x)BNT-xBCTS Ceramics Prepared by the Solid-State Combustion Technique	*Radiation Physics and Chemistry 188 (Nov 2021): 109638*	Q2	ISI	2.226	Materials Science and Engineering
163	BL5.2: XAS	Wittayakun, J., Khemthong, P.	Chanlek< N., Kijkhuntod, P.	Kosri, C., Kiatphuengporn, S., Butburee, T., Youngjun, S., Tongrutkaew, S., Fuangnawakij, K., Yimsukanan, C., Chanlek< N., Kijkhuntod, P., Wittayakun, J.and Khemthong, P. (Added name: Kidkhunthod, P.)	Selective Conversion of Xylose to Lactic acid Over Metal-Based Lewis Acid Supported on γ-Al2O3 Catalysts	Catalysis Today 367 (May 2021): 205-212	Q1	ISI	5.825	Chemistry
164	BL5.2: XAS	Faungnawakij, K.		Kunthakudee, N., Khemthong, P., Luadthong , C., Panpranot, J., Mekasuwandumrong, O., Witoon, T. and Faungnawakij, K.	CuAl2O4–CuO–Al2O3 Catalysts Prepared by Flame-Spray Pyrolysis for Glycerol Hydrogenolysis	Molecular Catalysis (2021): https://doi.org/10.1016/j.mcat.2021.111426	Q1	ISI	3.687	Chemistry

165	BL5.2: XAS	Wetchakun, N.	Kidkhunthod, P.	Longchin, P., Sakulsermsuk, S., Wetchakun, K., Kidkhunthod, P. and Wetchakun, N.	Roles of Mo Dopant in Bi2WO6 for Enhancing Photocatalytic Activities	Dalton Transactions	Q1	ISI	4.174	Materials Science and Engineering
166	BL5.2: XAS	Li, L.	Kidkhunthod, P.	Meng, L., He, J., Zhou, X., Deng, K., Xu, W., Kidkhunthod, P., Long, R., Tang, Y. and Li, L.	Atomic Layer Deposition Triggered Fe-In-S Cluster and Gradient Energy Band in ZnInS Photoanode for Improved Oxygen Evolution Reaction	Nature Communications	Q1	ISI	2.64	Surface, Interface and Thin Films
167	BL5.2: XAS	Tang, Y.	Kidkhunthod, P.	Mu, S., Liu, Q., Kidkhunthod, P., Zhou, X., Wang, W. and Tang, Y.	Molecular Grafting Towards High-Fraction Active Nanodots Implanted in N-doped Carbon for Sodium Dual-Ion Batteries	National Science Review 8 (Jul 2021): nwaa178	Q1	ISI	6.71	Materials Science and Engineering
168	BL5.2: XAS	Meevasana, W.	Sattayaporn, S., Kidkhunthod, P., Nakajima, H., Chanlek, N.	Musikajaroen, S., Polin,, S., Sattayaporn, S., Jindata, W., Saenrang, W., Kidkhunthod, P., Nakajima, H., Butburee, T., Chanlek, N., Meevasana, W.	Photoenhanced Water Electrolysis in Separate O2 and H2 Cells Using Pseudocapacitive Electrodes	ACS Omega 6 (2021): 19647-55	Q1	ISI	2.87	Chemistry
169	BL5.2: XAS	Witoon, T.	Kidkhunthod, P.	Numpilai, T., Kidkhunthod, P., Cheng, C.K., Wattanakit, C., Chareonpanich, M., Limtrakul, J. Witoon, T.	CO2 Hydrogenation to Methanol at High Reaction Temperatures Over In2O3/ZrO2 Catalysts: Influence of Calcination Temperatures of ZrO2 Support	Catalysis Today 375 (Sep 2021): 298-306	Q1	ISI	5.825	Chemistry
170	BL5.2: XAS	Suasmoro, S.	Kidkhunthod, P.	Nuraini, U., Fitriana, F., Kidkhunthod, P., Baqiya, M. A. and Suasmoro, S.	The Elucidation of the Alteration Properties of BiFeO3 Doped (K0.5Na0.5)NbO3 through Local Structure Investigation	Physica B: Physics of Condensed Matter 614 (Aug 2021): 413012	Q2	ISI	1.902	Materials Science and Engineering
171	BL5.2: XAS	Padchasri, J.	Kidkhunthod, P.	Padchasri, J., Triamnak, N., Sareein, T., Jutimoosil, J., Tongsaeng, S., Bootchanont, A., Kidkhunthod, P., Rujirawat, S., Manyum, P. and Yimnirun, R.	Crystal Structure and XANES Study of Fe-substituted Barium Titanate Ceramics Prepared by Conventional Solid-State Technique	Radiation Physics and Chemistry 188 (Nov 2021): 109657	Q2	ISI	2.226	Materials Science and Engineering
172	BL5.2: XAS	Kaneko, T.		Phanthuwongpakdee, J., Harimoto, T., Babel, S., Dwivedi, S., Takada, K. and Kaneko, T.	Flame Retardant Transparent Films of Thermostable Biopolyimide Metal Hybrids	Polymer Degradation and Stability 188 (2021): 109571	Q1	ISI	4.032	Polymers
173	BL5.2: XAS	Babel, S.		Phanthuwongpakdee, J., Babel, S. and Kaneko, T.	Screening of New Bio-Based Materials for Radioactive Iodide Adsorption from Water Environment	Journal of Water Process Engineering 40 (Apr 2021): 101955	Q1	ISI	5.46	Environmental Science
174	BL5.2: XAS	Ounnunkad, K.	Kidkhunthod, P., Chanlek, N.	Phetsang, S., Khwannimit, D., Rattanakit, P., Chanlek, N., Kidkhunthod, P., Mungkornasawakul, P., Jakmunee, J. and Ounnunkad, K.	A Redox Cu(II)-Graphene Oxide Modified Screen Printed Carbon Electrode as a Cost-Effective and Versatile Sensing Platform for Electrochemical Label-Free Immunosensor and Non-enzymatic Glucose Sensor	Frontiers in Chemistry 9 (2021): article 671173	Q1	ISI	3.994	Chemistry
175	BL5.2: XAS	Ounnunkad, K.	Kidkhunthod, P., Chanlek, N.	Phetsang, S., Kidkhunthod, P., Chanlek, N., Jakmunee, J., Mungkornasawaku, P. and Ounnunkad, K.	Copper/Reduced Graphene Oxide Film Modified Electrode for Non-Enzymatic Glucose Sensing Application	Scientific Report 11 (2021): 9302	Q1	ISI	3.998	Materials Science and Engineering
176	BL5.2: XAS	Suthirakun, S., Siritanon, T.	Chanlek, N.	Phonsuksawang, P., Khajondetchairit, P., Ngamchuea, K., Butburee, T., Sattayaporn, S., Chanlek, N., Suthirakun, S.and Siritanon, T.	Enhancing Performance of NiCo2S4/Ni3S2 Supercapacitor Electrode by Mn Doping	Electrochimica Acta 368 (Feb 2021): 137634	Q1	ISI	6.215	Materials Science and Engineering
177	BL5.2: XAS	Maensiri, S.	Kidkhunthod, P.	Phumying, S., Sonsupap, S., Wongpratat, U., Kidkhunthod, P. and Maensiri, S.	A Simple Synthesis and the Magnetic Properties of Egg White Solution-Assisted Hydrothermally Prepared Magnetite (Fe3O4) Nanoparticles	Japanese Journal of Applied Physics 60 (2021): SCCF04	Q2	ISI	1.471	Materials Science and Engineering
178	BL5.2: XAS	Maensiri, S.	Chanlek, N., Kidkhunthod, P.	Phumying, S., Sichumsaeng, T., Kidkhunthod, P., Chanlek, N., Khajonrit, J., Sonsupap, S. and Maensiri, S.	Influence of Polymer Solution on the Morphology and Local Structure of NH4ZnPO4 Powders Synthesized by a Simple Precipitation Method at Room Temperature	International Journal of Minerals, Metallurgy and Materials (2020): https://doi.org/10.1007/s12613-020-2208-8	Q2	ISI	1.713	Materials Science and Engineering
179	BL5.2: XAS	Maensiri, S.	Chanlek, N., Kidkhunthod, P.	Phumying, S., Sichumsaeng, T., Sonsupap, S., Kidkhunthod, P., Chanlek, N., Pinitsoontorn, S., Khajonrit, J., and Maensiri, S.	Synthesis, Characterization, Magnetic and Ion Release Properties of NH 4MPO4.H2O (M = Mn2+, Fe2+, Co2+, Cu2+) Prepared by a Simple Precipitation Method in Water Solution	Applied Physics A 127 (2021): 352	Q2	ISI	1.81	Materials Science and Engineering
180	BL5.2: XAS	Padungthon, S.	Kidkhunthod, P.	Pranudta, A., Chanthapon, N., Kidkhunthod, P., El-Moselhy, M. M., Nguyen, T. T. and Padungthon, S.	Selective Removal of Pb from Lead-Acid Battery Wastewater using Hybrid Gel Cation Exchanger Loaded with Hydrated Iron Oxide Nanoparticles: Fabrication, Characterization, and Pilot-Scale Validation	Journal of Environmental Chemical Engineering	Q1	ISI	4.3	Materials Science and Engineering
181	BL5.2: XAS	Prasatkhetragarn, A.	Kidkhunthod, P.	Prasatkhetragarn, A., Jutimoosik, J., Jantaratana, P., Kidkhunthod, P., Yimnirun, R. and Ren, J.	Identification of Barium-site Substitution of BiFeO3–Bi0.5K0.5TiO3 Multiferroic Ceramics: X-Ray Absorption Near Edge Spectroscopy	Radiation Physics and Chemistry 170 (May 2020): 108621	Q2	ISI	2.226	Materials Science and Engineering

182	BL5.2: XAS	Prasertpalichat, S.	Kidkhunthod, P.	Prasertpalichat, S., Khengkhatkan, S., Siritanon, T., Jutimoosik, J., Kidkhunthod, P., Bongkarn, T. and Patterson, E. A.	Comparison of Structural, Ferroelectric, and Piezoelectric Properties Between A-Site and B-Site Acceptor Doped 0.93Bi0.5Na0.5TiO3-0.07BaTiO3 Lead-Free Piezoceramics	Journal of the European Ceramic Society 41 (Jul 2021): 4116-4128	Q1	ISI	4.495	Materials Science and Engineering
183	BL5.2: XAS	Lipiński, W. and Lowe, A.	Sattayaporn, S.	Riaz, A., Tsuzuki, T., Kremer, F., Sattayaporn, S., Ali, M. U., Lipiński, W. and Lowe, A.	Structural Re-Arrangement in LSM Perovskites for Enhanced Syngas Production via Solar Thermochemical Redox Cycles	ACS Catalysis 10 (2020): 8263-8276	Q1	ISI	12.35	Materials Science and Engineering
184	BL5.2: XAS	Lipiński, W. and Lowe, A.	Sattayaporn, S.	Riaz, A., Kremer, F., Kim, T., Sattayaporn, S., Tsuzuki, T., Lipiński, W. and Lowe, A.	Experimental Demonstration of Vanadium-Doped Nanostructured Ceria for Enhanced Solar Thermochemical Syngas Production	Nano Energy 81 (Mar 2021): 105639	Q1	ISI	16.602	Materials Science and Engineering
185	BL5.2: XAS	Kaewkhao, J. and Kothan, S.		Rajaramakrishna, R., Kaewjaeng, S., Kaewkhao, J. and Kothan, S.	Investigation of XANES Study and Energy Transport Phenomenon of Gd3+ to Ce3+ in CaO–SiO2–B2O3 Glasses	Optical Materials 102 (Apr 2020) 109826	Q1	ISI	2.779	Materials Science and Engineering
186	BL5.2: XAS	Rittisut, W., Kaewkhao, J. and Kothan, S.	Rujirawat, S., Kitkhuntod, P.	Rittisut, W., Wantana, N., Butburee, A., Ruangtaweep, Y., Padchasri, J., Rujirawat, S., Manyum, P., Kidkhuntod, P., Yimnirun, R., Kothan, S., Kim, H.J., Prasatkhetragarn, A., Kaewkhao, J.	Luminescent Properties of Ce3+- Cerium Doped Borate Scintillating Glass for New Neutron Detection Material	Radiation Physics and Chemistry 185 (Aug 2021): 109498	Q2	ISI	2.226	Materials Science and Engineering
187	BL5.2: XAS	Rittisut, W., Kaewkhao, J. and Kothan, S.	Rujirawat, S., Kitkhuntod, P.	Rittisut, W., Wantana, N., Ruangtaweep, Y., Mool-am-kha, P., Rujirawat, S., Manyum, P., Yimnirun, R., Kidkhuntod, P., Kothan, S., Prasatkhetragarn, A., Kim, H.J. and Kaewkhao, J.	The Radioluminescence and Photoluminescence Behaviour of Lithium Alumino Borate Glasses Doped with Tb2O3 and Gd2O3 for Green Luminescence Applications	Optical Materials 121 (2021): 111437	Q1	ISI	2.96	Materials Science and Engineering
188	BL5.2: XAS	Osakoo, N., Wittayakun, J., Khemthong, P.	Poo-arporn, Y., Kidkhunthod, P.	Ruangudomsakul, M., Osakoo, N., Wittayakun, J., Keawkumay, C., Butburee, T., Youngian, S., Faungnawakij, K., Poo-arporn, Y., Kidkhunthod, P. and Khemthong, P.	Hydrodeoxygenation of Palm Oil to Green Diesel Products on Mixed-Phase Nickel Phosphides	Molecular Catalysis	Q1	ISI	3.687	Chemistry
189	BL5.2: XAS	Sarmago, R.V.	Kidkhunthod, P.	Salazar, K.A., Agulto, V.C., Empizo, M. J. F., Shinohara, K., Yamanoi, K., Shimizu, T., Sarukura, N., Yago, A. C. C., Kidkhunthod, P., Sattayaporn, S., Ann V., Samson, I. and Sarmago, R.V.	Picosecond UV Emissions of Hydrothermal Grown Fe3+-doped ZnO Microrods	Journal of Crystal Growth	Q2	ISI	1.86	Materials Science and Engineering
190	BL5.2: XAS	Sattayaporn, S.	Sattayaporn, S., Rodporn, S., Kidkhunthod, P., Chanlek, N. and Rujirawat, S.	Sattayaporn, S., Rodporn, S., Kidkhunthod, P., Chanlek, N., Yonchai, C. and Rujirawat, S.	A Compact Furnace for in Situ X-Ray Absorption Spectroscopy: Design, Fabrication and Study of Cationic Oxidation States in Pr6O11 and NiO	Journal of Synchrotron Radiation 28 (Mar 2021): 455 - 460	Q1	ISI	2.251	Materials Science and Engineering
191	BL5.2: XAS	Kidkhunthod, P.	Chanlek, N., Poo-arporn, Y., Kidkhunthod, P.	Senanon, W., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Maensiri, S., Laorodphan, N., Songsiriritthigul, P., Khemthong, P. and Kidkhunthod, P.	Development of Co-Doped Li2S-Borate-Based Glass System as Energy Storage Applications: X-ray Absorption Spectroscopy Aspect	Journal of Non-Crystalline Solids 562 (Jun 2021): 120781	Q1	ISI	2.929	Materials Science and Engineering
192	BL5.2: XAS	Kidkhunthod, P.	Chanlek, N., Poo-arporn, Y., Kidkhunthod, P.	Senanon, W., Phaiboon, P., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Maensiri, S., Khajonrit, J. and Kidkhunthod, P.	Effect of Mn on Lithium-Sulphate-Borated Based Glass as Energy Storage Applications	Journal of Non-Crystalline Solids 552 (Jan 2021): 120445	Q1	ISI	2.929	Materials Science and Engineering
193	BL5.2: XAS	Kidkhunthod, P.	Kidkhunthod, P.	Sindhupakorn, S. and Kidkhunthod, P.	Structural Investigation in Subchondral Bone of Osteoarthritic Knee: Phosphorous K-edge XAS	Radiation Physics and Chemistry 187 (2021): 109584	Q2	ISI	2.226	Medical Application
194	BL5.2: XAS	Siritapetawee, J.	Limphirat, W., Pakawanit, P., Phoovasawat, C.	Siritapetawee, J., Limphirat, W., Pakawanit, P., Phoovasawat, C.	Application of Bacillus sp. Protease in the Fabrication of Silver/Silver Chloride Nanoparticles in Solution and Cotton Gauze Bandages	Biotechnology and Applied Biochemistry	Q2	ISI	1.638	Medical Application
195	BL5.2: XAS	Sudrajat, H.		Sudrajat, H., Hartuti, S. and Nguyen, T. K.	Lanthanum Chromite for Visible Light-Driven Photocatalytic Hydrogen Evolution	Optik 207 (Apr 2020): 163807	Q2	ISI	2.187	Materials Science and Engineering
196	BL5.2: XAS	Sudrajat, H.		Sudrajat, H. and Nguyen, T. K.	Key Factors Controlling the Durability of a Cu-doped TiO2 Photocatalyst	Optik 217 (Sep 2020): 164914	Q2	ISI	2.187	Chemistry
197	BL5.2: XAS	Sudrajat, H.		Sudrajat, H., Hartuti, S., Babel, S., Nguyen, T. K. and Tong, H. D.	SnO2/ZnO Heterostructured Nanorods: Structural properties and Mechanistic Insights into the Enhanced Photocatalytic Activity	Journal of Physics and Chemistry of Solids 149 (Feb 2021): 109762	Q2	ISI	3.442	Chemistry
198	BL5.2: XAS	Sawangphruk, M.		Suksomboon, M., Kongsawatvoragul, K., Duangdangchote, S. and Sawangphruk, M.	Reducing the Energy Band Gap of Cobalt Hydroxide Nanosheets with Silver Atoms and Enhancing Their Electrical Conductivity with Silver Nanoparticles	ACS Omega 6 (2021): 20804-20811	Q1	ISI	2.87	Materials Science and Engineering

199	BL5.2: XAS	Wantala, K.	Kidkhunthod, P.	Suwannaruang, T., Kidkhunthod, P., Butburee, T., Shivaraju, H. P., Shahmoradi, B. and Wantala, K.	Facile Synthesis of Cooperative Mesoporous-Assembled CexSr1-xFexTi1-xO3 Perovskite Catalysts for Enhancement Beta-Lactam Antibiotic Photodegradation Under Visible Light Irradiation	Surface and Interface 23 (Apr 2021): 101013	Q1	ISI	3.724	Chemistry
200	BL5.2: XAS	Siripattanakul-Ratpukdi, S.	Kidkhunthod, P., Chanlek, N.	Therdkiattikul, N., Ratpukdi, T., Kidkhunthod, P., Chanlek, N. and Siripattanakul-Ratpukdi, S.	Manganese-Contaminated Groundwater Treatment by Novel Bacterial Isolates: Kinetic Study and Mechanism Analysis using Synchrotron-Based Techniques	Sientfic Report 10 (2020): 13391	Q1	ISI	4.12	Einvironmental Science
201	BL5.2: XAS	Pistidda , C., Utke, R.	Kidkhunthod, P., Utke, O	Thiangviriya, S., Plerdsranoy, P., Hagenah, A., Le, T. T., Kidkhunthod, P., Utke, O., Dornheim, M., Klassen, T., Pistidda, C. and Utke, R.	Effects of Ni-loading contents on dehydrogenation kinetics and reversibility of Mg2FeH6	International Journal of Hydrogen Energy	Q1	ISI	4.939	Materials Science and Engineering
202	BL5.2: XAS	Sawangphruk, M.	Kidkhunthod, P.	Tomon, C., Sarawutanukul, S., Phattharasupakun , N., Duangdangchote, S., Chomkhundtod, P., Kidkhunthod, P. and Sawangphruk, M.	Insight into Photoelectrocatalytic Mechanisms of Bifunctional Cobaltite Hollow-Nanofibers Towards Oxygen Evolution and Oxygen Reduction Reactions for High-Energy Zinc-Air Batteries	Electrochimica Acta 392 (Oct 2021): 13902	Q1	ISI	6.215	Materials Science and Engineering
203	BL5.2: XAS	Singhatanadgit, W., Khemthong, P		Toso, M., Singhatanadgit, W., Boonrungsiman, S., Youngjan, S. and Khemthong, P.	Investigating Mineralization species in Cultured Bone from Human Mesenchymal Stem Cells using Synchrotron-based XANES	Radiation Physics and Chemistry 177 (Dec 2020): 109074	Q2	ISI	2.226	Biological and Life Science
204	BL5.2: XAS	Chanapattharapol, K.C.	Kidkhunthod, P., Poo-arporn, Y.	Unwiset, P., Chanapattharapol, K.C., Kidkhunthod, P., Poo-arporn, Y. and Ohtani, B.	Catalytic Activities of Titania-Supported Nickel for Carbon-Dioxide Methanation	Chemical Engineering Science 228 (Dec 2020): 115955	Q1	ISI	3.871	Chemistry
205	BL5.2: XAS	Srinivasan, M.	Sattayaporn, S., Kidkhunthod, P	Verma, V., Moesha Chan, R., Jia Yang, L., Kumar, S., Sattayaporn, S., Chua, R., Cai, Y., Kidkhunthod, P., Manalastas, Jr., W. and Srinivasan, M.	Chelating Ligands as Electrolyte Solvent for Rechargeable Zinc-Ion Batteries	Chemistry of Materials 33 (2021): 1330-1340	Q1	ISI	9.567	Materials Science and Engineering
206	BL5.2: XAS	Prompinit, P.		Viboonratanasri, D., Thongdee, P., Prajuabsuk, M., Pungpo, P., Vayachuta, L. and Prompinit, P.	Precisely Controlled Delivery of Plant Hormone using Poly(vinyl Alcohol)/Zeolite A Hydrofilm Composite	Polymer Engineering Scince 61 (Aug 2021): 2172-82	Q2	ISI	1.917	Polymers
207	BL5.2: XAS	Kothan, S., Kaewkhao, J.		Wantana, N., Ruangtaweep, Y., Kaewnuam, E., Kothan, S., Kim, H.J., Prasatkhetragarn, A. and Kaewkhao, J.	Strong Emission from Ce3+ Doped Gadolinium Oxyfluoroborate Scintillation Glasses Matrix	Radiation Physics and Chemistry 185 (Aug 2021): 109497	Q2	ISI	2.226	Materials Science and Engineering
208	BL5.2: XAS	Salakhum, S.	Kidkhunthod, P.	Wetchasat, P., Salakhum, S., Imyen, T., Suttipat, D., Wanna pakdee, W., Ketkaew, M., Prasertsab, A., Kidkhunthod, P., Witoon, T. and Wattanakit, C.	One-Pot Synthesis of Ultra-Small Pt Dis-persed on Hierarchical Zeolite Nanosheet Surfaces for Mild Hydrodeoxygenation of 4-Propylphenol	Catalysts 11 (2021): 333	Q2	ISI	3.52	Chemistry
209	BL5.2: XAS	Tang, Y.	Kidkhunthod, P.	Wu, N., Zhou, X., Kidkhunthod, P., Yao, W., Song, T. and Tang, Y.	K-Ion Battery Cathode Design Utilizing Trigonal Prismatic Ligand Field	Advanced Materials 33 (Jun 2021): 2101788	Q1	ISI	27.398	Materials Science and Engineering
210	BL5.2: XAS	Sawangphruk, M.	Kidkhunthod, P., Chanlek, N.	Wuamprakhon, P., Krittayavathananon, A., Kosasang, S., Ma, N., Maihom, T., Limtrakul, J., Chanlec, N., Kidkhunthod, P. and Sawangphruk, M. (Added name: Chanlek, N.)	Effect of Intercalants inside Birnessite-Type Manganese Oxide Nanosheets for Sensor Applications	Inorganic Chemistry 59 (2020): 15595-15605	Q1	ISI	4.825	Chemistry
211	BL5.2: XAS	Prasatkhetragarn, A., Kothan, S.	Rujirawat, S., Kidkhuntod, P.	Yodkantee, D., Prasatkhetragarn, A., Chantima, N., Tariwong, Y., Kothan, S., Rujirawat, S., Yimnirun, R., Kidkhuntod, P., Kim, H. J., Limsuwan, P. and Kaewkhao, J.	Luminescence and Physical Properties of Ce3+-Doped Potassium Gadolinium Phosphate Glasses for Radiation Detector Application	Radiation Physics and Chemistry 185 (Aug 2021): 109496	Q2	ISI	2.226	Materials Science and Engineering
212	BL5.3: XPS	Abd Rahman, M. N., Shuhaimi, A.	Chanlek, N.	Abd Rahman, M. N., Shuhaimi, A., Seng, O. C., Tan, G., Anuar, A., Talik, N. A., Abdul Khudus, M. I. M., Chanlek, N. and Abd Majid, W. H.	The Crystallographic Quality and Band-Edge Transition of as-Deposited PALE AlN Films via Metal Organic Chemical Vapor Deposition	The Journal of Materials Science: Materials in Electronics 32 (2021): 3211-3221	Q2	ISI	2.22	Surface, Interface and Thin Films
213	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Boonlakhorn, J., Chanlek, N., Srepusharawoot, P. and Thongbai, P.	Controlling Microstructure and Significantly Increased Dielectric Permittivity with Largely Reduced Dielectric Loss in CaCu3−xGexTi4O12 Ceramics	Applied Physics A 126 (2020): 897	Q2	ISI	1.81	Materials Science and Engineering
214	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Boonlakhorn, J., Chanlek, N., Manyam, J., Krongsuk, S., Srepusharawoot, P. and Thongbai, P.	Ge4+ Doped CaCu2.95Zn0.05Ti4O12 Ceramics: Two-Step Reduction of Loss Tangent	Ceramics International 47 (Jun 2021): 17099-17108	Q1	ISI	3.83	Materials Science and Engineering

215	BL5.3: XPS	Thongbai, P	Chanlek, N.	Boonlakhorn, J., Chanlek, N., Srepusharawoot, P. and Thongbai, P.	Improved Dielectric Properties of CaCu3−xSnxTi4O12 Ceramics with High Permittivity and Reduced Loss Tangent	Journal of Materials Science: Materials in Electronics 18 (2020):	Q2	ISI	2.22	Materials Science and Engineering
216	BL5.3: XPS	Srepusharawoot, P.	Chanlek, N.	Boonlakhorn, J., Chanlek, N., Thongbai, P. and Srepusharawoot, P.	Strongly Enhanced Dielectric Response and Structural Investigation of (Sr2+, Ge4+) Co-doped CCTO Ceramics	The Journal of Physical Chemistry C. 124 (2020): 20682-20692	Q1	ISI	4.189	Materials Science and Engineering
217	BL5.3: XPS	Srepusharawoot, P.	Chanlek, N.	Boonlakhorn, J., Chanlek, N., Manyam, J., Krongsuk, S., Thongbai, P. and Srepusharawoot, P.	Structural and Dielectric Properties, and Nonlinear Electrical Response of the CaCu3-xZnxTi4O12 Ceramics: Experimental and Computational Studies	Ceramics International 47 (Aug 2021): 22390-22396	Q1	ISI	3.83	Materials Science and Engineering
218	BL5.3: XPS	Intasanta, V.		Butnoi, P., Pangon, A., Berger, R., Butt, H. J. and Intasanta, V.	Electrospun Nanocomposite Fibers from Lignin and Iron Oxide as Supercapacitor Material	Journal of Materials Research and Technology 12 (May-Jun 2021): 2153-2167	Q1	ISI	5.289	Materials Science and Engineering
219	BL5.3: XPS	Kidkhunthod, P.	Chanlek, N., Poo-arporn, Y., Songsiriritthigul, P., Kidkhunthod, P.	Butnoi, P., Senanon, W., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Maensiri, S., Songsiriritthigul, P., Khemthong, P. and Kidkhunthod, P.	Structure and Effect of Diamagnetism on Manganese Lithium Phosphate Glass to Cathode Materials Application	Progress in Natural Science: Materials International 31 (Jun 2021): 420-427	Q1	ISI	4	Materials Science and Engineering
220	BL5.3: XPS	Maensiri, S.	Chanlek, N.	Chaisit, S., Chanlek, N., Khajonrit, J., Sichumsaeng, T. and Maensiri, S.	Preparation, Characterization, and Electrochemical properties of KOH-Activated Carbon from Cassava Root	Materials Research Express 7 (Oct 2020): 105605	Q2	ISI	1.41	Materials Science and Engineering
221	BL5.3: XPS	Chunjaemsri, T.	Chanlek, N., Kidkhunthod, P., Nakajima, H., Tunmee, S., Rujirawat, S.	Chunjaemsri, T., Chongsereecharoen, E., Chanlek, N., Kidkhunthod, P., Nakajima, H., Tunmee, S., Yimnirun, R., Rujirawat, S.	Influence of RF Power and CH4 Flow Rate on Properties of Diamond-Like Carbon Films Deposited by PECVD Technique	Radiation Physics and Chemistry 176 (Nov 2020): 109073	Q2	ISI	2.226	Surface, Interface and Thin Films
222	BL5.3: XPS	Suramitr, S., Hanlumyuang, Y.	Wannapaiboon, S., Sattayaporn, S.	Deeload, W., Wattanathana, W., Jantaratana, P., Prompinit, P., Wannapaiboon, S., Singkammo, S., Sattayaporn, S., Laobuthee, A., Suramitr, S., Hanlumyuang, Y.	A Systematic Variation in Cationic Distribution and its Influence on the Magnetization of Mixed-Metal (nickel and zinc) Cobaltite Spinels	Materials Research Express 7 (2020) 096104	Q2	ISI	1.929	Materials Science and Engineering
223	BL5.3: XPS	Jalil, A. A	Chanlek, N.	Fauzi, A. A., Jalil, A. A., Hitam, C. N. C., Aziz, F. F. A. and Chanlek, N.	Superior Sulfate Radicals-Induced Visible-Light-Driven Photodegradation of Pharmaceuticals by Appropriate Ce Loading on Fibrous Silica Ceria	Journal of Environmental Chemical Engineering 8 (Dec 2020): 104484	Q1	ISI	4.300	Chemistry
224	BL5.3: XPS	Supangat, A.	Tunmee, S., Chanlek, N	Hisamuddin, S. N., Abdullah, S. M., Alwi, S. A. K., Majid, S. R., Anuar, A., Sulaiman, K., Tunmee, S., Chanlek, N., Bawazeer, T. M., Alsoufi, M. S., Alsenany, N. and Supangat, A	Optimizing the Performance of P3HT-Based Photodetector by Tuning the Composition of OXCBA	Synthetic Metals 268 (Oct 2020): 116506	Q1	ISI	3.286	Materials Science and Engineering
225	BL5.3: XPS	Jalil, A. A	Chanlek, N.	Hitam, C.N.C., Jalil, A. A., Izan, S.M.,Azami, M. S., Hassim, M. H. and Chanlek, N.	The Unforeseen Relationship of Fe2O3 and ZnO on Fibrous Silica KCC-1 Catalyst for Fabricated Z-Scheme Extractive-Photooxidative Desulphurization	Powder Technology 375 (Sep 2020): 397-408	Q1	ISI	4.217	Chemistry
226	BL5.3: XPS	Ibrahim, I. R.	Chanlek, N., Nakajima, H.	Ibrahim, I. R., Matori, K. A., Ismail, I., Rusly, S. N. A., Nazlan, R., Yusof, N. H., Zaid, M. H. N., Chanlek, N., Nakajima, H., Daud, M. H. N. and Bahmanrokh, G.	Influence of Nanometric Microstructural Development on Thermophysical Properties of Lanthanum-Doped Strontium Titanate	Materials Chemistry and Physics 270 (Sep 2021): 124867	Q2	ISI	3.408	Materials Science and Engineering
227	BL5.3: XPS	Lim, H. N.	Busayaporn, W., Nakajima, H.	Ibrahim, I., lim, H. N., Wan, N. W. K., Huang, N. M., Lim, S. P., Busayaporn, W. and Nakajima, H.	Plasmonic Silver Sandwich Structured Photoanode and Reflective Counter Electrode Enhancing Power Conversion Efficiency of Dye-Sensitized Solar Cell	Solar Energy 215 (Feb 2021): 403-409	Q1	ISI	4.608	Materials Science and Engineering
228	BL5.3: XPS	Jaiban, P.		Jaiban, P., Wannasut, P., Yimnirun, R. and Watcharapasorn, A.	Influences of Acceptor Dopants (Cu, Mg, Fe) on Electrical and Optical Properties of Ba0.7Ca0.3TiO3 Ceramics	Materials Research Bulletin 118 (Oct 2019): 110501	Q1	ISI	4.019	Materials Science and Engineering
229	BL5.3: XPS	Junio, J. B.	Chirawatkul, P.	Junio, J. B., Chirawatkul, P., Conato, M. T. and Mercado, C. C.	Substitution of Ca2+ in Calcite by Sn2+ and Sr2+ Cations Through Ion Exchange Characterized by X-ray Absorption and Photoelectron Spectroscopies	MRS Advances 6 (2021): 342–349	Q3	ISI	0.79	Materials Science and Engineering
230	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Jumpatam, J., Putasaeng, B., Chanlek, N., Boonlakhorn, J., Thongbai, P., Phromviyo, N. and Chindaprasirt, P.	Significantly Improving the Giant Dielectric Properties of CaCu3Ti4O12 Ceramics by Co-doping with Sr2+ and F- Ions	Materials Research Bulletin 133 (Jan 2021): 111043	Q1	ISI	4.019	Materials Science and Engineering

231	BL5.3: XPS	Wantala, K.	Chirawatkul , P., Kamonsuangkasem , K., Chanlek, N.	Kaewbuddee, C., Chirawatkul, P., Kamonsuangkasem, K., Chanlek, N. and Wantala, K.	Structural Characterizations of Copper Incorporated Manganese Oxide OMS-2 Material and Its Efficiencies on Toluene Oxidation	Chemical Engineering Communications (2021): https://doi.org/10.1080/00986445.2021.1872021	Q2	ISI	1.802	Chemistry
232	BL5.3: XPS	Ruttanapun, C.	Chanlek, N.,	Karaphun, A., Tuichai, W., Chanlek, N., Siriwong, C. and Ruttanapun, C.	Dielectric and Electrochemical Properties of Hybrid Pt Nanoparticles Deposited on Reduced Graphene Oxide Nanoparticles /poly (vinylidene fluoride) Nanocomposites	Materials Today Communications 27 (Jun 2021): 102232	Q2	ISI	2.678	Materials Science and Engineering
233	BL5.3: XPS	Ruttanapun, C.	Chanlek, N.	Karaphun, A., Phrompet, C., Tuichai, W., Chanlek, N., Sriwong, C. and Ruttanapun, C.	The Influence of Annealing on a Large Specific Surface Area and Enhancing Electrochemical Properties of Reduced Graphene Oxide to Improve the Performance of the Active Electrode of Supercapacitor	Materials Science and Engineering B 264 (Feb 2021): 114941	Q1	ISI	4.706	Surface, Interface and Thin Films
234	BL5.3: XPS	Kongparakul, K.	Chanlek, N., Pakawanit, P.	Kettum, W., Samart, C., Chanlek, N., Pakawanit, P., Reubroycharoen, P., Guan, G., Kongparakul, S. and Kiatkamjornwong, S.	Enhanced Adsorptive Composite Foams for Copper (II) Removal Utilising Bio-Renewable Polyisoprene-Functionalised Carbon Derived from Coconut Shell Waste	Scientific Reports 11 (2021): 1459	Q1	ISI	3.998	Environmental Science
235	BL5.3: XPS	Chanlek, N.	Chanlek, N., Chirawatkul, P., Kidkhunthod, P., Rujirawat, S	Khejonrak, A., Chanlek, N., Sukkha, U., Triamnak, N., Chirawatkul, P., Kidkhunthod, P., Suttapun, M., Vittayakorn, N., Manyum, P., Rujirawat, S., Songsiriritthigul, P. and Yimnirun, R.	Effect of Thermal Annealing on the Structure of LiCoO2 Powders Prepared by co-Precipitation Method	Radiation Physics and Chemistry 189 (Dec 2021): 109766	Q2	ISI	2.226	Materials Science and Engineering
236	BL5.3: XPS	Grisdanurak, N.		Khunphonoi, R., Wantala, K. and Grisdanurak, N.	Hydrothermal Synthesis of Monocopper Sulfide for Hydrogen Peroxide-Assisted Photodegradation of Paraquat	Environmental Engineering Research 26 (2021): 190484	Q3	ISI	1.22	Chemistry
237	BL5.3: XPS	Pojprapai, S.	Chanlek, N.	Kongtungmon, M., Kundhikanjana, W., Supadee, L., Chanlek, N. and Pojprapai, S.	Dissolution Mechanism of MgO Thin Film Shielding Layer in Tunneling Magnetoresistance Hard Disk Drive Read Head	Materials Today Communications 25 (Dec 2020): 101374	Q2	ISI	2.68	Surface, Interface and Thin Films
238	BL5.3: XPS	Wittayakun, J., Khemthong, P.	Chanlek< N., Kijkhuntod, P.	Kosri, C., Kiatphuengporn, S., Butburee, T., Youngjun, S., Tongrutkaew, S., Fuangnawakij, K., Yimsukanan, C., Chanlek< N., Kijkhuntod, P., Wittayakun, J.and Khemthong, P. (Added name: Kidkhunthod, P.)	Selective Conversion of Xylose to Lactic acid Over Metal-Based Lewis Acid Supported on γ-Al2O3 Catalysts	Catalysis Today 367 (May 2021): 205-212	Q1	ISI	5.825	Chemistry
239	BL5.3: XPS	Kulawong, S.	Chanlek, N.	Kulawong, S., Chanlek, N. and Osakoo, N.	Facile Synthesis of Hierarchical Structure of NaY Zeolite using Silica from Cogon Grass for Acid Blue 185 Removal from Water	Journal of Environmental Chemical Engineering 8 (Oct 2020): 104114	Q1	ISI	4.3	Environmental Science
240	BL5.3: XPS	Kulawong, S., Osakoo, N	Chanlek, N.	Kulawong, S., Youngjan, S., Khemthong, P., Chanlek, N., Wittayakun, J. and Osakoo, N	Magnesium Impregnated on NaX Zeolite Synthesized from Cogon Grass Silica for Fast Production of Fructose via Microwave-Assisted Catalytic Glucose Isomerization	Catalysts 11 (2021): 981	Q2	ISI	3.623	Chemistry
241	BL5.3: XPS	Srepusharawoot, P.	Chanlek, N.	Kum-onsa, P., Chanlek, N., Thongbai, P. and Srepusharawoot, P.	Effect of Complex Defects on the Origin of Giant Dielectric Properties of Mg2+−doped BiFeO3 Ceramics Prepared by a Precipitation Method	Ceramics International 46 (Nov 2020): 25017-25023	Q1	ISI	3.83	Materials Science and Engineering
242	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Kum-onsa, P., Chanlek, N. and Thongbai, P.	Largely Enhanced Dielectric Properties of TiO2-Nanorods/Poly(vinylidene fluoride) Nanocomposites Driven by Enhanced Interfacial Areas	Nanocomposites 7 (2021): 123-131	Q1	ISI	3.24	Materials Science and Engineering
243	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Kum-onsa, P., Chanlek, N., Takesada, M., Srepusharawoot, P. and Thongbai, P.	La3+Mg2+ Codoped BiFeO3 Nanopowders: Synthesis, Characterizations, and Giant Dielectric Relaxations	Engineering and Applied Science Research 48 (2021)	Q3	ISI	0.79	Materials Science and Engineering
244	BL5.3: XPS	Kruefu, V.	Chanlek, N.	Leangtanom, P., Wisitsoraat, A., Jaruwongrungsee, K., Chanlek, N., Phanichphant, S. and Kruefu, V.	Highly Sensitive and Selective Ethylene Gas Sensors Based on CeOx-SnO2 Nanocomposites Prepared by a Co-Precipitation method	Materials Chemistry and Physics 254 (Nov 2020): 123540	Q2	ISI	3.408	Materials Science and Engineering
245	BL5.3: XPS	Fen, W. F.	Chanlek, N.	Mohd Daniyal, W M. E. M., Fen, W. F., Abdullah, J., Hashim, H. S., Fauzi, N. I. M., Chanlek, N. and Mahdi, M. A.	X-ray Photoelectron Study on Gold/Nanocrystalline Cellulose-Graphene Oxide Thin Film as Surface Plasmon Resonance Active Layer for Metal Ion Detection	Thin Solid Films 713 (Nov 2020): 138340	Q2	ISI	2.03	Surface, Interface and Thin Films

246	BL5.3: XPS	Meevasana, W.	Sattayaporn, S., Kidkhunthod, P., Nakajima, H., Chanlek, N.	Musikajaroen, S., Polin,, S., Sattayaporn, S., Jindata, W., Saenrang, W., Kidkhunthod, P., Nakajima, H., Butburee, T., Chanlek, N., Meevasana, W.	Photoenhanced Water Electrolysis in Separate O2 and H2 Cells Using Pseudocapacitive Electrodes	ACS Omega 6 (2021): 19647-55	Q1	ISI	2.87	Chemistry
247	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Nachaithong, T., Chanlek, N., Moontragoon, P. and Thongbai, P.	The Primary Origin of Excellent Dielectric Properties of (Co, Nb) Co-Doped TiO2 Ceramics: Electron-Pinned Defect Dipoles vs. Internal Barrier Layer Capacitor Effect	Molecules 26 (2021): 3230	Q1	ISI	3.267	Materials Science and Engineering
248	BL5.3: XPS	Olegario, E. M.	Chanlek, N., Nakajima, H.	Olegario, E.M., Pelicano, C. M., Cosinero, H. S., Sayson, L. V., Chanlek, N., Nakajima, H. and Santos, G. N.	Facile Synthesis and Electrochemical Characterization of Novel Metal Oxide/ Philippine Natural Zeolite (MOPNZ) Nanocomposites	Materials Letters 294 (Jul 2021): 129799	Q1	ISI	3.204	Materials Science and Engineering
249	BL5.3: XPS	Vasquez, Jr., M. R.	Chanlek, N.	Panghulan, G. R., Vasquez, Jr., M. R., Edanoi, Y. D., Chanlek, N. and Payawan, Jr., L. M.	Synthesis of TiN/N-Doped TiO2 Composite Films as Visible Light Active Photocatalyst	Journal of Vacuum Science & Technology 38 (Nov-Dec 2020): 062203	Q2	ISI	1.511	Surface, Interface and Thin Films
250	BL5.3: XPS	Samart, C.	Poo-arporn, Y., Chanlek, N.	Panpian, P., Tran, T. T. V., Kongparakul, S., Attanatho, L., Wang, P., Guan, G., Chanlek, N., Poo-arporn, Y. and Samart, C.	Production of Bio-Jet Fuel through Ethylene Oligomerization using NiAlKIT-6 as a Highly Efficient Catalyst	Fuel 287 (Mar 2021): 119831	Q1	ISI	5.578	Chemistry
251	BL5.3: XPS	Babel, S.	Sattayaporn, S.	Phanthuwongpakdee, J., Babel, S., Laohhasurayotin, K., Sattayaporn, S. and Kaneko, T.	Anthocyanin Based Agricultural Wastes as Bio-Adsorbents for Scavenging Radioactive Iodide from Aqueous Environment	Journal of Environmental Chemical Engineering 8 (Oct 2020): 104147	Q1	ISI	4.3	Environmental Science
252	BL5.3: XPS	Ounnunkad, K.	Kidkhunthod, P., Chanlek, N.	Phetsang, S., Khwannimit, D., Rattanakit, P., Chanlek, N., Kidkhunthod, P., Mungkornasawakul, P., Jakmunee, J. and Ounnunkad, K.	A Redox Cu(II)-Graphene Oxide Modified Screen Printed Carbon Electrode as a Cost-Effective and Versatile Sensing Platform for Electrochemical Label-Free Immunosensor and Non-enzymatic Glucose Sensor	Frontiers in Chemistry 9 (2021): article 671173	Q1	ISI	3.994	Chemistry
253	BL5.3: XPS	Ounnunkad, K.	Kidkhunthod, P., Chanlek, N.	Phetsang, S., Kidkhunthod, P., Chanlek, N., Jakmunee, J., Mungkornasawaku, P. and Ounnunkad, K.	Copper/Reduced Graphene Oxide Film Modified Electrode for Non-Enzymatic Glucose Sensing Application	Scientific Report 11 (2021): 9302	Q1	ISI	3.998	Materials Science and Engineering
254	BL5.3: XPS	Suthirakun, S., Siritanon, T.	Chanlek, N.	Phonsuksawang, P., Khajondetchairit, P., Ngamchuea, K., Butburee, T., Sattayaporn, S., Chanlek, N., Suthirakun, S.and Siritanon, T.	Enhancing Performance of NiCo2S4/Ni3S2 Supercapacitor Electrode by Mn Doping	Electrochimica Acta 368 (Feb 2021): 137634	Q1	ISI	6.215	Materials Science and Engineering
255	BL5.3: XPS	Maensiri, S.	Chanlek, N., Kidkhunthod, P.	Phumying, S., Sichumsaeng, T., Kidkhunthod, P., Chanlek, N., Khajonrit, J., Sonsupap, S. and Maensiri, S.	Influence of Polymer Solution on the Morphology and Local Structure of NH4ZnPO4 Powders Synthesized by a Simple Precipitation Method at Room Temperature	International Journal of Minerals, Metallurgy and Materials (2020): https://doi.org/10.1007/s12613-020-2208-8	Q2	ISI	1.713	Materials Science and Engineering
256	BL5.3: XPS	Maensiri, S.	Chanlek, N., Kidkhunthod, P.	Phumying, S., Sichumsaeng, T., Sonsupap, S., Kidkhunthod, P., Chanlek, N., Pinitsoontorn, S., Khajonrit, J., and Maensiri, S.	Synthesis, Characterization, Magnetic and Ion Release Properties of NH 4MPO4.H2O (M = Mn2+, Fe2+, Co2+, Cu2+) Prepared by a Simple Precipitation Method in Water Solution	Applied Physics A (2021): 127:352	Q2	ISI	1.81	Materials Science and Engineering
257	BL5.3: XPS	Nanan, S.	Nijpanich, S., Chanlek, N.	Piriyanon, J., Chankhanittha, T., Youngme, S., Hemavibool, K., Nijpanich, S., Juabrum, S., Chanlek, N. and Nanan, S.	Fabrication of MoS2/Ag3PO4 S-scheme Photocatalyst for Visible-Light-Active Degradation of Organic Dye and Antibiotic in Wastewater	Journal of Materials Science: Materials in Electronics 32 (2021): 19798–19819	Q2	ISI	2.22	Materials Science and Engineering
258	BL5.3: XPS	Utke, R.	Poo-arporn, Y., Chanlek, N., Utke, O.	Plerdsanoy, P., Thaweelap, N., Poo-arporn, Y., Khajondetchairit, P., Suthirakun, S., Fongkaew, I., Chanlek, N., Utke, O., Pangon, A. and Utke, R.	Hydrogen Adsorption of O/N-Rich Hierarchical Carbon Scaffold Decorated with Ni Nanoparticles: Experimental and Computational Studies	International Journal of Hydrogen Energy 46 (Jan 2021): 5427-5440	Q1	ISI	4.939	Materials Science and Engineering
259	BL5.3: XPS	Harnchana, V., Chingsungnoen, A.	Chanlek, N.	Prada, T., Harnchana, V., Lakhonchai, A., Chingsungnoen, A., Poolcharuansin, P., Chanlek, N., Klamchuen, A., Thongbai, P. and Amornkitbamrung, V.	Enhancement of Output Power Density in a Modified Polytetrafluoroethylene Surface using a Sequential O2/Ar Plasma Etching for Triboelectric Nanogenerator Applications	Nano Research (2021): https://doi.org/10.1007/s12274-021-3470-4	Q1	ISI	8.183	Surface, Interface and Thin Films
260	BL5.3: XPS	Padungthon, S.	Chanlek, N.	Pranudta, A., El-Moselhy, M. M., Kamal, S. M., Chanlek, N., Nguyen, T. T. and Padungthon, S.	Silica Gel Modified with a Novel Sulfur-Containing Organic Ligand (2-(benzo[d]thiazol-2-yl)-3,3-Dimercapto Acrylonitrile) for Enhance Hg and Pb Removal	Chemical Engineering Journal Advances 6 (May 2021): 100110	n/a		n/a	Environmental Science

261	BL5.3: XPS	Wittayakun, J., Khemthong, P.	Chanlek, N.	Rakngam, I., Osakoo, N., Wittayakun, J., Chanlek, N., Pengsawang, A., Sosa, N., Butburee, T., Faungnawakij, K. and Khemthong, P.	Properties of Mesoporous Al-SBA-15 from Onepot Hydrothermal Synthesis with Different Aluminium Precursors and Catalytic Performances in Xylose Conversion to Furfural	Microporous and Mesoporous Materials 317 (Apr 2021): 110999	Q1	ISI	4.551	Chemistry
262	BL5.3: XPS	Supasai, T.	Chanlek, N.	Rosungnern, U., Kumnorkaew, P., Kayunkid, N., Chanlek, N., Li, Y., Tang, I-M., Thongprong, N., Rujisamphan, N. and Supasai, T.	Impact of a Spun-Cast MoOx Layer on the Enhanced Moisture Stability and Performance-Limiting Behaviors of Perovskite Solar Cells	Applied Energy Materials 4 (2021): 3169-3181	Q1	ISI	4.473	Materials Science and Engineering
263	BL5.3: XPS	Osakoo, N., Wittayakun, J., Khemthong, P.	Chanlek, N.	Ruangudomsakul, M., Osakoo, N., Keawkumay, C., Kongmanklang, C., Butburee, T., Kiatphuengporn, S., Faungnawakij, K., Chanlek, N., Wittayakun, J. and Khemthong, P.	Influential Properties of Activated Carbon on Dispersion of Nickel Phosphides and Catalytic Performance in Hydrodeoxygenation of Palm Oil	Catalysis Today 367 (May 2021): 153-164	Q1	ISI	6.25	Chemistry
264	BL5.3: XPS	Roslan, N. A.		Safian, N. A. M., Anuar, A., Omar, A. Z., Bawazeer, T. M., Alsenany, N., Alsoufi, M. S., Supangat, A. and Roslan, N. A.	Enhanced Sensitivity of Zinc Phthalocyanine-Based Microporous Humidity Sensors by Varying Size of Electrode Gaps	Sensors & Actuators: B. Chemical 343 (2021): 130158	Q1	ISI	7.34	Materials Science and Engineering
265	BL5.3: XPS	Chokejaroenrat, C.		Sakulthaew, C., Watcharenwong, A., Chokejaroenrat, C. and Rittirat, A.	Leonardite-Derived Biochar Suitability for Effective Sorption of Herbicides	Water, Air, & Soil Pollution 36 (2021): 232	Q2	ISI	1.9	Environmental Science
266	BL5.3: XPS	Kidkhunthod, P.	Chanlek, N., Poo-arporn, Y., Kidkhunthod, P.	Senanon, W., Phaiboon, P., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Maensiri, S., Khajonrit, J. and Kidkhunthod, P.	Effect of Mn on Lithium-Sulphate-Borated Based Glass as Energy Storage Applications	Journal of Non-Crystalline Solids 552 (Jan 2021): 120445	Q1	ISI	2.929	Materials Science and Engineering
267	BL5.3: XPS	Nanan, S.	Chanlek, N.	Senasu, T., Nijpanich, S., Juabrum, S., Chanlek, N. and Nanan, S	CdS/BiOBr Heterojunction Photocatalyst with High Performance for Solar-Light-Driven Degradation of Ciprofloxacin and Norfloxacin Antibiotics	Applied Surface Science 567 (Nov 2021) 150850	Q1	ISI	6.182	Materials Science and Engineering
268	BL5.3: XPS	Nanan, S.		Senasu, T., Chankhanittha, T., Hemavibool, K. and Nanan, S	Visible-Light-Responsive Photocatalyst Based on ZnO/CdS Nanocomposite for Photodegradation of Reactive Red Azo Dye and Ofloxacin Antibiotic	Materials Science in Semiconductor Processing 123 (Mar 2021): 105558	Q1	ISI	3.085	Chemistry
269	BL5.3: XPS	Nanan, S.		Senasu, T., Chankhanittha, T., Hemavibool, K. and Nanan, S	Solvothermal Synthesis of BiOBr Photocatalyst with an Assistant of PVP for Visible-Light-Driven Photocatalytic Degradation of Fluoroquinolone Antibiotics	Catalysis Today	Q1	ISI	3.825	Materials Science and Engineering
270	BL5.3: XPS	Sinornate, W.		Sinornate, W., Mimura, H. and Pecharapa, W.	Structural, Morphological, Optical, and Electrical Properties of Sol–Gel Derived Sb-Doped ZnO Thin Films Annealed Under Different Atmospheres	Physica Status Solidi (A) Applications and Materials Science 218 (2021): 2000233	Q2	ISI	1.759	Surface, Interface and Thin Films
271	BL5.3: XPS	Sudrajat, H.		Sudrajat, H. and Nguyen, T. K.	Key Factors Controlling the Durability of a Cu-doped TiO2 Photocatalyst	Optik 217 (Sep 2020): 164914	Q2	ISI	2.187	Chemistry
272	BL5.3: XPS	Amnuaypanich, S.	Chanlek, N.	Suwannarat, S., Amnuaypanich, S., Chanlek, N. and Amnuaypanich, S.	Temperature-Enhanced Water Selectivity in Polyvinyl Alcohol Mixed Matrix Membranes Filled with poly(2-hydroxyethylmethacrylate)-Grafted Mesoporous Silica Nanoparticles (PVA/MSNs-g-PHEMA MMMs)	Separation and Purification Technology 257 (Feb 2021): 117875	Q1	ISI	5.774	Chemistry

273	BL5.3: XPS	Vasquez Jr., M. R.	Nakajima, H., Thumanu, K., Chanlek, N., Janphuang, P.	Taaca, K. L. M., Nakajima, H., Thumanu, K., Chanlek, N., Janphuang, P. and Vasquez Jr., M. R.	Spectroscopic Studies of Plasma-Modified Silver-Exchanged Zeolite and Chitosan Composites	Materials Chemistry and Physics 250 (Aug 2020): 122980	Q2	ISI	3.408	Materials Science and Engineering
274	BL5.3: XPS	Utke, R.	Chanlek, N., Utke, O.	Thaweelap, N., Plerdsranoy, P., Poo-arporn, Y., Khajondetchairit, P., Suthirakun, S., Fongkaew, I., Hirunsit, P., Chanlek, N., Utke, O., Pangon, A. and Utke, R.	Ni-Doped Activated Carbon Nanofibers for Storing Hydrogen at Ambient Temperature: Experiments and Computations	Fuel 288 (Mar 2021): 119608	Q1	ISI	5.578	Materials Science and Engineering
275	BL5.3: XPS	Siripattanakul-Ratpukdi, S.	Kidkhunthod, P., Chanlek, N.	Therdkiattikul, N., Ratpukdi, T., Kidkhunthod, P., Chanlek, N. and Siripattanakul-Ratpukdi, S.	Manganese-Contaminated Groundwater Treatment by Novel Bacterial Isolates: Kinetic Study and Mechanism Analysis using Synchrotron-Based Techniques	Sientfic Report 10 (2020): 13391	Q1	ISI	4.12	Environmental Science
276	BL5.3: XPS	Thien, G. S. H., Goh, B. T.	Nakajima, H., Tunmee, S., Chanlek, N.	Thien, G. S. H., Talik, N. A., Yap, B. K., Nakajima, H., Tunmee, S., Chanlek, N. and Goh, B. T.	Improvement of MAPbI3 Perovskite Blend with TiO2 Nanoparticles as ReRAM Device	Ceramics International 46 (Dec 2020): 29041-29051	Q1	ISI	3.83	Materials Science and Engineering
277	BL5.3: XPS	Singhatanadgit, W., Khemthong, P		Toso, M., Singhatanadgit, W., Boonrungsiman, S., Youngjan, S. and Khemthong, P.	Investigating Mineralization species in Cultured Bone from Human Mesenchymal Stem Cells using Synchrotron-based XANES	Radiation Physics and Chemistry 177 (Dec 2020): 109074	Q2	ISI	2.226	Biological and Life Science
278	BL5.3: XPS	Samart, C.	Chanlek, N.	Tran, T. T. V., Obpirompoo, M., Kongparakul, S., Karnjanakom, S., Reubroycharoen, P., Guan, G., Chanlek, N. and Samart, C.	Glycerol Valorization Through Production of Di-Glyceryl Butyl Ether with Sulfonic Acid Functionalized KIT-6 Catalyst	Carbon Resources Conversion 3 (2020): 182-189	n/a	ISI	n/a	Chemistry
279	BL5.3: XPS	Rattanachan, S. T.	Chanlek, N.	Thongsri, O., Srisuwan, S., Thaitalay, P., Dangwiriyakul, R., Aengchuan, P., Chanlek, N., Talabnin, C., Suksaweang, S. and Rattanachan, S. T.	Influence of Al2O3 and P2O5 Contents in Sol-Gel ionomer Glass System on the Structure and their Cement Properties	Journal of Sol-Gel Science and Technology 98 (2021): 441-451	Q2	ISI	2.008	Materials Science and Engineering
280	BL5.3: XPS	Thurakitseree, T.	Nakajima, H., Chanlek, N.	Thurakitseree, T., Kramberger, C., Chanlek, N. and Nakajima, H.	Possibility of Doping Nitrogen into Single-Walled Carbon Nanotubes by γ-irradiated N2 Molecules	Radiation Physics and Chemistry 186 (Sep 2021): 109524	Q2	ISI	2.226	Materials Science and Engineering
281	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Tuichai, W., Danwittayakul, S., Chanlek, N., Takesada, M., Pengpad, A., Srepusharawoot, P. and Thongbai, P.	High-Performance Giant Dielectric Properties of Cr3+/Ta5+ Co-Doped TiO2 Ceramics	ACS Omega 6 (2021): 1901-1910	Q1	ISI	2.87	Materials Science and Engineering
282	BL5.3: XPS	Thongbai, P.	Chanlek, N.	Tuichai, W., Danwittayakul, S., Manyam, J., Chanlek, N., Takesada, M. and Thongbai, P.	Giant Dielectric Properties of Ga3C–Nb5C Co-doped TiO2 Ceramics Driven by the Internal Barrier Layer Capacitor Effect	Materialia 18 (Aug 2021): 101175	Q1	ISI	2.76	Physics
283	BL5.3: XPS	Wachiralurpan, S., Lieberzeit, P.A.	Chanlek, N.	Wachiralurpan, S., Phung-On, I., Chanlek, N., Areekit, S., Chansiri, K. and Lieberzeit, P.A.	In-Situ Monitoring of Real-Time Loop-Mediated Isothermal Amplification with QCM: Detecting Listeria monocytogenes	Biosensors 11 (2021): 308	Q2	ISI	3.24	Biological and Life Science
284	BL5.3: XPS	Wantala, K.	Chirawatkul, P., Chanlek, N., Wannapaiboon, S., Saiyasombat, C.	Wantala, K., Suwannaruang, T., Palalerd, J., Chirawatkul, P., Chanlek, N., Wannapaiboon, S., Saiyasombat, C. and Khunphonoi, R.	Influence of In-Situ and ex-situ Cu-Fe Doping in K-OMS-2 Catalysts on Dye Degradation via Fenton-Like Reaction with Focus on Catalytic Properties and Performances	Surfaces and Interfaces 23 (Apr 2021): 101030	Q1	ISI	3.724	Chemistry
285	BL5.3: XPS	Suthirakun, S. and Hirunsit, P.		Watthaisong, P., Suthirakun, S. and Hirunsit, P.	Mechanistic Study of the Effect of Epoxy Groups on Ethylene Carbonate Decomposition Reaction on Carbon Anodes of SodiumIon Batteries	Journal Physical Chemistry C 125 (2021): 8031-44	Q1	ISI	4.189	Materials Science and Engineering
286	BL5.3: XPS	Wongrat, E.	Chanlek, N.	Wongrat, E., Nuengnit, T., Panyathip, R., Chanlek, N., Hongsith, N. and Choopun, S.	Highly Selective Room Temperature Ammonia Sensors Based on ZnO Nanostructures Decorated with Graphene Quantum Dots (GQDs)	SensorsandActuators:B.Chemical 326 (Jan 2021): 128983	Q1	ISI	7.1	Surface, Interface and Thin Films
287	BL5.3: XPS	Sawangphruk, M.	Kidkhunthod, P., Chanlek, N.	Wuamprakhon, P., Krittayavathananon, A., Kosasang, S., Ma, N., Maihom, T., Limtrakul, J., Chanlec, N., Kidkhunthod, P. and Sawangphruk, M. (Added name: Chanlek, N.)	Effect of Intercalants inside Birnessite-Type Manganese Oxide Nanosheets for Sensor Applications	Inorganic Chemistry 59 (2020): 15595-15605	Q1	ISI	4.825	Chemistry
288	BL5.3: XPS	Zahir, N. H., Shuhaimi, A.	Tunmee, S., Nakajima, H., Chanlek, N.	Zahir, N. H., Talik, N. A., Harun, H. N., Kamarundzaman, A., Tunmee, S., Nakajima, H., Chanlek, N., Shuhaimi, A. and Abd Majid, W. H.	Improved Performance of InGaN/GaN LED by Optimizing the Properties of the Bulk and Interface of ITO on p-GaN	Applied Surface Science 540 (Feb 2021): 148406	Q1	ISI	6.182	Surface, Interface and Thin Films
289	BL6: DXL	Pojprapai, S.	Janphuang, P.	Dhanunjaya, M., Sonklin, T., Leuasoongnoen, P., Suksaweang, S., Janphuang, P. and Pojprapai, S.	Initial Study of Thin Film Derived Gold Nanoparticles (Au NPs) Surface Plason Resonance (SPR) BasedAntigen (PSA) Detection	Sensor Letters 18(Nov 2020): 781-784	Q4	ISI	0.811	Surface, Interface and Thin Films

290	BL6: DXL	Fangsuwannarak, T.	Phatthanakun, R.	Fangsuwannarak, T., Laohawiroj, S., Rattanawichai, P., Mekmork, K., Limsiri, W. and Phatthanakun, R.	Silicon Dots Films Deposited by Spin-Coating as a Generated Carrier Addition Layer of Third Generation Photovoltaics	Progress in Natural Science: Materials International 31 (Apr 2021): 192-200	Q1	ISI	4	Surface, Interface and Thin Films
291	BL6: DXL	Srithorn, J.	Phatthanakun, R.	Monkrathok, J., Srithorn, J., Phung-On, I. and Phatthanakun, R.	Stainless Steel Imitative Crack using X-ray LIGA with Suspension Electroplating Technique	International Journal of Applied Electromagnetics and Mechanics 64 (2020): 31–37	Q3	ISI	0.684	Materials Science and Engineering
292	BL6: DXL	Leksakul, K.	Phatthanakun, R., Busayaporn, W., Saiyasombat, C., Phothongkam, P	Phiphatanaphiphop, C., Leksakul, K., Phatthanakun, R., Busayaporn, W., Saiyasombat, C., Phothongkam, P., Rana, Md. M. and Suzuki, H.	Multiwalled Carbon Nanotubes in Microfluidic Chip for the Separation of X- and Y-Sperm Based on a Photolithography Technique	Journal of Microelectromechanical Systems 29 (Oct 2020): 1264-1277	Q1	ISI	2.93	Food and Agricultural Science
293	BL6: DXL	Leksakul, K.	Phatthanakun, R	Phiphatanaphiphop, C., Leksakul, K., Phatthanakun, R. and Khamlor, T.	A Novel Microfluidic Chip-Based Sperm-Sorting Device Constructed using Design of Experiment Method	Scientific Reports 10 (2020): 17143	Q1	ISI	3.998	Micro and Nanotechnology
294	BL6: DXL	Pojprapai, S.	Supruangnet, R., Nakajima, H., Janphuang, P.	Pomyai, P., Munthala, D., Sonklin, T., Supruangnet, R., Nakajima, H., Janphuang, P., Dale, S. M., Glaum, J. and Pojprapai, S.	Electrical Fatigue behavior of Ba0.85Ca0.15Zr0.1Ti0.9O3 Ceramics Under Different Oxygen Concentrations	Journal of the European Ceramic Society 41 (Apr 2021): 2497-2505	Q1	ISI	4.495	Materials Science and Engineering
295	BL6: DXL	Kuntanawat, P.	Phatthanakun, R.	Srisom, K., Tittabutr, P., Teaumroong, N., Lapwong, Y., Phatthanakun, R., Sirivisoot, S. and Kuntanawat, P.	New Method for Arbuscular Mycorrhizal Fungus Spore Separation using a Microfluidic Device based on Manual Temporary Flow Diversion	Mycorrhiza 30 (2020): 789-796	Q1	ISI	3.069	Physics and Engineering
296	BL6: DXL	Junpirom, S.	Janphuang, P.	Sukkasem, T., Nuchitprasittichai, A., Janphuang, P. and Junpirom, S.	TiO2/SiO2 Coated 310S Stainless Steel for Hydrogen Peroxide Generation via Photocatalytic Reaction	Current Applied Science and Technology 22 (May-Jun 2022)	Q4	ISI	0.36	Surface, Interface and Thin Films
297	BL6b: XRF	Ahmad, R.	Chaiprapa, J.	Ahmad, R., Abdullah, M.M.A.B., Ibrahim, W.M.W., Hussin, K., Ahmad Zaidi, F.H., Chaiprapa, J., Wysłocki, J.J., Błoch, K. and Nabiałek, M.	Role of Sintering Temperature in Production of Nepheline Ceramics-Based Geopolymer with Addition of Ultra-High Molecular Weight Polyethylene	Materials 15 (2021): 1077	Q2	ISI	3.057	Materials Science and Engineering
298	BL6b: XRF	Abdullah, M. M. A. B.,	Chaiprapa, J., Rojviriya, C.	Aziz, I. M., Abdullah, M. M. A. B., Mohd Salleh, M. A. A., Yoriya, S., Chaiprapa, J., Rojviriya, C. and Li, L. Y.	Microstructure and Porosity Evolution of Alkali Activated Slag at Various Heating Temperatures	Journal of Materials Research and Technology 9, 6 (Nov-Dec 2020): 15894-15907	Q1	ISI	5.289	Materials Science and Engineering
299	BL6b: XRF	Won-in, K.	Tancharakorn, S., Pakawanit, P.,Thumanu, K.	Boonruang, C., Won-in, K., Tancharakorn, S., Pakawanit, P.,Thumanu, K. and Dararutana, P.	Synchrotron Radiation Study on Ancient Burnt Rice Found at Archaeological Sites in Thailand	Chiang Mai Journal of Science	Q4	ISI	0.325	Food and Agriculture Science
300	BL6b: XRF	Salleh, M.A.A.M.	Chaiprapa, J.	Hashim, A.N., Salleh, M.A.A.M., Sandu, A.V., Ramli, M.M., Yee, K.C., Mohd Mokhtar, N.Z. and Chaiprapa, J.	Effect of Ni on the Suppression of Sn Whisker Formation in Sn-0.7Cu Solder Joint	Materials 14 (2021): 738	Q2	ISI	3.057	Materials Science and Engineering
301	BL6b: XRF	Razak, R. A.	Chaiprapa, J.	Mohamed , R., Razak, R. A., Abdullah, M.M.A.B., Shuib, R. K., Subaer and Chaiprapa, J.	Geopolymerization of Class C fly Ash: Reaction Kinetics, Microstructure Properties and Compressive Strength of Early Age	Journal of Non-Crystalline Solids 553 (Feb 2021) 120519	Q1	ISI	2.929	Polymers
302	BL6b: XRF	Salleh, M.A.A.M.	Chaiprapa, J.	Muhd Amli, S. F. N., Salleh, M.A.A.M., Ramli, M. I. I., Yasuda, H., Chaiprapa, J., Somidin, F., Shayfull, Z. and Nogita, K.	Origin of Primary Cu6Sn5 in Hypoeutectic Solder Alloys and a Method of Suppression to Improve Mechanical Properties	Journal of Electronic Materials 50 (2021): 710-722	Q2	ISI	1.774	Materials Science and Engineering
303	BL6b: XRF	Salleh, M.A.A.M.	Chaiprapa, J.	Muhd Amli, S. F. N., Salleh, M.A.A.M., Ramli, M. I. I., Aboul, N. R., Yasuda, H., Chaiprapa, J. and Nogita, K.	Effects of Surface Finish on Sn-3.0Ag-0.5Cu Solder Joint Microstructure and Strength	Journal of Electronic Materials 50 (2021): 855-868	Q2	ISI	1.774	Materials Science and Engineering
304	BL6b: XRF	Salleh, M.A.A.M.	Chaiprapa, J.	Mohamad Zaimi, N. S., Salleh, M.A.A.M., Abdullah, M. M. A. B., Ahmad, R., Mostapha, M., Yoriya, S., Chaiprapa, J. and Harvey, D. M.	Effect of Kaolin Geopolymer Ceramic Addition on the Properties of Sn-3.0Ag-0.5Cu Solder Joint	Materials Today Communications 25 (Dec 2020): 101469	Q2	ISI	2.678	Materials Science and Engineering
305	BL6b: XRF	Salleh, M.A.A.M., Vizureanu, P.	Chaiprapa, J.	Mokhtar, N.Z.M., Salleh, M.A.A.M., Sandu, A.V., Ramli, M.M., Chaiprapa, J., Vizureanu, P. and Ramli, M.I.I.	Effect of Electromigration and Thermal Ageing on the Tin Whiskers' Formation in Thin Sn–0.7Cu–0.05Ga Lead (Pb)-Free Solder Joints	Coatings 11 (2021): 935	Q2	ISI	2.581	Materials Science and Engineering
306	BL6b: XRF	Nakbanpote, W.		Rattanapolsan, L., Nakbanpote, W. and Sangdee, A.	Zinc- and Cadmium-Tolerant Endophytic Bacteria from Murdannia Spectabilis (Kurz) Faden. Studied for Plant Growth-Promoting Properties, in Vitro Inoculation, and Antagonism	Archives of Microbiology 203 (2021): 1131-1148	Q2	ISI	1.884	Biological and Life Science
307	BL6b: XRF	Sampanpanish, P.		Wanitsawatwichai, K. and Sampanpanish, P.	The Combination of Phytoremediation and Electrokinetics Remediation Technology on Arsenic Contaminated Remediation in Tailing Storage Facilities from Gold Mine	Heliyon 7 (Aug 2021): e07736	Q1	ISI	1.857	Environmental Science

308	BL6b: XRF	Abdullah, M. M. A. B.	Chaiprapa, J.	Zulkifli, N. N. I., Abdullah, M. M. A. B., Przybył, A., Pietrusiewicz, P., Salleh, M. A. A.M., Aziz, I. H., Kwiatkowski, D., Gacek, M., Gucwa, M.and Chaiprapa, J.	Influence of Sintering Temperature of Kaolin, Slag, and Fly Ash Geopolymers on the Microstructure, Phase Analysis, and Electrical Conductivity	Materials 14 (May 2021): 2213	Q2	ISI	3.057	Materials Science and Engineering
309	BL7.2: MX	Songsiriritthigul, C.	Songsiriritthigul, C.	Songsiriritthigul, C., Nualkaew, N., Ketudat-Cairns, J.and Chen, C. J.	Crystal Structure of Benzophenone Synthase from Garcinia Mangostana L.pericarps Reveals Basis for Substrate Specificity and Catalysis	Acta crystallographica Section F 76 (Dec 2020): 597-603	Q2	ISI	0.968	Biological and Life Science
310	BL7.2: MX	Woon, K. L.	Nakajima, H., Chaiprapa, J.	Subramaniam, Y., Woon, K. L., Nakajima, H., Chaiprapa, J. and Songsiriritthigul, P.	Preferential Vertically Oriented Nanopillar Perovskite Induced by Poly (9-vinylcarbazole) Field-Effect Transistor	Synthetic Metals 281 (2021): 116901	Q1	ISI	3.03	Physics
311	BL8: XAS	Adediran, G. A., Simonsson, M.	Klysubun, W.	Adediran, G. A., Lundberg, D., Almkvist, G., Pradas del Real, A. G., Klysubun, W., Hillier, S., Gustafsson, J. P. and Simonsson, M.	Micro and Nano Sized Particles in Leachates from Agricultural Soils: Phosphorus and Sulfur Speciation by X-ray Micro-Spectroscopy	Water Research 189 (Feb 2021): 116585	Q1	ISI	9.13	Earth Science, Archeology and Gemology
312	BL8: XAS	Gustafsson, J. P.	Klysubun, W.	Adediran, G. A., Tuyishime, J. R. M., Vantelon, D., Klysubun, W. and Gustafsson, J. P.	Phosphorus in 2D: Spatially Resolved P Speciation in Two Swedish Forest Soils as Influenced by Apatite Weathering and Podzolization	Geoderma 376 (2020): 114550	Q1	ISI	4.848	Earth Science, Archeology and Gemology
313	BL8: XAS	Ratchahat, S.	Klysubun, W.	Aimdate, K., Srifa, A., Koo-amornpattana, W., Sakdaronnarong, C., Klysubun, W., Kiatphuengporn, S., Assabumrungrat, S., Wongsakulphasatch, S., Kaveevivitchai, W., Sudoh, M., Watanabe, R., Fukuhara, C. and Ratchahat, S.	Natural Kaolin-Based Ni Catalysts for CO2 Methanation: On the Effect of Ce Enhancement and Microwave-Assisted Hydrothermal Synthesis	ACS Omega 6 (2021): 13779-13794	Q1	ISI	2.87	Chemistry
314	BL8: XAS	Bootchanont, A.	Klysubun, W., Amonpattaratkit, P.	Bootchanont, A., Wechprasit, T., Areesamarn, N., Pholprom, R., Hwangphon, T., Temprom, L., Amonpattaratkit, P., Klysubun, W. and Yimnirun, R.	Comparison of Local Structure Between Mg/Mn-Doped Natural and Synthetic Hydroxyapatites by X-Ray Absorption Spectroscopy	Radiation Physics and Chemistry 177 (Dec 2020): 109075	Q2	ISI	2.226	Materials Science and Engineering
315	BL8: XAS	Campos-Pereira, H.	Klysubun, W.	Campos-Pereira, H., Kleja, D. B., Sjostedt, C., Ahrens, L. and Klysubun, W.	The Adsorption of Per- and Polyfluoroalkyl Substances (PFASs) onto Ferrihydrite Is Governed by Surface Charge	Environmental Science & Technology 54 (2020): 15722-15730	Q1	ISI	7.864	Environmental Science
316	BL8: XAS	Srifa, A.	Klysubun, W.	Chuseang, J., Nakwachara, R., Kalong, M., Ratchahat, S., Koo-amornpattana, W., Klysubun,, W., Khemthong, P., Faungnawakij, K., Assabumrungrat, S., Itthibenchapong, V. and Srifa, A.	Selective Hydrogenolysis of Furfural into Fueladditive 2-Methylfuran over a Rhenium-Promoted Copper Catalyst	Sustainable Energy & Fuels 5 (2021): 1379-1393	Q1	ISI	5.503	Chemistry
317	BL8: XAS	Nguyet, D. T. T.	Soontaranon, S., Klysubun, W.	Duong, N. P., Nguyet, D. T. T., Loan, T. T., Anh, L. N., Soontaranon, S., Klysubun, W. and Nga, T. T. V.	Effects of Sn4+ Doping and Oxygen Vacancy on Magnetic and Electrical Properties of Yttrium Iron Garnet Prepared by Sol-Gel Method	Ceramics International 47 (Mar 2021): 6442-6452	Q1	ISI	3.83	Materials Science and Engineering
318	BL8: XAS	Senguttuvan, P.	Amonpattaratkit, P.	Ghosh, S., Jose, N., Senthilkumar, B., Amonpattaratkit, P. and Senguttuvan, P.	Multi-Redox (V5+/V4+/V3+/V2+) Driven Asymmetric Sodium (De) Intercalation Reactions in NASICON-Na3VIn(PO4)3 Cathode	Journal of The Electrochemical Society 168 (2021): 050534	Q1	ISI	3.721	Materials Science and Engineering
319	BL8: XAS	Suasmoro, S.	Amonpattaratkit, P.,	Hastuti, E., Subhan, A., Amonpattaratkit, P., Zainuri, M. and Suasmoro, S.	The Effects of Fe-Doping on MnO2: Phase Transitions, Defect Structures and its Influence on Electrical Properties	RSC Advances 11 (2021): 7808-7823	Q1	ISI	3.07	Materials Science and Engineering
320	BL8: XAS	Darminto	Klysubun, W.	Intifadhah, S. H., Maghfirohtuzzoimah, V. L., Az-zahra, P., Klysubun, W., Astuti, F., Zainuri, M. and Darminto	Oxidation State Analysis of LiFeSixP1-xO4/C (x = 0.06) with X-ray Absorption Near Edge Structure (XANES) in Fe Kedge and Si K-edge	Journal of Physics: Theories and Applications 5 (2021): 37-43	n/a		n/a	Materials Science and Engineering
321	BL8: XAS	Jamil, N. H.	Amonpattaratkit, P.	Jamil, N.H., Abdullah, M. M. A. B., Pa, F. C., Mohamad, H., Ibrahim, W. M. A. W., Amonpattaratkit, P., Gondro, J., Sochacki, W. and Ibrahim, N.	Self-Fluxing Mechanism in Geopolymerization for Low-Sintering Temperature of Ceramic	Materials 14 (2021): 1325	Q2	ISI	3.057	Polymers
322	BL8: XAS	Junin, C.	Klysubun, W.	Junin, C., Worayingyong, A., Kongmark, C., Yordsri, V., Chayasombat, B., Thanachayanont, C. and Klysubun, W.	A Morphological Investigation of Ag/Graphite Oxide/TiO2 Composites for Photocatalysis	Solid State Phenomena 302 (2020): 9-17	Q3	ISI	0.4	Chemistry
323	BL8: XAS	Lohwongwatana, B.	Klysubun, W.	Khamkongkaeo, A., Boonchuduang, T., Klysubun, W., Amonpattaratkit, P., Chunate, H.-t., Tuchinda, N., Pimsawat, A., Daengsakul, S., Suksangrat, P., Sailuam, W., Vongpramate, D., Bootchanont, A. and Lohwongwatana, B.	Sintering Behavior and Mechanical Properties of Hydroxyapatite Ceramics Prepared from Nile Tilapia (Oreochromis niloticus) Bone and Commercial Powder for Biomedical Applications	Ceramics International	Q1	ISI	3.83	Materials Science and Engineering

324	BL8: XAS	klysubun, W.	Klysubun, W., Tarawarakarn, P., Thamsanong, N., Amonpattaratkit, P., Cholsuk, C. Lapboonrueng, S., Chaichuay, S. and Wongtepa, W.	Klysubun, W., Tarawarakarn, P., Thamsanong, N., Amonpattaratkit, P., Cholsuk, C. Lapboonrueng, S., Chaichuay, S. and Wongtepa, W.	Upgrade of SLRI BL8 beamline for XAFS Spectroscopy in a Photon Energy Range of 1 keV to 13 keV	Radiation Physics and Chemistry 175 (Oct 2020): 108145	Q2	ISI	2.226	Physics
325	BL8: XAS	Koester, M.	Klysubun, W.	Koester, M., Stock, S. C., Najera, F., Abdallah, K., Gorbushina, A., Prietzel, J., Matus, F., Klysubun, W., Boy, J., Kuzyakov, Y., Dippold, M. A. and Spielvogel, S.	From Rock Eating to Vegetarian Ecosystems — Disentangling Processes of Phosphorus Acquisition Across Biomes	Geoderma 388 (Apr 2021): 114827	Q1	ISI	4.848	Earth Science, Archeology and Gemology
326	BL8: XAS	Wang, G. G., Yang, Y.	Klysubun, W.	Liu, M., Wang, J. A., Klysubun, W., Wang, G. G., Sattayaporn, S., Cai, Y. W., Zhang, F., Yu, J. and Yang, Y.	Interfacial Electronic Structure Engineering on Molybdenum Sulfide for Robust Dual-pH Hydrogen Evolution	Nature Communications 12 (2021): 15260	Q1	ISI	12.121	Materials Science and Engineering
327	BL8: XAS	Loan, T. T.	Soontaranon, S., Klysubun, W.	Loan, T. T., Huy, D. K., Chung, H. M., Thanh, N. K., Hoan, T. D., Duong, N. P., Soontaranon, S. and Klysubun, W.	Structure and Magnetic Properties of Magnetic Iron Oxide/Zinc Oxide Core/Shell Nanocomposites: Effect of ZnO Coating	Materials Today Communications 26 (Mar 2021): 101733	Q2	ISI	2.678	Materials Science and Engineering
328	BL8: XAS	Kopittke, P. M.	Klysubun, W.	Meyer, G., Bell, M. J., Lombi, E., Doolette, C. L., Brunetti, G., Novotny, E. H., Klysubun, W., Zhang, Y. and Kopittke, P. M.	Phosphorus Speciation in the Fertosphere of Highly Concentrated Fertilizer Bands	Geoderma 403 (Dec 2021): 115208	Q1	ISI	5.293	Food and Agriculture Science
329	BL8: XAS	Wongkokua, W.		Monarumit, N., Lhuaamporn, T., Sakkaravej, S., Wathanakul, P. and Wongkokua, W.	The Color Center of Beryllium-Treated Yellow Sapphires	Journal of Physics Communications 4 (2020): 105018	Q3	SJR	0.431	Earth Science, Archeology and Gemology
330	BL8: XAS	Pojprapai, S.	Amonpattaratkit, P., Klysubun, W.	Munthala, D., Sonklin, T., Buatip, N., Pomyai, P., Amonpattaratkit, P., Klysubun, W. and Pojprapai, S.	Angle Dependent Synchrotron X-ray Absorption Spectroscopic Structural Studies on Ba0.85Ca0.15Zr0.1Ti0.9O3 Ferroelectric Ceramics	Scripta Materialia 188 (Nov 2020): 249-253	Q1	ISI	5.08	Materials Science and Engineering
331	BL8: XAS	Pojprapai, S.	Amonpattaratkit, P., Klysubun, W.	Munthala, D., Sonklin, T., Pomyai, P., Luo, Z., Buatip, N., Jongpinit, W., Amonpattaratkit, P., Klysubun, W. and Pojprapai, S.	In-situ X-ray Absorption Spectroscopy (XAS) Studies of Electrical Field Induced Domain Switching in BCZT Ceramics	Ceramics International 47 (Sep 2021): 25158-25166	Q1	ISI	3.83	Materials Science and Engineering
332	BL8: XAS	Nguyen, T. T., Nguyen, N. H.	Amonpattaratkit, P.	Nguyen, T. T., Huynh, K. A., Padungthon, S., Pranudta, A., Amonpattaratkit, P., Tran, L. B., Phan, P. T. and Nguyen, N. H.	Synthesis of Natural Flowerlike Iron-Alum Oxide with Special Interaction of Fe-Si-Al Oxides as an Effective Catalyst for Heterogeneous Fenton Process	Journal of Environmental Chemical Engineering 9 (Aug 2021): 105732	Q1	ISI	4.30	Chemistry
333	BL8: XAS	Chaisuk, C.	klysubun, W.	Poosri, C., Chaisuk, C. and Klysubun, W.	Effect of FSP-inserted Cu on Physicochemical Properties of Cu/Al2O3 Catalyst	Bulletin of Chemical Reaction Engineering & Catalysis 15 (2020)	Q3	SJR19	0.256	Chemistry
334	BL8: XAS	Watcharapasorn, A.	Amonpattaratkit, P.	Prayoonphokkharat, P., Amonpattaratkit, P., Kosuga, A. and Watcharapasorn, A.	Thermoelectric Properties of Pr-Substituted YBCO Ceramics	Journal of Alloys and Compounds 871 (Aug 2021): 159552	Q1	ISI	5.316	Materials Science and Engineering
335	BL8: XAS	Prietzel, J.	Klysubun, W.	Prietzel, J., Klysubun, W., Hurtarte, L. C. C.	The Fate of Calcium in Temperate Forest Soils: a Ca K-edge XANES Study	Biogeochemistry 152 (2021): 195-222	Q1	ISI	4.161	Earth Science, Archeology and Gemology
336	BL8: XAS	Pruter, J.	Klysubun, W.	Pruter, J., Strauch, S. M., Wenzel, L. C., Klysubun, W., Plam, H. W. and Leinweber, P.	Organic Matter Composition and Phosphorus Speciation of Solid Waste from an African Catfish Recirculating Aquaculture System	Agriculture 10 (2020): 466	Q3	ISI	2.072	Environmental Science
337	BL8: XAS	Pratapa, S.	klysubun, W., Saiyasombat, C.	Latif, C., Muyasaroh, A. F., Firdausi, A., Mardiana, D., Klysubun, W., Saiyasombat, C., Prihandoko, B., Zainuri, M.and Pratapa, S.	Preparation and Characterisation of LiFePO4 Ceramic Powders via Dissolution Method	Ceramics International	Q1	ISI	3.83	Materials Science and Engineering
338	BL8: XAS	Tangcharoen, T.	Klysubun, W.	Tangcharoen, T., Klysubun, W., T-Thienprasert, J. and Kongmark, C.	Cation Exchange in Ni–Cu–Zn Aluminate Spinels Revealed by EXAFS	Journal of Solid State Chemistry 292 (Dec 2020): 121695	Q2	ISI	2.726	Materials Science and Engineering
339	BL8: XAS	Horike, S. and Kongpatpanich, K.	Klysubun, W.	Tangsermvit, V., Pila, T., Boekfa, B., Somjit, V., Klysubun, W., Limtrakul, J., Horike, S. and Kongpatpanich, K.	Incorporation of Al3+ Sites on Brønsted Acid Metal–Organic Frameworks for Glucose-to-Hydroxylmethylfurfural Transformation	Small 17 (Jun 2021): 2006541	Q1	ISI	11.459	Chemistry
340	BL8: XAS	Tepamatr, P.		Tepamatr, P., Laosiripojana, N., Sesuk, T. and Charojrochkul, S.	Effect of Samarium and Praseodymium Additional on Water Gas Shift Performance of Co/CeO2 Catalysts	Journal of Rare Earths 38 (Nov 2020): 1201-1206	Q2	ISI	3.104	Chemistry

341	BL8: XAS	Tran, D. H.	Klysubun, W.	Tran, D.T., Pham, A. T., . Pham, N.H., Nguyen, N.T., Nam, N.H., Man, N. K., Kang, W. N., Hsu, I. J., Klysubun, W. and Tran, D. H.	Local Structure and Superconductivity in (Bi1.6Pb0.4Sr2Ca2Cu3O10+δ)1-x(Fe3O4)x Compounds	Ceramics International 47 (Jun 2021): 16950-16955	Q1	ISI	3.83	Materials Science and Engineering
342	BL8: XAS	Wang, P.	Klysubun, W.	Zhang, Y., Finn, D., Bhattacharyya, R., Dennis, P.G., Doolette, A.L., Smernik, R.J., Dalal, R.C., Meyer, G., Lombi, E., Klysubun, W., Jones, A.R., Wang, P., Menzies, N.W. and Kopittke, P.M.	Long-Term Changes in Land use Influence Phosphorus Concentrations, Speciation, and Cycling within Subtropical Soils	Geoderma 393 (Jul 2021): 115010	Q1	ISI	4.848	Earth Science, Archeology and Gemology
343	CMP	Sailuam, W.		Bootchanont, A., Phacheerak, K., Fongkaew, I., Limpijumnong, S. and Sailuam, W.	The Pressure Effect on the Structural, Elastic, and Mechanical properties of Orthorhombic MgSiN2 from First-Principles Calculations	Solid State Communications 336 (Oct 2021): 114318	Q2	ISI	1.521	Materials Science and Engineering
344	CMP	Bovornratanaraks, T.		Chaimayo, W., Tsuppayakorn-aek, P., Pluengphon, P., Kotmool, K., Pakornchote, T., Busayaporn, W. and Bovornratanaraks, T.	Nature of Electronic Topological Transition and Superconductivity in Bismuth Under High Pressure from ab Initio Random Structure Searching	Computational Materials Science 200 (Dec 2021): 110806	Q1	ISI	2.863	Physics
345	CMP	Suwanna, P.	Busayaporn, W.	Cholsuk, C., Suwanna, S., Sukkabot, W., Busayaporn, W. and Suwanna, P.	First-Principles Study of Effects of Combined Ti Supervalent Cations and Lithium Ion Vacancies Doping on Crystal and Electronic Structures and Conductivity in LiFePO4	Key Engineering Materials 861 (2021): 277-283	Q3	ISI	0.35	Materials Science and Engineering
346	CMP	Tivakornsasithorn, K.		Cholsuk, C., Suwanna, S. and Tivakornsasithorn, K.	First Principles Study of Small Hole Polaron Formation in Doped Olivine LiFe1− xCoxPO4: Effects of Li Deficiency	Materials Today Communications 26 (Mar 2021): 102043	Q2	ISI	2.678	Materials Science and Engineering
347	CMP	Lim, H. N.	Busayaporn, W., Nakajima, H.	Ibrahim, I., lim, H. N., Wan, N. W. K., Huang, N. M., Lim, S. P., Busayaporn, W. and Nakajima, H.	Plasmonic Silver Sandwich Structured Photoanode and Reflective Counter Electrode Enhancing Power Conversion Efficiency of Dye-Sensitized Solar Cell	Solar Energy 215 (Feb 2021): 403-409	Q1	ISI	4.608	Materials Science and Engineering
348	CMP	Thongsri, J.	Busayaporn, W.	Jansaengsuk, T., Kaewbumrung, M., Busayaporn, W. and Thongsri, J.	A Proper Shape of the Trailing Edge Modification to Solve a Housing Damage Problem in a Gas Turbine Power Plant	Processes 9 (2021): 705	Q2	ISI	3.046	Others
349	CMP	T-Thienprasert, J., Na-Phattalung, S.		Niamjan, N., T-Thienprasert, J., Kim, H. S. and Na-Phattalung, S.	Intervalence charge transfer of Ti and Fe defects in blue kyanite	Journal of the Korean Physical Society 78 (2021): 671-678	Q4	ISI	0.535	Physics
350	CMP	Leksakul, K.	Phatthanakun, P., Busayaporn, W., Saiyasombat, C., Phothongkam, P	Phiphatanaphiphop, C., Leksakul, K., Phatthanakun, P., Busayaporn, W., Saiyasombat, C., Phothongkam, P., Rana, Md. M. and Suzuki, H.	Multiwalled Carbon Nanotubes in Microfluidic Chip for the Separation of X- and Y-Sperm Based on a Photolithography Technique	Journal of Microelectromechanical Systems 29 (Oct 2020): 1264-1277	Q1	ISI	2.93	Medical Application
351	CMP	Thongsri, J.		Tangsopa, W. and Thongsri, J.	A Dual Frequency Ultrasonic Cleaning Tank Developed by Transient Dynamic Analysis	Applied Science 11 (2021): 699	Q1	ISI	2.474	Materials Science and Engineering
352	CMP	Phansuke, P., Bovornratanaraks, T.	Busayaporn, W.	Tsuppayakorn-aek, P., Pluengphon, P., Phansuke, P., Inceesungvorn, B., Busayaporn, W., Kaewtubtim, P. and Bovornratanaraks, T.	Effect of Substitution on the Superconducting Phase of Transition Metal Dichalcogenide Nb(SexS1−x)2 van der Waals Layered Structure	Scientific Reports 11 (2021): 15215	Q1	ISI	3.998	Materials Science and Engineering
353	Instruments	Srisertpol, J.	Preecha, C., Sanwong, P.,	Odngam, S., Preecha, C., Sanwong, P., Thongtan, W. and Srisertpol, J.	Precision Analysis and Design of Rotating Coil Magnetic Measurements System	Applied Science 10 (2020): 8454	Q1	ISI	2.474	Physics
354	Instruments	Srisertpol, J.	Yachum, N., Chunjarean, S., Russamee, N.	Yachum, N., Chunjarean, S., Russamee, N. and Srisertpol, J.	Parameter Optimization of Hole-Slot-Type Magnetron for Controlling Resonant Frequency of Linear Accelerator 6 MeV by Reverse Engineering Technique	Applied Science 11 (2021): 2384	Q1	ISI	2.474	Physics
355	LAB	Phungsai, P.	Phanwatt Phungsai	Rakruam, P., Thuptimdang, P., Siripattanakul-Ratpukdi , S. and Phungsai, P.	Molecular Dissolved Organic Matter Removal by Cotton-Based Adsorbents and Characterization Using High-Resolution Mass Spectrometry	Science of the Total Environment 754 (Feb 2021): 142074	Q1	ISI	6.551	Environmetal Science
356	LAB	Kulchat, S.		Talodthaisong, C., Plaeyao, K., Mongseetong, C., Boonta, W., Srichaiyapol, O., Patramanon, R., Kayunkid, N.and Kulchat, S.	The Decoration of ZnO Nanoparticles by Gamma Aminobutyric Acid, Curcumin Derivative and Silver Nanoparticles: Synthesis, Characterization and Antibacterial Evaluation	Nanomaterials 11 (2021): 442	Q1	ISI	4.324	Materials Science and Engineering

357	LAB	Chatchawalsaisin, J.		Vattanagijyingyong , Y., Yonemochi, E. and Chatchawalsaisin, J.	Miscibility Characterization of Zein/Methacrylic Acid Copolymer Composite Films and Plasticization Effects	International Journal of Pharmaceutics 601 (May 2021) 120498	Q1	ISI	4.845	Polymers
358	Others	Ketudat, Cairns JR.		Baiya, S., Pengthaisong, S., Kitjaruwankul, S. and Ketudat, Cairns JR	Structural Analysis of Rice Os4BGlu18 Monolignol β-glucosidase	Plos One 16 (2021): e0241325	Q1	ISI	2.740	Food and Agricultural Science
359	Others	Tumcharern, G., Samphao, A.	Songsiriritthigul, C.	Butmee, P., Tumcharern, G., Songsiriritthigul, C., Durand, M. J., Thouand, G., Kerr, M., Kalcher, K. and Samphao, A.,	Enzymatic Electrochemical Biosensor for Glyphosate Detection Based on Acid Phosphatase Inhibition	Analytical and Bioanalytical Chemistry (2021): https://doi.org/10.1007/s00216-021-03567-2	Q1	ISI	3.637	Biological and Life Science
360	Others	Jearanaikoon, P., Wood, B. R.	Jearanaikoon, N.	Chatchawal, P., Wongwattanakul, M., Tippayawat, P., Jearanaikoon, N., Jumniansong, A., Boonmars, T., Jearanaikoon, P., Wood, B. R.	Monitoring the Progression of Liver Fluke-Induced Cholangiocarcinoma in a Hamster Model Using Synchrotron FTIR Microspectroscopy and Focal Plane Array Infrared Imaging	Analytical Chemistry 92 (2020): 15361-15369	Q1	ISI	6.785	Medical Application
361	Others	Utke, R.	Utke, O.	Dansirima, P., Ngamwongwan, L., Suthirakun, S., Utke, O. and Utke, R.	Mg–Ni–La based Small Hydrogen Storage Tank: Kinetics, Reversibility and Reaction Mechanisms	RSC Advances 10 (2020): 33171-33177	Q1	ISI	3.07	Materials Science and Engineering
362	Others	Hormes, J.	Klysubun, W.	Hormes, J., Klysubun, W., Gottert, J., Lichtenberg, H., Maximenko, A., Morris, K., Nita, P., Prange, A., Szade, J., Wagner, L. and Zając, M.	A new SOLARIS Beamline Optimized for X-Ray Spectroscopy in the Tender Energy Range	Nuclear Instruments and Methods in Physics Research B 489 (Feb 2021): 76–81	Q2	ISI	1.27	Physics
363	Others	Wannalerse, B.	Wannapaiboon, S.	Jansukra, P., Wattanathana, W., Duangthongyou, T., Wannapaiboon, S., Songsasean, A., Suramitr, S., Tuntulani, T., Browning, C. S. and Wannalerse, B.	Synthesis, X-Ray Crystallography, Theoretical Investigation and Optical Properties of 2-Chloro-N-(2,4-dinitrophenyl) Acetamide	Journal of Chemical Crystallography	Q3	ISI	0.589	Chemistry
364	Others	Sakdapipanich, J.	Nijpanich, S.	Nijpanich, S., Nimpaiboon, A., Rojruthai, P. snd Sakdapipanich, J.	Hydroxyl-Terminated Saponified Natural Rubber Based on the H2O2/P25-TiO2 Powder/UVC-Irradiation System	Polymers 13 (2021): 1319	Q1	ISI	3.426	Polymers
365	Others	Sangwijit, K.	Songsiriritthigul, C.	Polsa, N., Songsiriritthigul, C., Suyotha, W., Suebsan, S., Anuntalabhochai, S. and Sangwijit, K.	A Single Mutation in the Carbohydrate-Binding Module Enhances Cellulase Activity in Bacillus Amyloliquefaciens Mutant	Walailak Journal Science and Technology 18 (2021): 23985	Q3	ISI	0.44	
366	Others	Fischer, R. A.	Wannapaiboon, S.	Semrau, A. L., Pujari, S. P., Stanley, P. M., Wannapaiboon, S., Albada, B., Zuilhof, H. and Fischer, R. A.	Selective Positioning of Nanosized Metal–Organic Framework Particles at Patterned Substrate Surfaces	Chemistry of Materials 32 (2020): 9954-9963	Q1	ISI	9.811	Chemistry
367	Others	Suzuki, M., Khunrae, P.	Attarataya, J.	Suzuki, M., Sangawa, T., Takebe, K., Attarataya, J., Wongprasert, K., Senapin, S., Rattanarojpong, T., Suzuki, M. and Khunrae, P.	Crystal Structure of the C-Terminal Domain of Envelope Protein VP37 from White Spot Syndrome Virus Reveals Sulphate Binding Sites Responsible for Heparin Binding	Journal of General Virology 102 (Jun 2021):	Q2	ISI	3.376	Biological and Life Science
368	Others	Thapphasaraphong, S.	Chio-Srichan, S.	Uthaiwat, P.; Priprem, A.; Puthongking, P., Daduang, J., Nukulkit, C., Chio-Srichan, S., Boonsiri, P. and Thapphasaraphong, S.	Characteristic Evaluation of Gel Formulation Containing Niosomes of Melatonin or Its Derivative and Mucoadhesive Properties Using ATR-FTIR Spectroscopy	Polymers 13 (2021): 1142	Q1	ISI	3.426	Biological and Life Science
369	Others	Daduang, J.	Chio-Srichan, S.	Uthaiwat, P.; Priprem, A., Chio-Srichan, S., Settasatian, C., Lee, Y. C., Mahakunakorn, P., Boonsiri, P., Leelayuwat, C., Tippayawat, P., Puthongking, P. and Daduang, J.	Oral Administration of Melatonin or Succinyl Melatonin Niosome Gel Benefits 5-FU-Induced Small Intestinal Mucositis Treatment in Mice	AAPS PharmSciTech 22 (2021): 200	Q2	ISI	2.401	Biological and Life Science
370	Others	Daduang, J.	Chio-Srichan, S.	Uthaiwat, P., Daduang, J., Priprem, A., Settasatian, C., Chio-Srichan, S., Lee, Y. C., Mahakunakorn, P. and Boonsiri, P.	Topical Melatonin Niosome Gel for the Treatment of 5-FU-Induced Oral Mucositis in Mice	Current Drug Delivery 18 (2021)	Q2	ISI	1.582	Biological and Life Science

371	Others	Wattananapakasem, I., Kinoshita, H.	Nawong, S.	Wattananapakasem, I., Penjumras, P., Malaithong, W., Nawong, S., Poomanee, W. and Kinoshita, H.	Effect of Heat–Moisture Treatment of Germinated Black Rice on the Physicochemical Properties and its Utilization by Lactic Acid Bacteria	Journal Food Science Technology	Q2	ISI	1.946	Food and Agricultural Science
372	Others	Li, W., Fischer, R. A.	Wannapaiboon, S.	Zhou, Z., Mukherjee, S., Warnan, J., Li, W., Wannapaiboon,, S., Hou, S., Rodewald, K., Rieger, B., Weidler, P. G., Woll, C. and Fischer, R. A.	Porphyrin Based Metal–Organic Framework Films: Nucleation and Growth	Journal of Materials Chemistry A 8 (2020): 25941-50	Q1	ISI	12.732	Chemistry