

Fiscal Year 2023

No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile	IF2020	Field Res.
1	BL1.1W: MXT	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , <u>Wannapaiboon, S.</u> , <u>Kidkhunthod, P.</u> and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe3O4 and a-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
2	BL1.2: XTM	Ahmad, R.	Ahmad, R., Ibrahim, W. M. W., Abdullah, M. M. I. B., Pakawanit, P., Vizureanu, P., Abdullah, A. S., Sandu, A. V. and Zaidi, F. H. A.	Geopolymer-Based Nepheline Ceramics: Effect of Sintering Profile on Morphological Characteristics and Flexural Strength	Crystals 12 (2022): 1313	Sep 2022	Q2	2.67	Materials Science and Engineering
3	BL1.2: XTM	Vittayakorn, N.	Sriphan, S., Pharino, U., Charoonsuk, T., Pulphol, P., <u>Pakawanit, P.</u> , Khamman, O., Vittayakorn, W., Vittayakorn, N. and Maluangnont, T.	Tailoring Charge Affinity, Dielectric Property, and Band Gap of Bacterial Cellulose Paper by Multifunctional Ti2NbO7 Nanosheets for Improving Triboelectric Nanogenerator Performance	Nano Research	Aug 2022	Q1	10.269	Materials Science and Engineering
4	BL1.3W: SAXS	Srichana, T.	Chunhachaichana, C., Sawatdee, S., <u>Rugmai, S.</u> and Srichana, T.	Development and Characterization of Nanodispersion-Based Sildenafil Pressurized Metered-Dose Inhaler using Combined Small-Angle X-Ray Scattering, Dynamic Light Scattering, and Impactors	Journal of Drug Delivery Science and Technology 76 (Oct 2022): 103746	Sep 2022	Q1	5.062	Medical Applications
5	BL1.3W: SAXS	Masa, A.	Saiwari, S., Hayeemasae, N., <u>Soontaranon, S.</u> , Kalkornsurapranee, E., Jaratrotkamjorn, R. and Masa, A.	Structure-Property Relationships in Natural Rubber Representing Several Clonal Varieties of Hevea Brasiliensis	Progress in Rubber, Plastics and Recycling Technology	Sep 2022	Q2	2.171	Polymers
6	BL1.3W: SAXS	Ali, M. S. M.	Yaacob, N., Kamonsutthipajit, N., Soontaranon, S., Leow, T. C., Rahman, R. N. Z., R. A. and Ali, M. S. M.	Structural Interpretations of a Flexible Cold-Active AMS8 Lipase by Combining Small-Angle X-Ray Scattering and Molecular Dynamics Simulation (SAXS-MD)	International Journal of Biological Macromolecules 220 (Nov 2022): 1095-1103	Aug 2022	Q1	8.025	Biological and Life Science
7	BL2.2: TRXAS	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , <u>Wannapaiboon, S.</u> , <u>Kidkhunthod, P.</u> and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe3O4 and a-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
8	BL3.2U: PES/PEEM	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , <u>Wannapaiboon, S.</u> , <u>Kidkhunthod, P.</u> and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe3O4 and a-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
9	BL3.2U: PES/PEEM	Wongpanya, P.	Wongpanya, P., <u>Wongpinij, T.</u> , <u>Photongkam, P.</u> and Siritapetawee, J.	Improvement in Corrosion Resistance of 316L Stainless Steel in Simulated Body Fluid Mixed with Antiplatelet Drugs by Coating with Ti-doped DLC Films for Application in Biomaterials	Corrosion Science	Aug 2022	Q1	7.72	Surface, Interface and Thin Films
10	BL4.1: IR	Weerapreeyakul, N.	Kaimuangpak, K., Tamprasit, K., <u>Thumanu, K.</u> and Weerapreeyakul, N.	Extracellular Vesicles Derived from Microgreens of Raphanus Sativus L. var. Caudatus Alef Contain Bioactive Macromolecules and Inhibit HCT116 Cells Proliferation	Scientific Reports 12 (2022): 15686	Sep 2022	Q1	4.996	Biological and Life Science
	BL4.1: IR	Kuaprasert, B.	<u>Kuaprasert, B.</u> , Chitnumsub, P., Leartsakulpanich, U., Suginta, W., Leelayoova, S., Mungthin, M., Sitthichot, N., Rattanabunyong, S., Kiriwan, D. and Choowongkamon, K.	Dual Role of Azo Compounds in Inhibiting Plasmodium Falciparum Adenosine Deaminase and Hemozoin Biocrystallization	Experimental Parasitology	Sep 2022	Q3	2.132	Biological and Life Science
11	BL4.1: IR	Thumanu, K., Apiratikul, R.	Pongpiachan, S., <u>Thumanu, K.</u> , Chantharakhon, C., Phoomalee, C., Tharasawatpipat, C., Apiratikul, R., Poshyachinda, S. and Poshyachinda, S.	Applying Synchrotron Radiation-Based Attenuated Total Reflection-Fourier Transform Infrared to Evaluate the Effects of Shipping Emissions on Fluctuations of PM10-Bound organic functional groups and ionic species	Atmospheric Pollution Research	Aug 2022	Q1	4.831	Environmental Science
12	BL5.2: XAS	Sawangphruk, M.	Bunyanidhi, P., Phattharasupakun, N., Tomon, C., Duangdangchote, S., <u>Kidkhunthod, P.</u> and Sawangphruk, M.	Mechanofusing Garnet Solid Electrolyte on the Surface of Ni-Rich Layered Oxide Cathode towards High-Rate Capability of Cylindrical Li-Ion Battery Cells	Journal of Power Sources 549 (Nov 2022): 232043	Sep 2022	Q1	9.794	Materials Science and Engineering
13	BL5.2: XAS	Zhou, Y., Wang, X. and Lee, J. M.	Li, Y., <u>Kidkhunthod, P.</u> , Zhou, Y., Wang, X. and Lee, J. M.	Dense Heterointerfaces and Unsaturated Coordination Synergistically Accelerate Electrocatalysis in Pt/Pt5P2 Porous Nanocages	Advanced Functional Materials	Aug 2022	Q1	19.924	Chemistry
14	BL5.2: XAS	Padchasri, J., Kidkhunthod, P.	Lomon, J., Padchasri, J., Montreeuppathum, A., Siriroj, S., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Songsiriritthigul , P., Kidkhunthod, P.	Nickel and Manganese on Lithium Borate Glass Cathode for Energy Storage Materials	Materialia 26 (Dec 2022): 101583	Sep 2022	Q1	3.44	Materials Science and Engineering
15	BL5.2: XAS	Rittisut, W., Prasatkhetragarn, A., Kaewkhao, J.	Rittisut, W., Wantana, N., Ruangtawee, Y., Mool-am-kha, P., <u>Padchasri, J.</u> , <u>Rujirawat, S.</u> , Manyum, P., Yimnirun, R., <u>Kidkhunthod, P.</u> , Prasatkhetragarn, A., Kothan, S., Kim, H. J. and Kaewkhao, J.	Spectroscopic Characteristics and Optimization of (Gd3+/Eu3+) Co-Doped in Alkal Borate Glasses for Solid State Lighting Material	Materials Chemistry and Physics 290 (Oct 2022): 126625	Aug 2022	Q2	4.778	Materials Science and Engineering
16	BL5.2: XAS	Kothan, S., Kaewkhao, J.	Rittisut, W., Mool-am-kha, P., Wantana, N., Ruangtawee, Y., <u>Rujirawat, S.</u> , <u>Kidkhunthod, P.</u> , Manyum, P., Yimnirun, R., Prasatkhetragarn, A., Kothan, S., Kim, H.J., Kaewkhao, J.	New Developments in the Gd3+/Sm3+ Ions Doped Lithium Aluminum Borate Glasses of Luminescent Materials for Lighting Applications	Radiation Physics and Chemistry 201 (Nov 2022): 110443	Aug 2022	Q2	2.776	Materials Science and Engineering
17	BL5.2: XAS	Khemthong, P., Sakdaronnarong, C.	Saengsrichan, A., Khemthong, P., Wanmolee, W., Youngjan, S., Phanthasri, J., Arjfuk, P., Pongchaikul, P., Ratchahat, S., Posoknistakul, P., Laosiripojana, N., Wu, K. C. W. and Sakdaronnarong, C.	Platinum/Carbon Dots Nanocomposites from Palm Bunch Hydrothermal Synthesis as Highly Efficient Peroxidase Mimics for Ultra-low H2O2 Sensing Platform Through Dual Mode of Colorimetric and Fluorescent Detection	Analytica Chimica Acta 1230 (Oct 2022): 340368	Sep 2022	Q1	6.911	Medical Applications

18	BL5.2: XAS	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N., Poo-arporn, Y., Wannapaiboon, S., Kidkhunthod, P.</u> and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe3O4 and a-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
19	BL5.2: XAS	Kidkhunthod, P.	Siroroj, S., Padchasri, J., Montreeuppathum, A., Lomon, J., <u>Chanlek, N., Poo-arporn, Y.</u> , Songsiriritthigul, P., <u>Rujirawat, S.</u> and Kidkhunthod, P.	Enhancement of V2O5 Li-Ion Cathode Stability by Ni/Co Doped Li-Borate-Based Glass	RSC Advances 12 (2022): 26111-115	Sep 2022	Q1	4.036	Materials Science and Engineering
20	BL5.3: XPS	Srepusharawoot, P.	Boonlakhorn, J., <u>Chanlek, N.,</u> Suksangrat, P., Thongbai, P. and Srepusharawoot, P.	Colossal Dielectric Properties of Na1/3Ca1/3Sm1/3Cu3Ti4O12 Ceramics: Computational and Experimental Investigations	Ceramics International	Sep 2022	Q1	5.532	Materials Science and Engineering
21	BL5.3: XPS	Jumpatam, J.	Jumpatam, J., Boonlakhorn, J., Putaseang, B., <u>Chanlek, N.</u> and Thongbai, P.	Preparation, Characterizations, Dielectric Properties and Nonlinear Behavior of (Na+1/3Ca2+1/3Yb3+1/3)Cu3Ti4O12 ceramics	Solid State Sciences 132 (Oct 2022): 106994	Aug 2022	Q2	3.752	Materials Science and Engineering
22	BL5.3: XPS	Padchasri, J., Kidkhunthod, P.	Lomon, J., Padchasri, J., Montreeuppathum, A., Siroroj, S., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Songsiriritthigul , P., Kidkhunthod, P.	Nickel and Manganese on Lithium Borate Glass Cathode for Energy Storage Materials	Materialia 26 (Dec 2022): 101583	Sep 2022	Q1	3.44	Materials Science and Engineering
23	BL5.3: XPS	Thongbai, P.	Mingmuang, Y., <u>Chanlek, N.,</u> Harnchana, V. and Thongbai, P.	Effect of Sn4+-Isovalent Doping Concentration on Giant Dielectric Properties of SnxTa0.025Ti0.975-xO2 Ceramics	Ceramics International	Aug 2022	Q1	5.532	Materials Science and Engineering
24	BL5.3: XPS	Ramly, M. M., Goh, B. T.	Ramly, M. M., Omar, F. S., <u>Chanlek, N.,</u> Aspanut, Z. and Goh, B. T.	Control Growth of High Density and Morphological Uniformity of tTaper-Free Ni3Si2 NWs for Enhancement in Supercapacitor	Electrochimica Acta 431 (Nov 2022); 141076	Sep 2022	Q1	7.336	Materials Science and Engineering
25	BL5.3: XPS	Loiha, S.	Senamart, N., Deekamwong, K., Wittayakun, J., Prayoonpokarach, S., <u>Chanlek, N., Poo-arporn, Y., Wannapaiboon, S., Kidkhunthod, P.</u> and Loiha, S.	Structural Elucidation of Hexavalent Cr Adsorbed on Surfaces and Bulks of Fe3O4 and a-FeOOH	RSC Advances 12 (2022): 25578-25586	Sep 2022	Q1	3.73	Materials Science and Engineering
26	BL7.2: MX	Abdullah, M. M. A. B.	Arokiasamy, P., Abdullah, M. M. A. B., Rahim, S. Z. A., Zainol, R. R. M. A., Salleh, M. A. A. M., Kheimi, M., <u>Chairapra, J.,</u> Sandu, A. V., Vizureanu, P., Razak, R. A. and Jamil, N. H.	Metakaolin/Sludge Based Geopolymer Adsorbent on High Removal Efficiency of Cu2+	Case Studies in Construction Materials	Aug 2022	Q1	4.934	Environmental Science
27	BL6b: XRF	Abdullah, M. M. A. B.	Arokiasamy, P., Abdullah, M. M. A. B., Rahim, S. Z. A., Zainol, R. R. M. A., Salleh, M. A. A. M., Kheimi, M., <u>Chairapra, J.,</u> Sandu, A. V., Vizureanu, P., Razak, R. A. and Jamil, N. H.	Metakaolin/Sludge Based Geopolymer Adsorbent on High Removal Efficiency of Cu2+	Case Studies in Construction Materials	Aug 2022	Q1	4.934	Environmental Science
28	BL8: XAS	Choojun, K., Sooknoi, T.	Promchana, P., Choojun, K., Leesakul, N., Saithong, S., Chainok, K. and Sooknoi, T.,	Experimental Insights into Catalytic Oxidation of 1,6-Hexanediol to ε-Caprolactone over (p-cymene) RuCl2(L) Complexes in Non-Polar Media	Reaction Chemistry Engineering	Aug 2022	Q1	5.2	Chemistry

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No.	BL	Corresponding Author	Author	Title	Source	Publish online	Quartile	IF2020	Field Res.
1	BL1.1W: MXT	Bureekaew, S.	Adpakpang, K., Pukdeejorhor, L., Ngamwongwan, L., Suthirakun, S., Impeng, S., <u>Wannapaiboon, S.,</u> Chakthranont, P., Faungnawakij, K. and Bureekaew, S.	Conductive Co-Triazole Metal-Organic Framework Exploited as Oxygen Evolution Electrocatalyst	Chemical Communications 58 (2022): 7124-27	May 2022	Q1	6.222	Chemistry
2	BL1.1W: MXT	Asih, R., Darminto	Asih, R., Daratika, D. A., Astuti, F., Baqiya, M. F., Watanabe, I., <u>Saiyasombat, C.,</u> Kato, M., Koike, Y., Rusydi, A. and Darminto	Enhanced Ferromagnetism in Cu-Substituted ZnO Nanoparticles	Materials Chemistry and Physics 278 (Feb 2022): 125606	Dec 2021	Q2	4.094	Earth Science, Archeology and
3	BL1.1W: MXT	Praserthdam, P.	Auepattana-aumrung, C., <u>Wannapaiboon, S.,</u> Wannakao,S., Praserthdam, S., Jongsomjit, B., Panpranot, J. and Praserthdam, P.	A Study of the Acidity on Catalyst Surface to Control 1-Butene Reaction Mechanism of Metallosilicate Catalysts	Molecular Catalysis 529 (Aug 2022): 112533	Jul 2022	Q1	5.062	Chemistry
4	BL1.1W: MXT	Sampanpanish, P.	Boonmeerati, U. and Sampanpanish, P.	Enhancing Arsenic Phytoextraction of Dwarf Napier Grass (Pennisetum purpureum cv. Mott) from Gold Mine Tailings by Electrokinetics Remediation with Phosphate and EDTA	Journal of Hazardous, Toxic, and Radioactive Waste 25 (2021): 04021027	Jul 2021	Q2	1.44	Earth Science, Archeology and Gemology
5	BL1.1W: MXT	Saisopa, T.	Bootchanont, A., Wattanawikkam, C., Porjai, P., Sailuam,W., <u>Busayaporn, W.,</u> Saiyasombat, C., Kidkhunthod, P., Borsup, J., Songsiriritthigul, P., Jiamprasertboon, A., Lertvanithphol, T., Horprathum, M., Pengsri, P. and Saisopa, T	Characterization of Structural Orientation and Optical Properties of Al and Cr in Rubies	Radiation Physics and Chemistry 199 (Oct 2022): 110315	Jun 2022	Q2	2.858	Earth Science, Archeology and Gemology
6	BL1.1W: MXT	Rong, Y. and Han, H.	Chen, X., Xia, Y., Zheng, Z., Xiao, X., Ling, C., Xia, M., Hu, Y., Mei, A., Cheacharoen, R., Rong, Y. and Han, H.	In Situ Formation of δ-FAPbI3 at the Perovskite/Carbon Interface for Enhanced Photovoltage of Printable Mesoscopic Perovskite Solar Cells	Chemistry of Materials 34 (2022): 728-735	Jan 2022	Q1	9.811	Surface, Interface and Thin Films
7	BL1.1W: MXT	Wannapaiboon, S., Wattanathana, W.	Deeloed, W., Hanlomyuang, Y., <u>Limphirat, W.,</u> Suramitr, S., Chansaenpak, K., Kanjanaboos, P., <u>Wannapaiboon, S.</u> and Wattanathana, W.	Oxidative Thermal Conversion of Hydrothermal Derived Precursors toward the Mixed-Metal Cobaltite Spinel Oxides (ZnCo2O4 and NiCo2O4): In-Situ Investigation by Synchrotron-Radiation XRD and XAS Techniques	Crystals 11 (2021): 1256	Oct 2021	Q2	2.589	Chemistry
8	BL1.1W: MXT	Poo-arporn, Y., Poo-arporn, R. P.	Duangmanee, S., <u>Poo-arporn, Y.,</u> Janphuang, P., Leuasoonognoen, P., Tonlublao, S., Kamonpha, P., Saengchai, N., <u>Chanlek, N.,</u> Saisombat, C. and Kidkhunthod, P	An Operando X-ray Absorption Spectroscopy Study on Sensing Characteristics of Vertically Aligned ZnO Thin Film for Methane Gas Sensors	Nanomaterials 12 (2022): 1285	Apr 2022	Q1	5.076	Surface, Interface and Thin Films
9	BL1.1W: MXT	Panpranot, J.	Hongrutai, N., Watmanee, S., Wannakao, S., Praserthdam, P. and Panpranot, J.	Effect of Small Amounts of Al on the Surface Silanol Structure and their Correlation to the Improved Catalytic Performances of WOx/SiO2eAl2O3 in the Propene self-Metathesis	Materials Today Chemistry 21 (Aug 2021): 100492	Jul 2021	Q1	8.301	Chemistry
10	BL1.1W: MXT	Ngamchuea, K.	Jankhunthod, S., Moonla, C., Watwiangkham, A., Suthirakun, S., Siritanon, T., <u>Wannapaiboon, S.</u> and Ngamchuea, K.	Understanding Electrochemical and Structural Properties of Copper Hexacyanoferrate: Application in Hydrogen Peroxide Analysis	Electrochimica Acta 394 (Oct 2021): 139147	Aug 2021	Q1	6.901	Chemistry
11	BL1.1W: MXT	Kongpatpanich, K. and Promarak, V.	Kaiyasuan, C., Somjit, V., Boekfa, B., Packwood, D., Chasing, P., Sudyoadsuk, T., Kongpatpanich, K. and Promarak, V.	Intrinsic Hole Mobility in Luminescent Metal-organic Framework and Its Application in Organic Light-Emitting Diodes	Angewandte Chemie International Edition 61 (Apr 2022): e202117608	Feb 2022	Q1	15.336	Chemistry

12	BL1.1W: MXT	Hanlummyuang, Y.	La-ongtup, N., Wannapaiboon, S., Pinyou, P., <u>Wattanathana, W.</u> and Hanlummyuang, Y.	Effects of Re on Vacancy Mobility in a Ni-Re System: An Atomistic Study	Journal of Chemistry (2021):	Oct 2021	Q2	2.25	Materials Science and Engineering
13	BL1.1W: MXT	Pratapa, S.	Latif, C., Firdausi, A., Nihlatunnur, N., <u>Saiyasombat, C.</u> , <u>Klysubun, W.</u> , Subhan, A., Zainuri, M. and Pratapa, S.	Synchrotron Crystal and Local Structures, Microstructure, and Electrical Characterization of Cudoped LiFePO4/C via Dissolution method with Ironstone as Fe Source	Journal of Materials Science: Materials in Electronics 33 (2022): 17722-32	Jul 2022	Q2	2.478	Materials Science and Engineering
14	BL1.1W: MXT	Kadja, G. T. M., Ismunandar	Maryanti, E., Ilmi, M. M., Nurdini, N., Setiawan, P., Syah, Y. M., <u>Saiyasombat, C.</u> , Kadja, G. t. M. and Ismunandar	Hematite as unprecedented black rock art pigment in Jufri Cave, East Kalimantan, Indonesia: the Microscopy, Spectroscopy, and Synchrotron X Ray Based Investigation	Archaeological and Anthropological Sciences 14 (2022): 122	May 2022	Q1	1.989	Earth Science, Archeology and Gemology
15	BL1.1W: MXT	Ngamchuea, K.	Ngamchuea, K., <u>Wannapaiboon, S.</u> , Nongkhunsan, P., Hirunsit, P. and Fongkaew, I.	Structural and Electrochemical Analysis of Copper-Creatinine Complexes: Application in Creatinine Detection	Journal of The Electrochemical Society 169 (2022): 020567	Feb 2022	Q1	4.316	Chemistry
16	BL1.1W: MXT	Ngamchuea, K.	Ngamchuea, K., Moonla, C., Watwiangkham, A., <u>Wannapaiboon, S.</u> and Suthirakun, S.	Electrochemical and Structural Investigation of Copper Phthalocyanine: Application in the Analysis of Kidney Disease Biomarker	Electrochimica Acta 428 (Oct 2022): 140951	Aug 2022	Q1	6.901	Chemistry
17	BL1.1W: MXT	Ngeontae W.	Ngeontae, W., Chaiendoo, K., Ngamdee, K., Ruangchai, S., <u>Saiyasombat, C.</u> , <u>Busayaporn, W.</u> , Itisanronnachai, S. and Promarak, V.	A Highly Selective Fluorescent Sensor for Manganese(II) Ion Detection Based on N,S-Doped Carbon Dots Triggered by Manganese Oxide	Dyes and Pigments 203 (Jul 2022); 110325	Apr 2022	Q1	4.889	Chemistry
18	BL1.1W: MXT	Khunphonoi, R., Butburee, T.	Permporn, D., Khunphonoi, R., Wilamat, J., Khemthong, P., Chirawatkul, P., Butburee, T., Sangkhun, W., Wantala, K., Grisdanurak, N., Santatiwongchai, J., Hirunsit, P., <u>Klysubun, W.</u> and De Luna, M. D. G.	Insight into the Roles of Metal Loading on CO2 Photocatalytic Reduction Behaviors of TiO2	Nanomaterials 12 (2022): 474	Jan 2022	Q1	5.076	Chemistry
19	BL1.1W: MXT	Chansaenpak, K.	Piyanuch, P., Wangngae, S., Kamkaew, A., <u>Wattanathana, W.</u> , Wannapaiboon, S., Impeng, S., Maneeprakorn, W., Promarak, V., Chansaenpak, K.	Ultrasensitive Fluorogenic Chemosensor Based on ESIPT Phenomenon for Selective Determination of Cu2+ Ion in Aqueous System and Its Application in Environmental Samples and Biological Imaging	Dyes and Pigments 205 (Sep 2022); 110532	Jun 2022	Q1	5.122	Materials Science and Engineering
20	BL1.1W: MXT	Padungthon, S.	Pranudta, A., Patra, S., Amonpattaratkit, P., <u>Klysubun, W.</u> , <u>Saiyasombat, C.</u> , El-Moselhy, M. M., Nguyen, T. T. and Padungthon, S.	Immobilization of Arsenic in Wastewater from Regeneration of Fixed-Bed Adsorbent by Coprecipitation with Zirconium Nano-Sludge for Disposal in Landfills	Journal of Environmental Chemical Engineering 10 (Jun 2022): 107754	Apr 2022	Q1	5.909	Environmental Science
21	BL1.1W: MXT	Bureekaew, S.	Pukdeejorhor, L., Adpakpang, K., <u>Wannapaiboon, S.</u> and Bureekaew, S.	Co-based Metal–Organic Framework for Photocatalytic Hydrogen Generation	Chemical Communications 58 (Jul 2022): 8153-8296	Jun 2022	Q1	6.222	Chemistry
22	BL1.1W: MXT	Sutthirat, C.	Pluthametwisute, T., Wanthanachaisaeng, B., <u>Saiyasombat, C.</u> and Sutthirat, C.	Minor Elements and Color Causing Role in Spinel: Multi-Analytical Approaches	Minerals 12 (2022): 928	Jul 2022	Q2	2.74	Earth Science, Archeology and Gemology
23	BL1.1W: MXT	Baqiya, M. A.	Putra, P. E. D., Irfanita, R., Purwanto, A., Baqiya, M. A., <u>Kamonsuangkasem, K.</u> , <u>Saiyasombat, C.</u> , Insani, A., Suasmoro, Purwaningsih, S. Y. and Darminto	Structural Analysis and Oxygen Defects in the Partially Oxygen-Reduced T'-Pr2-xCexCuO4+δ with x = 0 and 0.15 Powders at the Normal State	Materials Chemistry and Physics 284 (May 2022): 126019	Mar 2022	Q2	4.094	Materials Science and Engineering
24	BL1.1W: MXT	Kongpatpanich, K.	Somjit, V., Thinsoongnoen, P., Pila, T., Boekfa, B., <u>Wannapaiboon, S.</u> and Kongpatpanich, K.	Hydroxylation of UiO-66 Metal–Organic Frameworks for High Arsenic(III) Removal Efficiency	Inorganic Chemistry 61 (2022): 11342-48	Jul 2022	Q1	5.165	Chemistry
25	BL1.1W: MXT	Jiansirisomboon, S.	Tongpeng, S., Makbun, K., <u>Janphuang, P.</u> , <u>Wannapaiboon, S.</u> , <u>Pattanakul, R.</u> , Pojprapai, S. and Jiansirisomboon, S.	Synthesis and Characterization of La-Doped Hafnium Oxide Thin Films by Sol–Gel Method	Integrated Ferroelectrics, 222 (2022): 102-115	Dec 2021	Q3	0.84	Surface, Interface and Thin Films
26	BL1.1W: MXT	Wantala, K., de Luna, M. D. G.	Wantala, K., See Go, F. C. L., Garcia, V. C. C., <u>Chirawatkul, P.</u> , <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , Abarca, R. R. M. and de Luna, M. D. G.	Low Thermal Oxidation of Gaseous Toluene over Cu/Ce Single-Doped and Co-Doped OMS-2 on Different Synthetic Routes	Chemical Engineering Communications	Mar 2022	Q2	2.494	Chemistry
27	BL1.1W: MXT	Panpranot, J.	Watmanee, S., Nganglumpoon, R., Hongrutai, N., Pinthong, P., Praserttham, P., <u>Wannapaiboon, S.</u> , Szilagy, P. A., Morikawa, Y. and Panpranot, J.	Formation and Growth Characteristics of Nanostructured Carbon Films on Nascent Ag Clusters During Room-Temperature Electrochemical CO2 Reduction	Nanoscale Advances 4 (2022): 2255-2267	Mar 2022	Q1	4.553	Surface, Interface and Thin Films
28	BL1.1W: MXT	Horike, S. and Pattanasattayavong, P.	Wechwithayakhlung, C., <u>Wannapaiboon, S.</u> , Na-Phattalung, S., Narabadeesuphakorn, P., Tanjindaprateep, S., Waiprasoet, S., Imyen, T., Horike, S. and Pattanasattayavong, P.	Mixed-Metal Cu–Zn Thiocyanate Coordination Polymers with Melting Behavior, Glass Transition, and Tunable Electronic Properties	Inorganic Chemistry 60 (2021): 16149-16159	Oct 2021	Q1	5.165	Materials Science and Engineering
29	BL1.1W: MXT	Panpranot, J.	Nganglumpoon, R., Watmanee, S., Teerawatananond, T., Pinthong, P., Poolboon, K., Hongrutai, N., Tungasmita, D.N., Tungasmita, S., Boonyongmaneerat, Y., Jantaping, N., <u>Wannapaiboon, S.</u> , Praserttham, P., Morikawa, Y., Goodwin Jr., J.G. and Panpranot, J.	Growing 3D-Nanostructured Carbon Allotropes from CO2 at Room Temperature Under the Dynamic CO2 Electrochemical Reduction Environment	Carbon 187 (Feb 2022): 241-255	Nov 2021	Q1	9.594	Surface, Interface and Thin Films
30	BL1.1W: MXT	Wannapaiboon, S., Wattanathana, W.	Pipattanaporn, P., Pansiri, P., Kumpeerakij, P., Yaemphutthong, S., Siri-apai, P., Suetrong, N., Chansaenpak, K., Singkammo, S., Kanjanaboos, P., Hanlummyuang, Y., <u>Wannapaiboon, S.</u> and Wattanathana, W.	Effect of Triethanolamine Chelating Agent on Crystallinities, Phase Purities and Optical Properties of Spinel Zinc Aluminate Synthesized by Thermal Decomposition	Ceramics International 48 (Mar 2022): 8186-95	Dec 2021	Q1	4.527	Materials Science and Engineering
31	BL1.1W: MXT	Bootchanont, A.	Wattanawikkam, C., Bootchanont, A., Porjai, P., Jetjamnong, C., Kowong, R., Lertvanithphol, T., Chananonnawathorn, C., <u>Chirawatkul, P.</u> , <u>Chanlek, N.</u> , <u>Nakajima, N.</u> , <u>Songsiriritthigul, P.</u> , Kiama, N., Nareejun, W., Tomkham, P., Ponchio, C., Rahong, S., Kluamchuen, A. and Horprathum, M.	Phase Evolution in Annealed Ni-doped WO3 Nanorod Films Prepared via a Glancing Angle Deposition Technique for Enhanced Photoelectrochemical Performance	Applied Surface Science 584 (May 2022): 152581	Jan 2022	Q1	6.707	Surface, Interface and Thin Films
32	BL1.1W: MXT	Punwong, P.	Punwong, P., Promplin, S., Lomchantrasilp, C., Soonthornampaipong, P., Englong, A., Marchant, R., Selby, K. and <u>Chirawatkul, P.</u>	Documenting a Thousand Years of Environmental and Anthropogenic Changes on Mangroves on the Bangkok Coast, the Upper Gulf of Thailand	Vegetation History and Archaeobotany	Mar 2022	Q1	2.375	Environmental Science
33	BL1.1W: MXT	Tengjaroensakul, B.	Srikacha, N., Sriuttha, M., Neeratanaphan, L., <u>Saiyasombat, C.</u> and Tengjaroensakul, B.	The Improvement of Natural Thai Bentonite Modified with Cationic Surfactants on Hexavalent Chromium Adsorption from an Aqueous Solution	Adsorption Science & Technology	May 2022	Q2	4.232	Medical Applications
34	BL1.1W: MXT	Pecharapa, W.	Wechprasit, T., Kansaard, T., Bootchanont, A. and Pecharapa, W.	Structural and Optical Properties of MnIncorporated BiVO4 Nanoparticles Synthesized by Sonochemical Process	Integrated Ferroelectrics 222 (2022): 116-124	Dec 2021	Q3	0.84	Chemistry
35	BL1.1W: MXT	Wannapaiboon, S., Hanlummyuang, Y.	Yaemphutthong, S., Wattanathana, W., Chansaenpak, K., Singkammo, S., Kanjanaboos, P., Siri-apai, P., Janejobsakonkit, S., Pipattanaporn, P., Suetrong, N., <u>Wannapaiboon, S.</u> and Hanlummyuang, Y.	Structural Investigation and Optical Properties of Cobalt Aluminate Pigments Derived from Thermal Decomposition of Mixed-Metal Nitrate Co-Crystals	Ceramics International 48 (Jul 2022): 18490-18501	Mar 2022	Q1	4.527	Chemistry
36	BL1.1W: MXT	Bongkarn, T.	Yimsabai, S., Bhupajit, P., Pinitsoontorn, S., Prasertpalichat, S., Thountom, S. and Bongkarn, T.	Influence of Fe2O3 Doping Levels on the Phase Evolution, Microstructure, Electrical and Magnetic Properties of Ba0.97Ca0.03Ti0.94Sn0.06O3 Ceramics Synthesized via the Solid-State Combustion Technique	Integrated Ferroelectrics 222 (2022): 209-217	Dec 2021	Q3	0.84	Materials Science and Engineering
37	BL1.2: XTM	Won-in, K.	Boonruang, C., Won-in, K., Nimsuwan, N., <u>Pakawanit, P.</u> , Tippawan, U., Thongleurm, C. and Dararutana, P	Characterization of Ancient Burial Pottery of Ban Muang Bua Archaeological Site (Northeastern Thailand) Using X-ray Spectroscopies	Applied Science 12 (2022): 2568	Mar 2022	Q2	2.679	Earth Science, Archeology and Gemology
38	BL1.2: XTM	Chanput, W. P.	Chaowattanakul, T., Khieu, V. M., <u>Rojviriya, C.</u> , <u>Siriwong, S.</u> , Jittanit, W. and Chanput, W. P.	Energy Consumption, Physical Properties, Protein Structure and Digestibility of Edible Insects Dried using Three Methods	Journal of Insects as Food and Feed 8 (May 2022): 525-535	Nov 2021	Q2	3.484	Food and Agriculture Science

39	BL1.2: XTM	Wongdee, K.	Charoenphandhu, N., Sooksawanwit, S., Aeimlapa, R., Thonapan, N., Upanan, P., Adulyaritthikul, P., Krungchanuchat, S., Panupinthu, N., Teerapompunkit, J., <u>Rojviriya, C.</u> , Lertsuwan, K., Svasti, S. and Wongdee, K.	Mild Intensity Physical Activity Prevents Cardiac and Osseous Iron Deposition Without Affecting Bone Mechanical Property or Porosity in Thalassemic Mice	Scientific Reports 12 (2022): 5959	Apr 2022	Q1	4.379	Biological and Life Science
40	BL1.2: XTM	Cheng-Yong, H.	Hui-Teng, N., Cheng-Yong, H., Yun-Ming, L., Abdullah, M. M. A. B., Pakawanit, P., Bayuaji, R., Yong-Sing, N., Zulkifly, K. B., Wan-En, O., Yong-Jie, H. and Shee-Ween, O.	Comparison of Thermal Performance between Fly Ash Geopolymer and Fly Ash-Ladle Furnace Slag Geopolymer	Journal of Non-Crystalline Solids 585 (2022): 121527	Feb 2022	Q1	3.531	Polymers
41	BL1.2: XTM	Cheng-Yong, H., Sandu, A. V.	Hui-Teng, N., Cheng-Yong, H., Yun-Ming, L., Abdullah, M. M. A. B., <u>Rojviriya, C.</u> , Razi, H. M., Garus, S., Nabialek, M., Sochacki, W., Abidin, I. M. Z., Yong-Sing, N., Sliwa, A. and Sandu, A. V.	Preparation of Fly Ash-Ladle Furnace Slag Blended Geopolymer Foam via Pre-Foaming Method with Polyoxyethylene Alkyether Sulphate Incorporation	Materials 15 (2022): 4085	Jun 2022	Q2	3.623	Polymers
42	BL1.2: XTM	Cheng-Yong, H.	Hui-Teng, N., Cheng-Yong, H., Yun-Ming, L., Abdullah, M. M. A. B., <u>Rojviriya, C.</u> , Ken, P. W., Shee-Ween, O., Yong-Jie, H. and, Wan-En, O.	Thermo-Mechanical Behaviour of Fly Ash-Ladle Furnace Slag Blended Geopolymer with Incorporation of decahydrate Borax	Construction and Building Materials 331 (May 2022): 127337	Apr 2022	Q1	6.141	Polymers
43	BL1.2: XTM	Kantrong, N.	Kantrong, N., Khongkaphet, K., Sitornsud, N., Lo-apirukkul, P., Phanprom, W., <u>Rojviriya, C.</u> , Amonpattaratkit, P. and Ariyakriangkai, W.	Synchrotron Radiation Analysis of Root Dentin: the Roles of Fluoride and Calcium Ions in Hydroxyapatite Remineralization	Journal of Synchrotron Radiation 29 (Mar 2022)	Jan 2022	Q1	2.616	Medical Applications
44	BL1.2: XTM	Kongparakul, S.	Kheaw-in, P., Samart, C., <u>Chanlek, N.</u> , <u>Pakawanit, P.</u> , Reubroycharoen, P., Guan, G., Kongparakul, S. and Kiatkamjornwong, S.	Fabrication of Fluoroalkylsilane/Zeoilic Imidazolate Framework Composites for Highly Efficient Superhydrophobic Coating	Carbon Resources Conversion 5 (Mar 2022): 26-34	Dec 2021	n/a	n/a	Surface, Interface and Thin Films
45	BL1.2: XTM	López-Aranguren, P.	Orue, A., Arrese-Igor, M., Cid, R., Judez, X., Gómez, N., López del Amo, J. M., Manalastas, Jr., W. W., Srinivasan, M., <u>Rojviriya, C.</u> , Armand, M., Aguesse, F. and P. López-Aranguren,	Enhancing the Polymer Electrolyte – Li Metal Interface on Highvoltage Solid-State Batteries with Li-based Additives Inspired by the Surface Chemistry of Li7La3Zr2012	Journal of Materials Chemistry A 10 (2022): 2352-61	Dec 2021	Q1	12.732	Materials Science and Engineering
46	BL1.2: XTM	Vittayakorn, N.	Pakawanit, P., Pharino, U., Charoonsuk, T., Sriphan, S., Pongampai, S. and Vittayakorn, N.	Simple Fabrication of Porous 3D Substrate Polydimethylsiloxane (PDMS) Compositd with Polyvinylidene Fluoride-co-Hexafluoropropylene (PVDF-HFP) for Triboelectric Nanogenerator	Integrated Ferroelectrics		Q3	0.836	Polymers
47	BL1.2: XTM	Dubal, D., Hong, S.	Panda, S., Hajra, S., Jeong, H., Panigrahi, B. K., <u>Pakawanit, P.</u> , Dubal, D., Hong, S. and Kim, H. J.	Biocompatible CaTiO3-PVDF Composite-Based Piezoelectric Nanogenerator for Exercise Evaluation and Energy Harvesting	Nano Energy 102 (2022): 107682	Aug 2022	Q1	17.881	Materials Science and Engineering
48	BL1.2: XTM	Rungswang, W.	Rungswang, R., Jarumaneeroj, C., Jirasukho, P., Juabrum, S., <u>Pakawanit, P.</u> , <u>Soontaranon, S.</u> and <u>Rugmai, S.</u>	Time-Resolved SAXS/WAXD under Tensile Deformation: Role of Segmental Ethylene–Propylene Copolymers in Impact-Resistant Polypropylene Copolymers	ACS Applied Polymer Materials 3 (2021): 6394-6406	Nov 2021	Q1	4.089	Polymers
49	BL1.2: XTM	Panpisut, P.	Srisomboon, S., Kettratad, M., Stray, A., <u>Pakawanit, P.</u> , <u>Rojviriya, C.</u> , Patntirapong, S., Panpisut, P.	Effects of Silver Diamine Nitrate and Silver Diamine Fluoride on Dentin Remineralization and Cytotoxicity to Dental Pulp Cells: An In Vitro Study	Journal of Function Biomater 13 (2022): 16	Feb 2022	Q1	7.09	Medical Application
50	BL1.2: XTM	Camacho, D. H.	Ybanez, M. G. and Camacho, D. H.	Designing Hydrophobic Bacterial Cellulose Film Composites Assisted by Sound Waves	RSC Advances 11 (2021): 32873-83	Oct 2021	Q1	3.361	Materials Science and Engineering
51	BL1.2: XTM	Yun-Ming, L.	Yong-Sing, N., Yun-Ming, L., Cheng-Yong, H., Abdullah, M. M. A. B., <u>Pakawanit, P.</u> , Vizureauu, P., Khalid, M.S., Hui-Teng, N., YongJie, H., Nabialek, M., Pietrusiewicz, P., Garus, S., Sochacki, W. and Sliwa, A.	Improvements of Flexural Properties and Thermal Performance 2 in Thin Geopolymer based on Fly Ash and Ladle Furnace Slag 3 using Borax Decahydrates	Materials 15 (2022): 4178	May 2022	Q2	3.623	Polymers
52	BL1.2: XTM	Yun-Ming, L.	Yong-Sing, N., Yun-Ming, L., Cheng-Yong, H., Abdullah, M. M. A. B., <u>Pakawanit, P.</u> , Chan, L. W. L., Hui-Teng, N., , Shee-Ween, O., Wan-En, O. and Yong-Jie, H.	Thin Fly Ash/ Ladle Furnace Slag Geopolymer: Effect of Elevated Temperature Exposure on Flexural Properties and Morphological Characteristics	Ceramics International 48 (Jun 2022): 16562-16575	Feb 2022	Q1	4.527	Polymers
53	BL1.3W: SAXS	Dasri, T.	Audtarat, S., Hongsachart, P., Dasri, T., <u>Chio Srichan, S.</u> , <u>Soontaranon, S.</u> , Wongsinlatam, W. and Sompech, S.	Green Synthesis of Silver Nanoparticles Loaded into Bacterial Cellulose for Antimicrobial Application	Nanocomposites	Mar 2022	Q1	3.24	Biological and Life Science
54	BL1.3W: SAXS	Amnuaypanich, S.	Chansorn, N., Amnuaypanich, S., <u>Soontaranon, S.</u> , <u>Rugmai, S.</u> and Amnuaypanich, S.	Increasing Solketal Production from the Solventless Ketalization of Glycerol Catalyzed by Nanodispersed Phosphotungstic Acid in Poly(N-methyl-4-vinyl Pyridinium) Grafted on Silica Nanoparticles	Journal of Industrial and Engineering Chemistry 112 (Aug 2022): 233-243	May 2022	Q1	6.064	Polymers
55	BL1.3W: SAXS	Lomthong, T.	Chorum, M., Suphan, S., Khetkorn, W., Sujarit, K., Naloka, K., Saithong, P., Kitpreechavanich, V. and Lomthong, T.	Conversion of Golden Oyster Mushroom, Pleurotus Citrinopileatus to Sugar Syrup using Enzymatic Hydrolysis as a Substrate for Novel Bacterial Cellulose (Nata) Fermentation	3 Biotech 12 (2022): 207	Aug 2022	Q2	2.893	Biological and Life Science
56	BL1.3W: SAXS	Sankar, G.	Gu, J., Lin, J., Smith, A. J., <u>Soontaranon, S.</u> , <u>Rugmai, S.</u> , Kongmark, C., Coppens, M. O. and Sankar, G.	Towards Understanding Mesopore Formation in Zeolite Y Crystals using Alkaline Additives via in Situ Small-Angle X-ray Scattering	Microporous and Mesoporous Materials 338 (Jun 2022): 111867	May 2022	Q1	5.455	Chemistry
57	BL1.3W: SAXS	Masa, A.	Hayeemasae, N., Saiwari, S., <u>Soontaranon, S.</u> and Masa, A	Influence of Centrifugation Cycles of Natural Rubber Latex on Final Properties of Uncrosslinked Deproteinized Natural Rubber	Polymers 24 (2022): 2713	Jul 2022	Q1	4.329	Polymers
58	BL1.3W: SAXS	Nguyen, P. D.	Hien, L. D., Anh, L. N., Nguyen, P. D., Loan, T. T., Soontaranon, S., Nguyet, D. T. T., Khoa, T. V. and Visser, A. dr	Close-to-Ideal Spin Polarization in Zinc-Doped Fe–Mo Double Perovskites at the Nanoscale	Ceramics International 48 (Jan 2022): 353-362	Sep 2021	Q1	4.527	Surface, Interface and Thin Films
59	BL1.3W: SAXS	Kamonsutthipaijit, N.	<u>Kamonsutthipaijit, N.</u> , Yutaekool, N., <u>Soontaranon, S.</u> and <u>Rugmai, S.</u> Added name: Soontaranon, S.	Quality of Protein Structural Data and Radiation Damage Estimation at Beamline 1.3W: SAXS/WAXS	ScienceAsia 48 (2022)	Jan 2022	Q3	0.61	Biological and Life Science
60	BL1.3W: SAXS	Chanapatttharapol, K. C.	Krachumram, S., <u>Kidkhunthod, P.</u> , <u>Poo-arporn, Y.</u> , <u>Kamonsutthipaijit, N.</u> , Chanapatttharapol, K. C	On the Optimization of Ni/A and Ni/X Synthesis Procedure toward Active and Selective Catalysts for the Production of CH4 from CO2	Catalysts 12 (2022): 823	Jul 2022	Q2	4.501	Chemistry
61	BL1.3W: SAXS	Limsitthichaikoon, S.	Limsitthichaikoon, S., <u>Soontaranon, S.</u> , Hanpramukkun, N., <u>Thumanu, K.</u> and Priprem, A.	Polymeric Micelles Enhance Mucosal Contact Time and Deposition of Fluocinolone Acetonide	Polymers 14 (2022): 2247	May 2022	Q1	4.329	Polymers
62	BL1.3W: SAXS	Loan, T. T.	Loan, T. T., Huy, D. K., Duong, N. P., Hoan, T. D., <u>Soontaranon, S.</u> and <u>Klysubun, W.</u>	Facile Synthesis and Characterization of ZnFe2O4/ZnO Nanocomposite: An Insight Into Structure and Formation	Radiation Physics and Chemistry 193 (Apr 2022): 109977	Jan 2022	Q2	2.858	Materials Science and Engineering
63	BL1.3W: SAXS	Masa, A.	Masa, A., Hayeemasae, N., <u>Soontaranon, S.</u> , Pisal, M. H. M. and Rasidid, M. S. 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	Jun 2021	n/a	n/a	Polymers
64	BL1.3W: SAXS	Masa, A., Hayeemasae, N.	Masa, A. and Hayeemasae, N.	Insight into Mechanical Properties and Strain-induced Crystallisation of Epoxidized Natural Rubber Filled with Various Silanized Halloysite Nanotubes	Materials Research 25 (2022) : e20210602	Jun 2022	Q3	1.41	Polymers
65	BL1.3W: SAXS	Velayutham, T. S.	Mat Zin, S. H., Velayutham, T.S., Furukawa, T., Kodama, H., Gan, W.C., <u>Chio-Srichan, S.</u> , Kriechbaum, M. and Nakajima, T.	Quantitative Study on the Face Shear Piezoelectricity and Its Relaxation in Uniaxially-Drawn and Annealed Poly-L-Lactic Acid	Polymer 254 (Jul 2022): 125095	Jun 2022	Q1	4.43	Polymers
66	BL1.3W: SAXS	Tongta, S.	Nontamas, P., <u>Phatthanakun, R.</u> , <u>Chio-Srichan, S.</u> , <u>Soontaranon, S.</u> , Sorndech, W. and Tongta, S.	Physico-Chemical Properties and Digestibility of Native and Citrate Starches Change in Different Ways by Synchrotron Radiation	International Journal of Biological Macromolecules 207 (May 2022): 475-483	Mar 2022	Q1	6.953	Food and Agriculture Science
67	BL1.3W: SAXS	Patriati, A.	Patriati, A. Insani, A., Suparno, N., Hutamaningtyas, E., Soontaranon, S. and Mujamilah	Study of Dried and Calcinated Ceria Stabilized Zirconia Microspheres Morphology by SmallAngle X-Ray Scattering and Optical Microscopy	Atom Indonesia 47 (2021): 5-10	Jan 2021	Q3	0.6	Chemistry
68	BL1.3W: SAXS	Utke, R.	Plerdsranoy, P., <u>Poo-arporn, Y.</u> , <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , <u>Kamonsutthipaijit, N.</u> , Suthirakun, S., Fongkaew, I., Khajondetchairit, P., Pangon, A. and Utke, R.	Cycling Stability and Adsorption Mechanism at Room Temperature of the Upscaled Ni-Doped Hierarchical Carbon Scaffold	International Journal of Hydrogen Energy 47 (May 2022): 18412-23	May 2022	Q1	5.816	Chemistry

69	BL1.3W: SAXS	Meethong, N.	Pleuksachat, S., Krabao, P., Pongha, S., Harnchana, V., Klangtakai, P., <u>Limphirat, W.</u> , <u>Soontaranon, S.</u> , Nash, J. and Meethong, N.	Dynamic Phase Transition Behavior of a LiMn0.5Fe0.5PO4 Olivine Cathode Material for Lithium-Ion Batteries Revealed through In-Situ X-ray Techniques	Journal of Energy Chemistry 71 (Aug 2022): 452-459	Apr 2022	Q1	9.676	Materials Science and Engineering
70	BL1.3W: SAXS	Picha, R.	Rattanawongwiboon, T., <u>Soontaranon, S.</u> , Hemvichian, K., Lertsarawat, P., Laksee, S. and Picha, R.	Study on Particle Size and Size Distribution of Gold Nanoparticles by TEM and SAXS	Radiation Physics and Chemistry 191 (Feb 2022): 109842	Oct 2021	Q2	2.858	Materials Science and Engineering
71	BL1.3W: SAXS	Darminto	Ristiani, D., Asih , R., Astuti, F., Baqiya, M. A., Kaewhan, C., <u>Tunmee, S.</u> , <u>Nakajima, H.</u> , <u>Soontaranon, S.</u> and Darminto	Mesostructural Study on Graphenic-Based Carbon Prepared from Coconut Shells by Heat Treatment and Liquid Exfoliation	Heliyon 8 (Mar 2022): e09032	Feb 2022	Q1	3.92	Surface, Interface and Thin Films
72	BL1.3W: SAXS	Rungswang, W.	Rungswang, R., Jarumaneeroj, C., Jirasukho, P., Juabrum, S., <u>Pakawanit, P.</u> , <u>Soontaranon, S.</u> and <u>Rugmai, S.</u>	Time-Resolved SAXS/WAXD under Tensile Deformation: Role of Segmental Ethylene–Propylene Copolymers in Impact-Resistant Polypropylene Copolymers	ACS Applied Polymer Materials 3 (2021): 6394-6406	Nov 2021	Q1	4.089	Polymers
73	BL1.3W: SAXS	Wanapu, C.	Satsum, A., <u>Busayaporn, W.</u> , Rungswang, W., <u>Soontaranon, S.</u> , <u>Thumanu, T.</u> and Wanapu, C.	Structural and Mechanical Properties of Biodegradable Poly(lactic acid) and Pectin Composites: using Bionucleating Agent to Improve Crystallization Behavior	Polymer Journal 54 (2022): 921-930	Apr 2022	Q1	4.43	Biological and Life Science
74	BL1.3W: SAXS	Hayeemasae, N.	Surya, I., Waesateh, K., Saiwari, S., Ismail, H., Othman, N. and Hayeemasae, N.	Potency of Urea-Treated Halloysite Nanotubes for the Simultaneous Boosting of Mechanical Properties and Crystallization of Epoxidized Natural Rubber Composites	Polymers 13 (2021): 3068	Sep 2021	Q1	4.329	Polymers
75	BL1.3W: SAXS	Taufiq, A.	Taufiq, A., Yuliantika, D., Sunaryono, S., Saputro, R. Hidayayt, N, Mufti, N, Susanto, H. and <u>Soontaranon, S.</u>	Hierarchical Structure and Magnetic Behavior of Zn-Doped Magnetite Aqueous Ferrofluids Prepared from Natural Sand for Antibacterial Agents	Anais da Academia Brasileira de Ciências 93 (2021): e20200774	Oct 2021	Q1	1.65	Materials Science and Engineering
76	BL1.3W: SAXS	Limmatvapirat, S.	Tubtimsri, S., Weerapol, Y., <u>Soontaranon, S.</u> , Limmatvapirat, C. and Limmatvapirat, S.	Monolaurin-Loaded Gel-Like Microemulsion for Oropharyngeal Candidiasis Treatment: Structural Characterisation and In Vitro Antifungal Property	AAPS PharmSciTech 23 (2022): 87	Mar 2022	Q2	3.246	Medical Applications
77	BL1.3W: SAXS	Lulitanond, A.	Wongthong, S., <u>Kamonsutthipaijit, N.</u> , Kaewhan, C., Chanawong, A., Tippayawat, P. and Lulitanond, A.	Preliminary Study on Small Angle X-ray Scattering Patterns of Intact Vancomycin Susceptible and Non-Susceptible Staphylococcus Aureus Cells	ScienceAsia 48 (Feb 2022): 37-42	Feb 2022	Q3	0.61	Biological and Life Science
78	BL1.3W: SAXS	Viyoch, J., Ross, G.	Yakaew, S., Luangpradikun, K., Phimnuan, P., Nuengchamngong, N., <u>Kamonsutthipaijit, N.</u> , <u>Rugmai, S.</u> , Nakyai, W., Ross, S., Ungsurongsei, M., Viyoch, J. and Ross, G.	Investigation into Poloxamer 188-Based Cubosomes as a Polymeric Carrier for Poor Water-Soluble Actives	The Journal of Applied Polymer Science 139 (Feb 2022): 51612	Sep 2021	Q1	3.125	Polymers
79	BL2.2: TRXAS	Wannapaiboon, S. and Wattanathana, W.	Deeloed, W., Hanlomyuang, Y., <u>Limphirat, W.</u> , Suramitr, S., Chansaenpak, K., Kanjanaboos, P., <u>Wannapaiboon, S.</u> and Wattanathana, W.	Oxidative Thermal Conversion of Hydrothermal Derived Precursors toward the Mixed-Metal Cobaltite Spinel Oxides (ZnCo2O4 and NiCo2O4): In-Situ Investigation by Synchrotron-Radiation XRD and XAS Techniques	Crystals 11 (2021): 1256	Oct 2021	Q2	2.589	Chemistry
80	BL2.2: TRXAS	Poo-arporn, Y., Poo-arporn, R. P.	Duangmanee, S., <u>Poo-arporn, Y.</u> , Janphuang, P., Leusoongnoen, P., Tonlublao, S., Kamonpha, P., Saengchai, N., <u>Chanlek, N.</u> , <u>Saisombat, C.</u> and <u>Kidkhunthod, P.</u>	An Operando X-ray Absorption Spectroscopy Study on Sensing Characteristics of Vertically Aligned ZnO Thin Film for Methane Gas Sensors	Nanomaterials 12 (2022): 1285	Apr 2022	Q1	5.076	Surface, Interface and Thin Films
81	BL2.2: TRXAS	Chanapatttharapol, K. C.	Krachumram, S., <u>Kidkhunthod, P.</u> , <u>Poo-arporn, Y.</u> , <u>Kamonsutthipaijit, N.</u> , Chanapatttharapol, K. C	On the Optimization of Ni/A and Ni/X Synthesis Procedure toward Active and Selective Catalysts for the Production of CH4 from CO2	Catalysts 12 (2022): 823	Jul 2022	Q2	4.501	Chemistry
82	BL2.2: TRXAS	Hinchiranan, N.	Kingputtapong, S., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> and Hinchiranan, N.	Production of Cleaner Waste Tire Pyrolysis Oil by Removal of Polycyclic Aromatic Hydrocarbons via Hydrogenation over Ni-based Catalysts	International Journal of Energy Research 46 (Sep 2022): 16082-16101	Jun 2022	Q1	5.164	Chemistry
83	BL2.2: TRXAS	Chayakul, K. C.	Makdee, A., <u>Kidkhunthod, P.</u> , <u>Poo-arporn, Y.</u> and Chayakul, K. C.	Enhanced CH4 Selectivity for CO2 Methanation Over Ni-TiO2 by Addition of Zr Promoter	Journal of Environmental Chemical Engineering 10 (Jun 2022): 107710	Apr 2022	Q1	3.909	Chemistry
84	BL2.2: TRXAS	Chareonpanich, M.	Munpollasri, S., <u>Poo-arporn, Y.</u> , Donphai, W., Sirijaraensre, J., Sangthong, W., Kiatphuengporn, S., Jantaratana, P., Witton, T. and Chareonpanich, M.	How Magnetic Field Affects Catalytic CO2 Hydrogenation over Fe-Cu/MCM-41: In Situ Active Metal Phase—Reactivity Observation During Activation and Reaction	Chemical Engineering Journal 441 (Aug 2022): 135952	Mar 2022	Q1	13.273	Chemistry
85	BL2.2: TRXAS	Nilmoung, S.	Nilmoung, S., <u>Limphirat, W.</u> and Maensiri, S.	Electrochemical Properties of ACNF/Li2FeSiO4 Composite Nanostructures for Supercapacitors	Journal of Alloys and Compounds 907 (Jun 2022): 164466	Mar 2022	Q1	5.316	Materials Science and Engineering
86	BL2.2: TRXAS	Osakoo, N., Loiha, S., Wittayakun, J.	Osakoo, N., Tawachkultanadilok, P., Loiha, S. Roessner, F., <u>Poo-arporn, Y.</u> , <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Prayoonpokarach, S. and Wittayakun, J.	Green Reduction Route via Ethanol Dehydrogenation and Decomposition for Pd-promoted Co3O4/SBA-15 Catalysts in Reverse Water Gas Shift Reaction: An Operando Time-Resolved X-Ray Absorption Spectroscopy Investigation	Applied Catalysis B: Environmental 316 (Nov 2022): 121670	Jun 2022	Q1	24.319	Chemistry
87	BL2.2: TRXAS	Samart, C.	Panpian, P., Pham, L. K. H., Kongparakul, S., Ding, M., Wang, P., Guan, G., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , Reubroycharoen, P. and Samart, C.	One-pot Upgrading of Coconut Coir Lignin over High-Efficiency Ni2P Catalysts	Journal of Environmental Chemical Engineering 9 (Dec 2021): 106702	Nov 2021	Q1	5.909	Chemistry
88	BL2.2: TRXAS	Pakapongpan, S., Pooarporn, R. P.	Pakapongpan, S., <u>Poo arporn, Y.</u> , Tuantranont, A., and Pooarporn, R. P.	A Facile One-Pot Synthesis of Magnetic Iron Oxide Nanoparticles Embed N-doped Graphene Modified Magnetic Screen Printed Electrode for Electrochemical Sensing of Chloramphenicol and Diethylstilbestrol	Talanta 241 (May 2022): 123184	Jan2022	Q1	6.057	Surface, Interface and Thin Films
89	BL2.2: TRXAS	Utke, R.	Plerdsranoy, P., <u>Poo-arporn, Y.</u> , <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , <u>Kamonsutthipaijit, N.</u> , Suthirakun, S., Fongkaew, I., Khajondetchairit, P., Pangon, A. and Utke, R.	Cycling Stability and Adsorption Mechanism at Room Temperature of the Upscaled Ni-Doped Hierarchical Carbon Scaffold	International Journal of Hydrogen Energy 47 (May 2022): 18412-23	May 2022	Q1	5.816	Chemistry
90	BL2.2: TRXAS	Donphai, W.	Phichairatanaphong, O., <u>Poo arporn, Y.</u> , Chareonpanich, M. and Donphai, W.	Effect of Calcination Temperature on Cu-Modified Ni Catalysts Supported on Mesocellular Silica for Methane Decomposition	ACS Omega 7 (2022): 14264-75	Apr 2022	Q1	3.512	Chemistry
91	BL2.2: TRXAS	Meethong, N.	Pleuksachat, S., Krabao, P., Pongha, S., Harnchana, V., Klangtakai, P., <u>Limphirat, W.</u> , <u>Soontaranon, S.</u> , Nash, J. and Meethong, N.	Dynamic Phase Transition Behavior of a LiMn0.5Fe0.5PO4 Olivine Cathode Material for Lithium-Ion Batteries Revealed through In-Situ X-ray Techniques	Journal of Energy Chemistry 71 (Aug 2022): 452-459	Apr 2022	Q1	9.676	Materials Science and Engineering
92	BL2.2: TRXAS	Pattananuwat, P. and Potiyaraj, P.	Poompiew, N., Pattananuwat, P. and Potiyaraj, P.	Controllable Morphology of Sea-Urchin-like Nickel–Cobalt Carbonate Hydroxide as a Supercapacitor Electrode with Batterylike Behavior	ACS Omega 6 (2021): 25138-50	Sep 2021	Q1	3.512	Materials Science and Engineering
93	BL2.2: TRXAS	Choojun, K., Sooknoi, T.	Prasanseang, W., Choojun, K., <u>Poo-arporn, Y.</u> , Huang, A. L., Lin, Y. C. and Sooknoi, T.	Linear Long-Chain α-Olefins from Hydrodeoxygenation of Methyl Palmitate Over Copper Phyllosilicate Catalysts	Applied Catalysis A: General 635 (Apr 2022): 118555	Feb 2022	Q1	5.706	Chemistry
94	BL2.2: TRXAS	Poo arporn, Y., Suramitr, S.	Thaweechai, T., Sirisaksoontorn, W., <u>Poo arporn, Y.</u> , <u>Chanlek, N.</u> , Seraphin, S., Thachepan, S., Poo arporn, R. P. and Suramitr, S.	Transparent Graphene Quantum Dot/Amorphous TiO2 Nanocomposite Sol as Homogeneous Like Photocatalyst	The Journal of Nanoparticle Research 23 (2021):225	Oct 2021	Q2	2.253	Surface, Interface and Thin Films
95	BL2.2: TRXAS	Chanapatttharapol, K. C.	Unwiset, P., Kidkhunthod, P., Poo-arporn, Y. and Chanapatttharapol, K. C.	One Pot Sol-Gel Synthesis of Pt–Ni/TiO2 with High CO2 Methanation Catalytic Activity at Low Temperature	Applied Catalysis A, General 641 (Jul 2022): 118670	May 2022	Q1	5.706	Chemistry
96	BL2.2: TRXAS	Soisuwan, s.	Upasen, S., Sarunchot, G., Srira-ngam, N., <u>Poo-arporn, Y.</u> , Wattanachai, P., Praserttham, P., Ngaotrakanwiwat, P., Panpranot, J. and Soisuwan, S.	What if Zeolite LTA4A and Zeolite LTA5A used as Nickel Catalyst Supports for Recycling Carbon Dioxide to Green Fuel Methane	Journal of CO2 Utilization 55 (Jan 2022): 101803	Nov 2021	Q1	7.132	Chemistry
97	BL2.2: TRXAS	Meethong, N.	Wiriyi, N., Kanaphan, Y., Hongtong, R., Kaewmala, S., Nash, J., <u>Limphirat, W.</u> , <u>Srilomsak1, S.</u> , <u>Thipphanaratchaphong, N.</u> and Meethong, N.	A Review of Current Rate-Dependent Phase Transformations of Lithium Metal Orthosilicate Cathode Materials for Li-ion Batteries	Electrochemical Science Advances	Oct 2021	n/a	n/a	Materials Science and Engineering
98	BL2.2: TRXAS	Witton, T.	Witton, T., Lapkeatseree, V., Numpilai, T., Cheng, C. K. and Limtrakul, J.	CO 2 Hydrogenation to Light Olefins Over Mixed Fe-Co-K-Al Oxides Catalysts Prepared via Precipitation and Reduction Methods	Chemical Engineering Journal 428 (Jan 2022): 131389	Jul 2021	Q1	13.273	Chemistry

99	BL2.2: TRXAS	Witoon, T.	Witoon, T., Numpilai, T., Dolsirittigul, N., <u>Chanlek, N., Poo-arporn, Y.</u> , Cheng, C. K., Ayodele, B. V., Chareonpanich, M. and Limtrakul, J.	Enhanced Activity and Stability of SO4 2-/ZrO2 by Addition of Cu Combined with CuZnOZrO2 for Direct Synthesis of Dimethyl Ether from CO2 Hydrogenation	International Journal of Hydrogen Energy	Apr 2022	Q1	5.816	Chemistry
100	BL3.2U: PES/PEEM	Kanjanaboos, P.	Amratisha, K., Tuchinda, W., Ruankham, P., Naikaew, A., Pansa Ngat, P., Srathongsian, L., Wattanathana, W., Thant, K. K. H., <u>Supruangnet, R., Nakajima, H., Sahasithiwat, S. and Kanjanaboos, P.</u>	Graded Multilayer Triple Cation Perovskites for High Speed and Detectivity Self Powered Photodetector via Scalable Spray Coating Process	Scientific Reports 12 (2022): 11058	Jun 2022	Q1	4.38	Surface, Interface and Thin Films
101	BL3.2U: PES/PEEM	Mungkung, N., Horprathum, M.	Chaikereee,T., Mungkung, N., Kasayapanand, N., <u>Nakajima, H.</u> , Lertvanithphol, T., Tantiwanichapan, K., Sathukarn, A. and Horprathum, M.	Investigation of Omnidirectional Transmittance Related to ITO Nanorods Orientation for Optical Applications	Optical Materials 129 (jul 2022): 112439	Jul 2022	Q2	3.08	Surface, Interface and Thin Films
102	BL3.2U: PES/PEEM	Faungnawakij, K.	Chakthranont, P., Nitrathorn, S., Thongratkaew, S., Khemthong, P., <u>Nakajima, H., Supruangnet, R.</u> , Butburee, T., Sano, N. and Faungnawakij, K.	Rational Design of Metal-free Doped Carbon Nanohorn Catalysts for Efficient Electrosynthesis of H2O2 from O2 Reduction	ACS Applied Energy Materials 4 (2021): 12436-12447	Nov 2021	Q1	6.024	Chemistry
103	BL3.2U: PES/PEEM	Ekanayake, P.	Don, M. F., Ekanayake, P., Jennings, J. R., <u>Nakajima, H.</u> and Lim, C. M.	Graphite/Carbon Black Counter Electrode Deposition Methods to Improve the Efficiency and Stability of Hole-Transport-Layer-Free Perovskite Solar Cells	ACS Omega 7 (2022): 22830-38	Jun 2022	Q1	3.512	Surface, Interface and Thin Films
104	BL3.2U: PES/PEEM	Chotikaprakhan, S., Horprathum, M.	Jetjamnong, C., Chotikaprakhan, S., Kowong, R., Chananonnawathorn, C., Bootchanont, A., Lertvanithphol, T., Limwichean, S., Kijamnajsuk, P., Klamchuen, A <u>Meng G. Watcharapasorn A. Nakajima H. and Horprathum M</u>	Growth and Characterization of NiWO Nanorod Films Prepared by Reactive Magnetron Co-Sputtering with Oblique Angle Deposition	Vacuum 196 (Feb 2022): 110777	Nov 2021	Q1	3.627	Surface, Interface and Thin Films
105	BL3.2U: PES/PEEM	Pojprapai, S.	Kongtunmon, M., Supadee, L., Kundhikanjana, W., Janphuang, P., Supruangnet, R., Jongpinit, W., Munthala, D. and Pojprapai, S.	Effect of Annealing Atmosphere on Hydration Behavior of MgO Thin Film in Tunneling Magnetoresistance Sensor	Ceramics International 48 (Mar 2022): 6966-70	Nov 2021	Q1	4.527	Surface, Interface and Thin Films
106	BL3.2U: PES/PEEM	Chongserecharoen, E.	Kongsri, W., Chongserecharoen, E., Chunjaemsri, T., Thangdee, P., Chatarat, W., <u>Euaruksakul, C.</u> , Yimnirun, R. and Rujirawat, S.	Structural Property Comparison of New and Used Diamond-Like Carbon/Titanium Doublelayer Films	Suranaree Journal Science Technology 28 (2021): 010115	Apr 2021	Q4	0.35	Surface, Interface and Thin Films
107	BL3.2U: PES/PEEM	Denchitcharoen, S., Horprathum, M.	Kowong, R., Denchitcharoen, S., Lertvanithphol, T., Triamnak, N., Chananonnawathorn, C., Jaruwongrungrsee, K., Klamchuen, A., Muthitamongkol, P., Phae-ngam,W., <u>Nakajima,H., Songsiriritthigul, P.</u> 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	Jul 2021	Q1	5.316	Surface, Interface and Thin Films
108	BL3.2U: PES/PEEM	Horprathum, M	Limwichean, S., <u>Nakajima, H.</u> , Lertvanithphol, T., Seawsakul, K., Chananonnawathorn, C., Botta, R., Eiamchai, P., Patthanasettakul, V., Chindaudom, P., Klamchuen, A., Nuntawong, N., Songsiriritthigul, P. and <u>Horprathum, M</u>	Self-depositing passivation layer investigations on stability improvement of the Ag NRs SERS substrate	Vacuum 196 (Feb 2022): 110734	Nov 2021	Q1	3.627	Surface, Interface and Thin Films
109	BL3.2U: PES/PEEM	Kanjanaboos, P.	Naikaew, A., Kumnorkaew, P., Wattanathana, W., Swe, K. Z., Pansa-Ngat, P., Amratisha, K., <u>Nakajima, H., Supruangnet, R.</u> , Krajangsang, T., Sinthiptharakoon, K., Sahasithiwat, S. and Kanjanaboos, P.	Investigation of Double-Layered Pb-Sn Perovskite Absorbers: Formation, Structure, Band Alignment, and Stability	The Journal of Physical Chemistry C 126 (2022): 1623-34	Jan 2022	Q1	4.126	Surface, Interface and Thin Films
110	BL3.2U: PES/PEEM	Srichana, T.	Pestovsky, P. S. and Srichana, T.	Formation of Aggregate-Free Gold Nanoparticles in the Cyclodextrin-Tetrachloroaurate System Follows Finke–Watzky Kinetics	Nanomaterials 12 (2022): 583	Feb 2022	Q1	5.076	Materials Science and Engineering
111	BL3.2U: PES/PEEM	Pimanpang, S., Klangtakai, P.	Phakkhawan, A., Horprathum, M., <u>Chanlek, N., Nakajima, H., Niipanich, S.</u> , Kumnorkaew, P., Pimanpang, S., Klangtakai, P., and Amornkitbamrung, V.	Activated Carbons Derived from Sugarcane Bagasse for High-Capacitance Electrical Double Layer Capacitors	Journal of Materials Science: Materials in Electronics 33 (2022): 663-672	Nov 2021	Q2	2.478	Surface, Interface and Thin Films
112	BL3.2U: PES/PEEM	Zhang, W., Huang, R., Zheng, W.	Qin, T., Wang, D., Zhang, X., Wang, Y., Drewett, N. E., Zhang, W., Dong, T., Li, T., Wang, Z., Deng, T., Pan, Z., Yue, N., Yang, R., Huang, K., Feng, S., Huang, R. and Zheng, W.	Unlocking the Optimal Aqueous -Bi2O3 Anode via Unifying Octahedrally Liberated Bi-Atoms and Spilled Nano-Bi Exsolution	Energy Storage Materials 36 (2021): 376–386	Jan 2021	Q1	17.789	Materials Science and Engineering
113	BL3.2U: PES/PEEM	Cervera, R. B. M.	Rabo, J.R., Takayanagi, M., Tsuchiya, T., <u>Nakajima, H.</u> , Terabe, K. and Cervera, R.B.M.	Effects of Oxygen Partial Pressure and Substrate Temperature on the Structure and Morphology of Sc and Y Co-Doped ZrO2 Solid Electrolyte Thin Films Prepared via Pulsed Laser Deposition	Materials 15 (2022): 410	Jan 2022	Q2	3.623	Surface, Interface and Thin Films
114	BL3.2U: PES/PEEM	Darminto	Ristiani, D., Asih , R., Astuti, F., Baqiya, M. A., Kaewhan, C., <u>Tunmee, S., Nakajima, H., Soontaranon, S.</u> and Darminto	Mesostructural Study on Graphenic-Based Carbon Prepared from Coconut Shells by Heat Treatment and Liquid Exfoliation	Heliyon 8 (Mar 2022): e09032	Feb 2022	Q1	3.92	Surface, Interface and Thin Films
115	BL3.2U: PES/PEEM	Taaca, K. L. M., Vasquez Jr., M. R.	Taaca, K. L. M., De Leon, M. J. D., <u>Thumanu, K., Nakajima, H., Chanlek, N.</u> , . Prieto, E. I. and Vasquez Jr., M. R.	Probing the Structural Features of a Plasma-Treated Chitosan-Acrylic Acid Hydrogel	Colloids and Surfaces A: Physicochemical and Engineering	Dec 2021	Q2	4.5	Biological and Life Science
	BL3.2U: PES/PEEM	Kanjanaboos, P.	Tuchinda, W., Amratisha, K., Naikaew, A., Pansa-Ngat, P., Srathongsian, L., Wattanathana, W., Thant, K. K. S., <u>Supruangnet, R., Nakajima, H.</u> Ruankham, P.	Planar Heterojunction Perovskite Solar Cell with Graded Energy Band Architecture via Fast-Drying Spray Deposition	Solar Energy 244 (Sep 2022): 65-74	Aug 2022	Q1	5.742	Surface, Interface and Thin Films
116	BL3.2U: PES/PEEM	Siritanon, T.	Waehayee, A., Singesen, S., Duangkamol, C., <u>Nakajima, H.</u> , Sangkhun, W., Butburee, T., Kamkaew, A., Suthirakun, S. and Siritanon, T.	Interfacial Defects Induced Z-Scheme Formation in Ag3PO4/MCo2O4 (M = Cu, and Zn) Heterostructures for Enhanced Dye Photodegradation and Benzylamine Selective Photooxidation	Journal of Photochemistry & Photobiology, A: Chemistry 430 (Sep 2022): 113956	Apr 2022	Q1	4.291	Surface, Interface and Thin Films
117	BL3.2U: PES/PEEM	Bootchanont, A.	Wattanawikkam, C., Bootchanont, A., Porjai, P., Jetjamnong, C., Kowong, R., Lertvanithphol, T., Chananonnawathorn, C., <u>Chirawatkul, P., Chanlek, N., Nakajima, N., Songsiriritthigul, P.</u> , Kiama, N., Nareejun, W., Tomkham, P., Ponchio, C., Rahong, S., Klumchuen, A. and Horprathum, M.	Phase Evolution in Annealed Ni-doped WO3 Nanorod Films Prepared via a Glancing Angle Deposition Technique for Enhanced Photoelectrochemical Performance	Applied Surface Science 584 (May 2022): 152581	Jan 2022	Q1	6.707	Surface, Interface and Thin Films
118	BL3.2U: PES/PEEM	Wongpanya, P.	Wongpanya, P., Siritapetawee, J., Wongpinij, T. and <u>Photongkam, P.</u>	Effect of Antiplatelet Drugs on Corrosion of 316L Stainless Steel for Application to Biomaterials	Materials Chemistry and Physics 278 (Feb 2022): 125596	Dec 2021	Q2	4.094	Materials Science and Engineering
119	BL3.2U: PES/PEEM	Wongpanya, P.	Wongpanya, P., Pintitratatibodee, N., <u>Thumanu, K. and Euaruksakul, C.</u>	Improvement of Corrosion Resistance and Biocompatibility of 316L Stainless Steel for joint Replacement Application by Ti-doped and Ti-interlayered DLC Films	Surface & Coatings Technology 425 (Nov 2021): 127734	Sep 2021	Q1	4.158	Surface, Interface and Thin Films
120	BL3.2U: PES/PEEM	Wongpanya, P.	Wongpanya, P., Silawong, P. and <u>Photongkam, P.</u>	Adhesion and Corrosion of Al–N Doped Diamond-Like Carbon Films Synthesized by Filtered Cathodic Vacuum Arc Deposition	Ceramics International 48 (Jul 2022): 20743-59	Apr 2022	Q1	4.527	Surface, Interface and Thin Films
121	BL4.1: IR	Keawsompong, S.	Ayimbila, F., <u>Siriwong, S.</u> , Nakphaichit, M. and Keawsompong, S.	In Vitro Gastrointestinal Digestion of Lentinus Squarrosulus Powder and Impact on Human Fecal Microbiota	Scientific Reports 12 (2022): 2655	Feb 2022	Q1	4.379	Biological and Life Science
122	BL4.1: IR	Chanput, W. P.	Chaowattanakul, T., Khieu, V. M., <u>Rojviriya, C., Siriwong, S.</u> , Jittanit, W. and Chanput, W. P.	Energy Consumption, Physical Properties, Protein Structure and Digestibility of Edible Insects Dried using Three Methods	Journal of Insects as Food and Feed 8 (May 2022): 525-535	Nov 2021	Q2	3.484	Food and Agriculture Science
123	BL4.1: IR	Jatupornpongchai, A.	Jatupornpongchai, A., Phoopat, N., <u>Limpirat, W.</u> and Ningsanond, S.	Biosorbtion, Localization and Bioavailability of Zinc in Spirulina Platensis Culture	Food Research 6 (Aug 2022) : 228 - 235	Jul 2022	Q3	1	Food and Agriculture Science
124	BL4.1: IR	Junyusen, T.	Junyusen, T., Chatchavanthatri, N., Liplap, P., Junyusen, P., Phan, V.M. and <u>Nawong, S.</u>	Effects of Extraction Processes on the Oxidative Stability, Bioactive Phytochemicals, and Antioxidant Activity of Crude Rice Bran Oil	Foods 11 (2022): 1143	Apr 2022	Q1	4.35	Food and Agriculture Science
125	BL4.1: IR	Yongsawatdigul, J.	Katemala, S., Molee, A., <u>Thumanu, K.</u> and Yongsawatdigul, J.	A Comparative Study of Meat Quality and Vibrational Spectroscopic Properties of Different Chicken Breeds	Poultry Science (2022)	Mar 2022	Q1	3.352	Food and Agriculture Science

126	BL4.1: IR	Limsitthichaikoon, S.	Limsitthichaikoon, S., Soontaranon, S. , Hanpramukkun, N., Thumanu, K. and Priprem, A.	Polymeric Micelles Enhance Mucosal Contact Time and Deposition of Fluocinolone Acetonide	Polymers 14 (2022): 2247	May 2022	Q1	4.329	Polymers
127	BL4.1: IR	Luanpitpong, S., Kheolamai, P.	Luanpitpong, S., Kang, X., Janan, M., Thumanu, K. , Li, J., Kheolamai, P. and Issaragrisil, S.	Metabolic Sensor O-GlcNAcylation Regulates Erythroid Differentiation and Globin Production via BCL11A	Stem Cell Research & Therapy 13 (2022) : 274	Jun 2022	Q1	6.832	Biological and Life Science
128	BL4.1: IR	Molee, W.	Molee, W., Khosinklang, W., Tongduang, P., Thumanu, K. , Yongsawatdigul, J., Molee, A.	Biomolecules, Fatty Acids, Meat Quality, and Growth Performance of Slow-Growing Chickens in an Organic Raising System	Animals 12 (2022): 570	Feb 2022	Q1	2.752	Food and Agriculture Science
129	BL4.1: IR	Khempaka, S.	Ok Rathok, S., Thumanu, K., Pukkung, C., Molee, W. and Khempaka, S.	Extraction of Dietary Fibers from Cassava Pulp and Cassava Distiller's Dried Grains and Assessment of their Components using Fourier Transform Infrared Spectroscopy to Determine on their Further use as a Functional Feed in Animal Diets	Animal Bioscience 35 (Jul 2022): 1048-58	Jan 2022	Q1	2.509	Food and Agriculture Science
130	BL4.1: IR	Paemanee, A., Choowongkamon, K.	Paemanee, A., Rattanabunyong, S., Ketngamkum, Y., Siriwaseree, J., Pongpamorn, P., Romyanon, K., Tangphatsornruang, S., Kuaprasert, B. and Choowongkamon, K.	Mass Spectrometry and Synchrotron-FTIR Microspectroscopy Reveal the Anti-Inflammatory Activity of Bua Bok Extracts	Phytochemical Analysis	Jun 2022	Q1	3.373	Food and Agriculture Science
131	BL4.1: IR	Vittayakorn, N.	Pakawanit, P., Pharino, U., Charoonsuk, T., Sriphan, S., Pongampai, S. and Vittayakorn, N.	Simple Fabrication of Porous 3D Substrate Polydimethylsiloxane (PDMS) Compositd with Polyvinylidene Fluoride-co-Hexafluoropropylene (PVDF-HFP) for Triboelectric Nanogenerator	Integrated Ferroelectrics		Q3	0.836	Polymers
132	BL4.1: IR	Phansak, P.	Phansak, P., Siriwong, S. , Kanawapee, N., Gunnula, W., Thumanu, K. and Buensanteai, N.	Drought Response of Rice in Northeastern Thailand Assessed via Fourier Transform Infrared Spectroscopy	Acta Agrobotanica 74 (2021)	Dec 2021	Q2	1.219	Food and Agricultural Science
133	BL4.1: IR	Phansak, P.	Phansak, P., Siriwong, S. , Sangpueak, R., Kanawapee, N., Thumanu, K. and Buensanteai, N.	Screening Rice Blast-Resistant Cultivars via Synchrotron Fourier Transform Infrared (SR-FTIR) Microspectroscopy	Emirates Journal of Food and Agriculture 33 (2021): 726-741	Sep 2021	Q3	1.4	Food and Agricultural Science
134	BL4.1: IR	Molee, A.	Poompramun, C., Mignon-Grasteau, S., Juanchich, A., Hennequet-Antier, C., Thumanu, K. , Le Bihan-Duval, E. and Molee, A.	Phenotypic Correlations between Feed Efficiency, Growth, and Meat Quality of Slow-Growing Chickens	British Poultry Science	Jun 2022	Q2	2.095	Food and Agricultural Science
135	BL4.1: IR	Molee, A.	Poompramun, C., Hennequet-Antier, C., Thumanu, K. , Sinpru, P., Pengsanthia, S., Molee, W., Molee, A., Le Bihan-Duval, E. and Juanchich, A.	Revealing Pathways Associated with Feed Efficiency and Meat Quality Traits in Slow-Growing Chickens	Animals 11 (2021): 2977	Oct 2021	Q1	2.752	Food and Agricultural Science
136	BL4.1: IR	Kamel, G.	Refaat, A. and Kamel, G.	Synchrotron Radiation Infrared Microspectroscopy: Insights on Biomedicine	Applied Spectroscopy Reviews	Mar 2022	Q1	5.917	Medical Applications
137	BL4.1: IR	Nantapong, N.	Rosyidah, A., Weeranantanapan, O., Chudapongse, N., Limphirat, W. and Nantapong, N.	Streptomyces Chiangmaiensis SSUT88A Mediated Green Synthesis of Silver Nanoparticles: Characterization and Evaluation of Antibacterial Action Against Clinical Drug-Resistant Strains	RSC Advance 12 (2022): 4336-4345	Feb 2022	Q1	3.361	Biological and Life Science
138	BL4.1: IR	Buensanteai, N.	Saengchan, C., Phansak, P., Thumanu, K. , Siriwong, S. , Thanh, T. L., Sangpueak, R., Thepbandit, W., Papathoti, N. K. and Buensanteai, N.	Resistance Induction by Salicylic Acid Formulation in Cassava Plant against Fusarium solani	The Plant Pathology Journal 38 (2022): 212-219	Apr 2022	Q1	1.729	Food and Agricultural Science
139	BL4.1: IR	Wanapu, C.	Satsum, A., Busayaporn, W. , Rungswang, W., Soontaranon, S. , Thumanu, T. and Wanapu, C.	Structural and Mechanical Properties of Biodegradable Poly(lactic acid) and Pectin Composites: using Bionucleating Agent to Improve crystallization behavior	Polymer Journal 54 (2022): 921-930	Apr 2022	Q1	4.43	Biological and Life Science
140	BL4.1: IR	Choowongkamon, K.	Siriwaseree, J., Sanachai, K., Aiebchun, T., Tabtimmai, L. Kuaprasert, B. and Choowongkamon, K.	Synchrotron Fourier Transform Infrared Microscopy Spectra in Cellular Effects of Janus Kinase Inhibitors on Myelofibrosis Cancer Cells	ACS Omega 7 (2022): 22797-22803	Jun 2022	Q1	3.512	Medical Applications
141	BL4.1: IR	Molee, A.	Suwanvichanee, C., Sinpru, P., Promkhun, K., Kubota, S., Riou, C., Molee, W., Yongsawatdigul, J., Thumanu, K. and Molee, A.	Effects of β -alanine and L-histidine Supplementation on Carnosine Contents in and Quality and Secondary Structure of Proteins in Slow-Growing Korat Chicken Meat	Poultry Science 101 (May 2022): 101776	Feb 2022	Q1	3.352	Food and Agricultural Science
142	BL4.1: IR	Taaca, K. L. M., Vasquez Jr., M. R.	Taaca, K. L. M., De Leon, M. J. D., Thumanu, K. , Nakaijima, H. , Chanlek, N. , . Prieto, E. I. and Vasquez Jr., M. R.	Probing the Structural Features of a Plasma-Treated Chitosan-Acrylic Acid Hydrogel	Colloids and Surfaces A: Physicochemical and Engineering Aspects 637 (Mar 2022): 128233	Dec 2021	Q2	4.5	Biological and Life Science
143	BL4.1: IR	Benchawattananon, R.	Tharapoompipata, N., Testhanom, T., Poonsawat, C., Siriwong, S. and Benchawattananon, R.	Development of Natural Luminescent Powder for the Detection of Latent Fingerprint	Pakistan Journal of Biological Science 24 (2021): 978-983	Sep 2021	Q3	1.039	Materials Science and Engineering
144	BL4.1: IR	Bonto, A., Thumanu, K.	Tiozon Jr., R. N., Bonto, A., Padua, J. A. H., Elbo, E. G. A., Sampang, J. R., Kamkajon, K., Camacho, D. H. and Thumanu, K.	Investigating the Effect of Ultrasonication on the Molecular Structure of Potato Starch Using Synchrotronbased Infrared Spectroscopy	Biointerface Research in Applied Chemistry 12 (2022): 6686-6698	Nov 2021	Q4	1.95	Food and Agriculture Science
145	BL4.1: IR	Wongpanya, P.	Wongpanya, P., Pintitratibodee, N., Thumanu, K. and Euaruksakul, C.	Improvement of Corrosion Resistance and Biocompatibility of 316L Stainless Steel for joint Replacement Application by Ti-doped and Ti-interlayered DLC Films	Surface & Coatings Technology 425 (Nov 2021): 127734	Sep 2021	Q1	4.158	Surface, Interface and Thin Films
146	BL5.2: XAS	Kirdsiri, K., Kaewkhao, J.	Damdee, B., Kirdsiri, K., Kim, H. J., Yamanoi, K., Wongdamnern, N., Kidkhunthod, P. , Rajaramakrishna, R. and Kaewkhao, J.	Physical and Photoluminescence Investigation of Eu3+ Doped Gadolinium Borate Scintillating Glass	Radiation Physics and Chemistry	Jul 2022	Q2	2.858	Materials Science and Engineering
147	BL5.2: XAS	Zheng, Y., Tang, Y.	Ji, B., Gou, J., Zheng, Y., Zhou, X., Kidkhunthod, P. , Wang, Y., Tang, Q. and Tang, Y.	Metalloid-Cluster Ligands Enabling Stable and Active FeN4-Ten Motifs for Oxygen Reduction Reaction	Advances Materials 34 (Jul 2022): 2202714	May 2022	Q1	30.849	Chemistry
	BL5.2: XAS	Jaiban, P.	Jaiban, P., Wannasut, P. and Watcharapasorn, A.	The Effects of Ba0.85Ca0.15Zr0.1Ti0.9O3 Addition on the Phase, Microstructure, and Thermoelectric Properties of Ca3Co4O9 Ceramics	Journal of Asian Ceramic Societies 10 (2022): 314-321	Mar 2022	Q2	3.125	Materials Science and Engineering
148	BL5.2: XAS	Watcharenwong, A.	Kaeokan, A., Chanlek, N. and Watcharenwong, A.	Spectroscopic Studies of the Iron Nanoparticles (Fe-NPs) Derived from Eucalyptus Leaves Extract and Ultrasonic Wave Assisted Method	Suranaree Journal Science Technology 28 (2021): 010064	Aug 2020	Q4	0.35	Food and Agricultural Science
149	BL5.2: XAS	Kaewjaeng, S., Kaewkhao, J.	Kaewjaeng, S., Boonpa, W., Kothan, S., Kim, H.J., Jumpee, C., Rajaramakrishna, R., Tungjai, M. and Kaewkhao, J.	X-ray Radiation Shielding of CeO2 Doped Borosilicate Glasses and their Luminescence Characteristic	Radiation Physics and Chemistry 191 (Feb 2022): 109825	Oct 2021	Q2	2.858	Materials Science and Engineering
150	BL5.2: XAS	Kaewkhao, J.	Kaewnuam, E., Wantana, N., Ruangtawee, Y., Cadatal Raduban, M., Yamano, K., Kim, H. J., Kidkhunthod, P. and Kaewkhao, J.	The Influence of CeF3 on Radiation Hardness and Luminescence Properties of Gd2O3–B2O3 Glass Scintillator	Scientific Reports 12 (2022): 11059	Jun 2022	Q1	4.38	Materials Science and Engineering
151	BL5.2: XAS	Kalawa, O.	Kalawa, O., Sichumsaeng, T., Kidkhunthod, P. , Chanlek, N. and Maensiri, S.	Ni-doped MnCo2O4 Nanoparticles as Electrode Material for Supercapacitors	Journal of Materials Science: Materials in Electronics 33 (2022): 4869-4886	Jan 2022	Q2	2.478	Materials Science and Engineering
152	BL5.2: XAS	Sakdanuphab, R.	Khwasungnoen, P., Daichakomphu, N., Sukwisute , P., Limsuwan , P., Somdock , N., Harnwunggmoung , A., Sakdanuphab, R. and Sakulkalavek, A.	Simultaneous Seebeck Coefficient and Electrical Conductivity Enhancement of GeSbTe Films via Sn Addition	Ceramics International 48 (Jun 2022): 17637-43	Mar 2022	Q1	4.527	Surface, Interface and Thin Films
153	BL5.2: XAS	Prasatkhetragarn, A.	Klinbumrung, A., Kidkhunthod, P. , Jantaratan, P., Yimnirun, R. and Prasatkhetragarn, A.	Crystal Structure and Magnetoelectric Properties of CrFeO3-doped BaZr0.1Ti0.9O3 Multiferroic Ceramics	Radiation Physics and Chemistry 199 (Oct 2022): 110344	Jun 2022	Q2	2.858	Materials Science and Engineering
154	BL5.2: XAS	Chanapatttharapol, K. C.	Krachuamram, S., Kidkhunthod, P. , Poo-arporn, Y., Kamonsutthipajit, N., Chanapatttharapol, K. C	On the Optimization of Ni/A and Ni/X Synthesis Procedure toward Active and Selective Catalysts for the Production of CH4 from CO2	Catalysts 12 (2022): 823	Jul 2022	Q2	4.501	Chemistry

155	BL5.2: XAS	Itthibenchapong, V. and Sirisaksoontorn, W.	Krobkrong, N., Wangvisavawit, V., <u>Chanlek, N., Kidkhunthod, P.</u> , Itthibenchapong, V. and Sirisaksoontorn, W.	Bifunctional MoS2/TiO2 Nanoparticles for Hydrodeoxygenation of Oleic Acid and Photodegradation of Carbonaceous Deposits	ACS Applied Nano Materials 5 (2022): 3632-3642	Mar 2022	Q1	5.097	Chemistry
156	BL5.2: XAS	Puntharod, R.	Kumchompoo, J., Laorodphan, N., <u>Kidkhunthod, P.</u> , Kunthadee, P. and Puntharod, R.	Synthesis of Lithium Silicon Vanadium Oxide by Solid-State Reaction with Microwave-Assisted Method and Electrochemical Characterization	Integrated Ferroelectrics	May 2022	Q3	0.836	Materials Science and Engineering
157	BL5.2: XAS	Khemthong, P., Faungnawakij, K.	Khunphonoi, R., Khemthong, P., Luadthong, C., Kuboon, S., Kongmark, C., Viriyaempikul, N., <u>Kidkhunthod, P.</u> , Pinitsoontorn, S. and Faungnawakij, K.	Correlating the Effect of Preparation Methods on the Structural and Magnetic Properties, and Reducibility of CuFe2O4 Catalysts	RSC Advances 12 (2022): 15526-15533	May 2022	Q1	3.361	Chemistry
158	BL5.2: XAS	Suasromo, S.	Latief, F., Absa, M., Andansari, M., Baqiya, M. A., Kidkhunthod, P. and Suasromo, S.	Structure and Local Structure Investigation of (0.85-x)BaTiO3-0.15BiFeO3-xKVO3 System Linked to Electrical Properties	Materials Chemistry and Physics 276 (Jan 2022): 125414	Nov 2021	Q2	4.094	Surface, Interface and Thin Films
159	BL5.2: XAS	Padchasri, J., Songsiriritthigul, P., Kidkhunthod, P.	Iomon, J., <u>Padchasri, J.</u> , Montreeuppathum., A., Siriroj, S., <u>Poo-arporn, Y.</u> , Pinitsoontorn, S., Songsiriritthigul, P., <u>Rujirawat, S. and Kidkhunthod, P.</u>	Effect of Ni Content in Lithium Nickel Borate Glasses: Structure and Electrochemical Studies	Journal of Alloys and Compounds 911 (Aug 2022): 164994	Apr 2022	Q1	5.316	Materials Science and Engineering
160	BL5.2: XAS	Chayakul, K. C.	Makdee, A., <u>Kidkhunthod, P.</u> , <u>Poo-arporn, Y.</u> and Chayakul, K. C.	Enhanced CH4 Selectivity for CO2 Methanation Over Ni-TiO2 by Addition of Zr Promoter	Journal of Environmental Chemical Engineering 10 (Jun 2022): 107710	Apr 2022	Q1	3.909	Chemistry
161	BL5.2: XAS	Choojun, K., Sooknoi, T.	Makmeesub, N., Ritvirulh, C., K., Choojun, Sattayaporn, S., Resasco, D. E. and Sookno, T.	Highly Stable Pd2+ Species Anchoring on Ethylenediamine-Grafted-MIL101(Cr) as a Robust oOxidation Catalyst	Catalysis Science & Technology 12 (2022): 1824-1836	Feb 2022	Q1	6.119	Chemistry
162	BL5.2: XAS	Sujaridworakun, P.	Narkbuakaew, T., <u>Sattayaporn, S.</u> , Saito, N. and Sujaridworakun, P.	Investigation of the Ag Species and Synergy of Ag-TiO2 and g-C3N4 for the Enhancement of Photocatalytic Activity under UV-Visible Light Irradiation	Applied Surface Science 573 (Jan 2022): 151617	Oct 2021	Q1	6.707	Chemistry
163	BL5.2: XAS	Osakoo, N., Loiha, S., Wittayakun, J.	Osakoo, N., Tawachkultanadilok, P., Loiha, S. Roessner, F., <u>Poo-arporn, Y.</u> , <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Prayoonpokarach, S. and Wittayakun, J.	Green Reduction Route via Ethanol Dehydrogenation and Decomposition for Pd-promoted Co3O4/SBA-15 Catalysts in Reverse Water Gas Shift Reaction: An Operando Time-Resolved X-Ray Absorption Spectroscopy Investigation	Applied Catalysis B: Environmental 316 (Nov 2022): 121670	Jun 2022	Q1	24.319	Chemistry
164	BL5.2: XAS	Manyum, P.	Padchasri, J., Tipakontitkul, R., Niyompan, A., Sattayaporn, S., Chanlek, N., Kidkhunthod, P., Rujirawat, S., Yimnirun, R. and Manyum, P.	Achieving Bright Reddish-Orange Luminescence in CaSnO3 Ceramics through Doping Manipulation	Integrated Ferroelectrics 222 (2022): 218-223	Dec 2021	Q3	0.836	Materials Science and Engineering
165	BL5.2: XAS	Padchasri, J., Manyum, P.	Padchasri, J., Tipakontitkul, R., Niyompan, A., Chanlek, N., Kidkhunthod, P., Sattayaporn, S., Rujirawat, S., Yimnirun, R. and Manyum, P.	Correlation of X-Ray Diffraction, X-Ray Absorption Spectroscopy and Optical Properties of Europium Activated Spaniel Calcium Stannate	Integrated Ferroelectrics 225 (2022): 12-19	May 2022	Q3	0.836	Materials Science and Engineering
166	BL5.2: XAS	Intasanta, V.	Panith, P., Butnoi, P. and Intasanta, V.	The Hybrid Structure of Nanoflower-Like CoMnNiZnO4 Nanoparticles Embedded Biomass/Lignin Carbon Nanofibers as Free-Standing and Binder-Free Electrodes for High Performance Supercapacitors	Journal of Alloys and Compounds 918 (Oct 2022): 165659	Jun 2022	Q1	5.316	Materials Science and Engineering
167	BL5.2: XAS	Siritanon, T.	Phonsuksawang, P., Waehayee, A., Jiamprasertboon, A., Nijpanich, S. and Siritanon, T.	Facile and Rapid Exfoliation of HTiNbO5 Nanosheets for Photocatalytic Applications	Materials Letters 323 (Sep 2022): 132492	May 2022	Q2	3.423	Materials Science and Engineering
168	BL5.2: XAS	Utke, R.	Plerdsranoy, P., <u>Poo-arporn, Y.</u> , <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , <u>Kamonsutthipajit, N.</u> , Suthirakun, S., Fongkaew, I., Khajondetchairit, P., Pangon, A. and Utke, R.	Cycling Stability and Adsorption Mechanism at Room Temperature of the Upscaled Ni-Doped Hierarchical Carbon Scaffold	International Journal of Hydrogen Energy 47 (May 2022): 18412-23	May 2022	Q1	5.816	Chemistry
169	BL5.2: XAS	Eksangsri, T., Sapcharoenkun, C.	Phromma, S., Wutikhun, T., Kasamechonchung, P., <u>Sattayaporn, S.</u> , Eksangsri, T. and Sapcharoenkun, C.	Effects of Ag Modified TiO2 on Local Structure Investigated by XAFS and Photocatalytic Activity under Visible Light	Materials Research Bulletin 148 (Apr 2022): 111668	Dec 2021	Q1	4.641	Materials Science and Engineering
170	BL5.2: XAS	Sooknoi, T.	Prakobtham, K., Choojun, K., Promchana, P., <u>Sattayaporn, S.</u> and Sooknoi, T.	Role of Surface Silanols and Confinements of Siliceous MFI Supports on Stability of Active Ga Species for Ethane Dehydrogenation	Applied Catalysis A: General 638 (May 2022): 118625	Apr 2022	Q1	5.706	Chemistry
171	BL5.2: XAS	Rajagukguk, J.	Rajagukguk, J., Panggabean, J. H., Djamal, M., Sarumaha, C. S. and Kaewkhao, J.	Energy Transfer and Broad-Band Luminescence of Nd3+-Er3+ co-Doped Lithium Fluorophosphate (LFP) Glasses	Optical Materials 125 (Mar 2022): 112007	Feb 2022	Q2	3.08	Materials Science and Engineering
172	BL5.2: XAS	Prasatkhetragarn, A., Kothan, S. and Kaewkhao, J.	Rittisit, W., Wantana, N., Ruangtaweep, Y., Mool-am-kha, P., Padchasri, J., <u>Rujirawat, S.</u> , Manyum, P., Yimnirun, R., <u>Kidkhunthod, P.</u> , Prasatkhetragarn, A., Kothan, S., Kim, H. J. and Kaewkhao, J.	Bright white Light Emission from (Gd3+ /Dy3+) Dual Doped Transparent Lithium Aluminum Borate Glasses for W- LED Application	Optical Materials 122 (Dec 2021): 111705	Oct 2021	Q1	3.08	Materials Science and Engineering
173	BL5.2: XAS	Wattanakit, C.	Rodaum, C., Thivasasith, A., Iadrat, P., <u>Kidkhunthod, P.</u> , Pengpanich, S. and Wattanakit, C.	Ge-Substituted Hierarchical Ferrierite for n-pentane Cracking to Light Olefins: Mechanistic Investigations via In-situ DRIFTS Studies and DFT Calculations	ChemCatChem 14 (Feb 2022): e202101045	Nov 2021	Q1	5.686	Materials Science and Engineering
174	BL5.2: XAS	Wattanakit, C.	Rodaum, C., Chaipornchalerm, P., Nunthakitgison, W., Thivasasith, A., Maihom, T., Atitthep, T., <u>Kidkhunthod, P.</u> , Uthayopas, C., Nutanong, S., Thongratkaew, S., Faungnawakij, K. and Wattanakit, C.	Highly Efficient Propane Dehydrogenation Promoted by Reverse Water–Gas Shift Reaction on Pt-Zn Alloy Surfaces	Fuel 325 (Oct 2022): 124833	Jun 2022	Q1	6.609	Materials Science and Engineering
175	BL5.2: XAS	Nantapong, N.	Rosyidah, A., Weeranantanapan, O., Chudapongse, N., <u>Limphirat, W.</u> and Nantapong, N.	Streptomyces Chiangmaiensis SSUT88A Mediated Green Synthesis of Silver Nanoparticles: Characterization and Evaluation of Antibacterial Action Against Clinical Drug-Resistant Strains	RSC Advance 12 (2022): 4336-4345	Feb 2022	Q1	3.361	Biological and Life Science
176	BL5.2: XAS	Sonsupap, S.	Sangkhaoyon, P., Sonsupap, S., Pinitsoontorn, S. and Maensiri, S.	Synthesis, Characterization, and Magnetic Properties of Metal-Doped CeO2 Nanostructure Prepared by Egg-White Solution Method	Journal of Electronic Materials 51 (2022): 2369-2380	Mar 2022	Q2	1.938	Materials Science and Engineering
177	BL5.2: XAS	Maensiri, S.	Sichumsaeng, T., Phromviyo, N., Pinitsoontorn, S., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> and Maensiri, S.	Synthesis, Characterization and Magnetic Properties of KFeO2 Nanoparticles Prepared by a Simple Egg white Solution Route	International Journal of Minerals, Metallurgy and Materials 29 (Jan 2022): 128-135	Jan 2022	Q2	2.232	Materials Science and Engineering
178	BL5.2: XAS	Sonsupap, S.	Sonsupap, S., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , Sinprachim, T. Maensiri, S.	Synthesis and Electrochemical Properties of Electrospun Cerium Oxide (CeO2) Nanoparticles/Carbon Nanofibers	Journal of Electronic Materials 51 (2022): 2933-48	Apr 2022	Q2	1.938	Materials Science and Engineering
179	BL5.2: XAS	Sudrajat, H.	Sudrajat, H., Hartuti, S. and Babel, S.	Mechanistic Understanding of the Increased Photoactivity of TiO2 Nanosheets Upon Tantalum Doping	Physical Chemistry Chemical Physics 24 (2022): 995-1006	Dec 2021	Q1	3.676	Chemistry
180	BL5.2: XAS	Sudrajat, H., Nguyen, T. K.	Sudrajat, H., Babel, S., Hartuti, S., Phanhuwongpakdee, J., Laohasurayotin, K., Nguyen, T. K. and Tong, H. D.	Origin of the Overall Water Splitting Activity Over Rh/Cr2O3@ Anatase TiO2 Following UV-Pretreatment	International Journal of Hydrogen Energy 46 (2021): 31228-31238	Aug 2021	Q1	5.816	Chemistry
181	BL5.2: XAS	Saenrang, W.	Tanapongpisit, N., Wongprasod, S., Laohana, P., Kim, S., Butburee, T., Meevasana, W., Maensiri, S., Bark, C. W. and Saenrang, W.	Effects of the Particle Size of BaMnO3 Powders on the Electrochemical Performance of Supercapacitor Electrodes	Materials Letters 319 (Jul 2022): 132258	Apr 2022	Q1	3.423	Materials Science and Engineering
182	BL5.2: XAS	Thangdee, P.	Thangdee, P., Chongserecharoen, E., Chunjaemsri, T., Ekwongsa, C., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Wongdamnern, N., Manyum, P., <u>Rujirawat, S.</u> and Yimnirun, R.	Local Structure and Structural Properties of Vanadium Oxide Thin Films Prepared by Radio-Frequency Reactive Magnetron Sputtering at Various Oxygen Flow Rate	Ferroelectrics 586 (2022): 213-224	Feb 2022	Q4	0.62	Surface, Interface and Thin Films
183	BL5.2: XAS	Rattanachan, S. T.	Thongsri, O., Srisuwan, S., Thaitalay, P., Dangwiriyaikul, R., Aengchuan, P., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> , Talabnin, C., Suksaweang, S., and Rattanachan, S. T.	Structural Evaluation of ZnO Substitution for CaO in Glass Ionomer Cement Synthesized by Sol-Gel Method and Their Properties	Journal of Materials Science 57 (2022): 633-650	Jan 2022	Q1	4.22	Materials Science and Engineering

184	BL5.2: XAS	Chanapatttharapol, K. C.	Unwiset, P., Kidkhunthod, P., Poo-arporn, Y. and Chanapatttharapol, K. C.	One Pot Sol-Gel Synthesis of Pt–Ni/TiO2 with High CO2 Methanation Catalytic Activity at Low Temperature	Applied Catalysis A, General 641 (Jul 2022): 118670	May 2022	Q1	5.706	Chemistry
185	BL5.2: XAS	Geantet, C., Khemthong, P.	Wanmolee, W., Sosa, N., Junkaew, A., Youngjan, S., Geantet, C., Afanasiev, P., Puzenat, E., Laurenti, D., Faungnawakij, K. and Khemthong, P.	Phase Speciation and Surface Analysis of Copper Phosphate on High Surface Area Silica Support by in Situ XAS/XRD and DFT: Assessment for Guaiacol Hydrodeoxygenation	Applied Surface Science 574 (Feb 2022): 151577	Oct 2021	Q1	6.707	Surface, Interface and Thin Films
186	BL5.2: XAS	Wantala, K., de Luna, M. D. G.	Wantala, K., See Go, F. C. L., Garcia, V. C. C., Chirawatkul, P., Chanlek, N., Kidkhunthod, P., Abarca, R. R. M. and de Luna, M. D. G.	Low Thermal Oxidation of Gaseous Toluene over Cu/Ce Single-Doped and Co-Doped OMS-2 on Different Synthetic Routes	Chemical Engineering Communications	Mar 2022	Q2	2.494	Chemistry
187	BL5.2: XAS	Witoon, T.	Witoon, T., Numpilai, T., Nijpanich, S., Chanlek, N., Kidkhunthod, P., Cheng, C. K., Hoong Ng, K., Vo, D.N., Ittisanronnachai, S., Wattanakit, C., Chareonpanich, M.	Enhanced CO2 Hydrogenation to Higher Alcohols over K-Co Promoted In2O3 Catalysts	Chemical Engineering Journal 431 (Mar 2022): 133211	Nov 2021	Q1	13.273	Chemistry
188	BL5.2: XAS	Wongsaprom, K.	Wongsaprom, K., Winyayong, A., Pinitsoontorn, S., Kidkhunthod, P., Sonsupap, S. and Maensiri, S.	Structural and Magnetic Properties of Cr-doped SnO2 Nanocrystalline Powders Based Dilute Magnetic Oxides	Journal of Magnetism 26 (2021): 256-264	Sep 2021	Q3	0.514	Materials Science and Engineering
189	BL5.3: XPS	Zainal, N.	Alias, E. A., Ibrahim, N., DenBaars, S. P., Chanlek, N., Taib, N. I. Md. And Zainal, N.	Improving Backside (N-face) GaN Substrate Roughening by Pre-Annealing for GaN-on-GaN LED	Optical Materials 121 (2021): 111570	Sep 2021	Q1	3.08	Surface, Interface and Thin Films
190	BL5.3: XPS	Nualpralaksana, S., Kaewkhao, J.	Angnanon, A., Nualpralaksana, S., Damdee, B., Rajaramakrishna, R., Chanlek, N., Horprathum, M., Kothan, S., Kaewkhao, J.	Solid-State Synthesis, Characterizations and Luminescent Properties of EuBO3 Phosphors with Various Gd3+ Concentrations for X-Ray Screen Material Application	Radiation Physics and Chemistry 201 (Nov 2022): 110406	Jul 2022	Q2	2.858	Materials Science and Engineering
191	BL5.3: XPS	Pattarith, K.	Areerob, Y., Hamontree, C., Sricharoen, P., Limchoowong, N., Nijpanich, S., Nachaithong, T., Oh, W. C. and Pattarith, K.	Synthesis of Novel MoWO4 with ZnO Nanoflowers on Multi-Walled Carbon Nanotubes for Counter Electrode Application in Dye-Sensitized Solar Cells	Scientific Reports 12 (2022): 12490	Jul 2022	Q1	4.379	Materials Science and Engineering
192	BL5.3: XPS	Srepusharawoot, P.	Boonlakhorn, J., Suksangrat, P., Chanlek, N., Sarakorn, W., Kongsuk, S., Thongbai, P. and Srepusharawoot, P.	Dielectric Properties with High Dielectric Permittivity and Low Loss Tangent and Nonlinear Electrical Response of Sol-Gel Synthesized Na1/2Sm1/2Cu3Ti4O12 Perovskite Ceramic	Journal of the European Ceramic Society 42 (oct 2022); 5659-68	Jun 2022	Q1	5.302	Materials Science and Engineering
193	BL5.3: XPS	Thongbai, P.	Boonlakhorn, J., Chanlek, N., Kongsuk, S., Thongbai, P. and Srepusharawoot, P.	Giant Dielectric Properties of Mg Doped CaCu3Ti4O12 Fabricated using a Chemical Combustion Method: Theoretical and Experimental Approaches	Materials Research Bulletin 150 (Jun 2022): 111749	Feb 2022	Q1	4.614	Materials Science and Engineering
194	BL5.3: XPS	Thongbai, P.	Boonlakhorn, J., Chanlek, N., Manyam, J., Srepusharawoot, P. and Thongbai, P.	Simultaneous Two-Step Enhanced Permittivity and Reduced Loss Tangent in Mg/Ge-Doped CaCu3Ti4O12 Ceramics	Journal of Alloys and Compounds 877 (Oct 2021): 160322	May 2021	Q1	5.316	Materials Science and Engineering
195	BL5.3: XPS	Pinitsoontorn, S.	Chuewangkam, N., Nachaithong, T., Chanlek, N., Thongbai, P. and Pinitsoontorn, S.	Mechanical and Dielectric Properties of Fly Ash Geopolymer/Sugarcane Bagasse Ash Composites	Polymers 14 (2022):1140	May 2022	Q1	4.329	Polymers
196	BL5.3: XPS	Kadja, M., Ismunandar	Ilmi, M. M., Maryanti, E., Nurdini, N., Setiawan, P., Grandprix, T., Kadja, M. and Ismunandar	A Multianalytical Investigation of the Physicochemical Properties of White Rock Art Pigments at the Nali and Tene Koro Sites, Lembata, East Nusa Tenggara, Indonesia	Journal of Archaeological Science: Reports 41 (2022): 103326	Dec 2021	Q1	3.216	Chemistry
197	BL5.3: XPS	Thongbai, P.	Jumpatam, J., Boonlakhorn, J., Phromviyo, N., Chanlek, N. and Thongbai, P.	Electrical Responses and Dielectric Properties of (Zn2++F–) Co–doped CaCu3Ti4O12 Ceramics	Materialia 23 (Jun 2022); 101441	Apr 2022	Q1	4.7	Materials Science and Engineering
198	BL5.3: XPS	Watcharenwong, A.	Kaeokan, A., Chanlek, N. and Watcharenwong, A.	Spectroscopic Studies of the Iron Nanoparticles (Fe-NPs) Derived from Eucalyptus Leaves Extract and Ultrasonic Wave Assisted Method	Suranaree Journal Science Technology 28 (2021): 010064	Aug 2020	Q4	0.35	Food and Agricultural Science
199	BL5.3: XPS	Kalawa, O.	Kalawa, O., Sichumsaeng, T., Kidkunthod, P., Chanlek, N. and Maensiri, S.	Ni-doped MnCo2O4 Nanoparticles as Electrode Material for Supercapacitors	Journal of Materials Science: Materials in Electronics 33 (2022): 4869-4886	Jan 2022	Q2	2.478	Materials Science and Engineering
200	BL5.3: XPS	Kongparakul, S.	Kheaw-in, P., Samart, C., Chanlek, N., Pakawanit, P., Reubroycharoen, P., Guan, G., Kongparakul, S. and Kiattakarnjornwong, S.	Fabrication of Fluoroalkylsilane/Zeoilic Imidazolate Framework Composites for Highly Efficient Superhydrophobic Coating	Carbon Resources Conversion 5 (Mar 2022): 26-34	Dec 2021	n/a	n/a	Surface, Interface and Thin Films
201	BL5.3: XPS	Pojprapai, S.	Kongtunmon, M., Supadee, L., Kundhikanjana, W., Janphuang, P., Supruangnet, R., Jongpinit, W., Munthala, D. and Pojprapai, S.	Effect of Annealing Atmosphere on Hydration Behavior of MgO Thin Film in Tunneling Magnetoresistance Sensor	Ceramics International 48 (Mar 2022): 6966-70	Nov 2021	Q1	4.527	Surface, Interface and Thin Films
202	BL5.3: XPS	Itthibenchapong, V. and Sirisaksoontorn, W.	Krobkrong, N., Wangvisavawit, V., Chanlek, N., Kidkhunthod, P., Itthibenchapong, V. and Sirisaksoontorn, W.	Bifunctional MoS2/TiO2 Nanoparticles for Hydrodeoxygenation of Oleic Acid and Photodegradation of Carbonaceous Deposits	ACS Applied Nano Materials 5 (2022): 3632-3642	Mar 2022	Q1	5.097	Chemistry
203	BL5.3: XPS	Wittayakun, J.	Kosawatthanakun, S., Pansakdanon, C., Sosa, N., Chanlek, N., Roessner, F., Prayoonpokarach, S. and Wittayakun, J.	Comparative Properties of K/NaX and K/NaY from Ultrasound-Assisted Impregnation and Performance in Transesterification of Palm Oil	ACS Omega 7 (2022): 9130-9141	Mar 2022	Q1	3.512	Chemistry
204	BL5.3: XPS	Lakhonchai, A.	Lakhonchai, A., Chingsungnoen, A., Poolcharuansin, P., Chanlek, N., Tunmee, S. and Rittihong, U.	Improvement of Corrosion Resistance and Mechanical Properties of Chrome Plating by Diamond-Like Carbon Coating with Different Silicon-Based Interlayers	Materials Research Express 9 (2022): 055604	May 2022	Q2	1.61	Surface, Interface and Thin Films
205	BL5.3: XPS	Kruefu, V.	Leangtanom, P., Chanlek, N., Yordsri, V., Wisitsoraat, A., Tuantranont, A., Jaruwongrungrueng, K., Phanichphant, S. and Kruefu, V.	Enhanced NO2-Sensing Properties of Cu-Loaded SnO2 Nanoparticles Synthesized via Precipitation and Impregnation Methods	Physica Status Solidi A.	Mar 2022	Q2	1.981	Materials Science and Engineering
206	BL5.3: XPS	Padchasri, J., Songsiriritthigul, P., Kidkhunthod, P.	Iomon, J., Padchasri, J., Montreeuppathum, A., Siriroj, S., Poo-arporn, Y., Pinitsoontorn, S., Songsiriritthigul, P., Rujirawat, S. and Kidkhunthod, P.	Effect of Ni Content in Lithium Nickel Borate Glasses: Structure and Electrochemical Studies	Journal of Alloys and Compounds 911 (Aug 2022): 164994	Apr 2022	Q1	5.316	Materials Science and Engineering
207	BL5.3: XPS	Thongbai, P.	Mingmuang, Y., Chanlek, N., Srepusharawoot, P. and Thongbai, P.	Origin of Excellent Giant Dielectric Performance of Rutile–TiO2 cCeramics Codoped with Isovalent/Pentavalent Dopants	Materials Research Bulletin 155 (Nov 2022): 111964	Jul 2022	Q1	4.641	Materials Science and Engineering
208	BL5.3: XPS	Thongbai, P.	Mingmuang, Y., Chanlek, N. and Thongbai, P.	Ultra–Low Loss Tangent and Giant Dielectric Permittivity with Excellent Temperature Stability of TiO2 Co-doped with Isovalent-Zr4+/Pentavalent-Ta5+ Ions	Journal of Materiomics	Apr 2022	Q1	6.425	Materials Science and Engineering
209	BL5.3: XPS	Thongbai, P.	Mingmuang, Y., Chanlek, N., Moontragoon, P., Srepusharawoot, P. and Thongbai, P.	Significantly Improved Dielectric Properties of Tin and Niobium Co-doped Rutile TiO2 Driven by Maxwell-Wagner Polarization	Journal of Alloys and Compounds 923 (Nov 2022): 166371	Jul 2022	Q1	5.316	Materials Science and Engineering
210	BL5.3: XPS	Maluangnont, T.	Maluangnont, T., Chanlek, N., Khamman, O., Vittayakorn, W. and Sooknoi, T.	Structural and Compositional Characteristics of Ball-Milled Lepidocrocite Alkali Titanate and the Correlation to Its Surface Acidic–Basic Properties	Inorganic Chemistry 60 (2021): 16326-16336	Oct 2021	Q1	5.165	Surface, Interface and Thin Films
211	BL5.3: XPS	Yimnirun, R.	Nathabumroong, S., Poochai, C., Chanlek, N., Eknapakul, T., Sonsupap, S., Tuichai, W., Sriprachuabwong, C., Rujirawat, S., Songsiriritthigul, P., Tuantranont, A. and Rattikorn, Y.	Enhanced Surface and Electrochemical Properties of Nitrogen-Doped Reduced Graphene Oxide by Violet Laser Treatment for High Charge Storage and Lower Self-Discharge Supercapacitors	Journal of Power Sources 513 (2021): 230517	Sep 2021	Q1	9.127	Surface, Interface and Thin Films
212	BL5.3: XPS	Hagio, T.	Nijpanich, S., Hagio, T., Murase, K., Park, J. H., Kamimoto, Y., Sakdapipanich, J., Terashima, C., Chanlek, N. and Ichino, R.	A Tri-Layer Floating Photocatalyst/Adsorbent for the Removal of Organic Compounds from Wastewater: Layer-by-Layer Deposition of Silicalite-1 and Titania on Hollow Glass Microspheres	Environmental Technology & Innovation 26 (May 2022): 102242	Dec 2021	Q1	5.263	Environmental Science

213	BL5.3: XPS	Osakoo, N., Loiha, S., Wittayakun, J.	Osakoo, N., Tawachkultanadilok, P., Loiha, S. Roessner, F., <u>Poo-arporn, Y., Kidkhunthod, P., Chanlek, N.</u> , Prayoonpokarach, S. and Wittayakun, J.	Green Reduction Route via Ethanol Dehydrogenation and Decomposition for Pd-promoted Co3O4/SBA-15 Catalysts in Reverse Water Gas Shift Reaction: An Operando Time-Resolved X-Ray Absorption Spectroscopy Investigation	Applied Catalysis B: Environmental 316 (Nov 2022): 121670	Jun 2022	Q1	24.319	Chemistry
214	BL5.3: XPS	Padchasri, J., Manyum, P.	Padchasri, J., Tipakontitikul, R., Niyompan, A., Chanlek, N., Kidkhunthod, P., Sattayaporn, S., Rujirawat, S., Yimnirun, R. and Manyum, P.	Correlation of X-Ray Diffraction, X-Ray Absorption Spectroscopy and Optical Properties of Europium Activated Spinel Calcium Stannate	Integrated Ferroelectrics 225 (2022): 12-19	May 2022	Q3	0.836	Materials Science and Engineering
215	BL5.3: XPS	Samart, C.	Panpian, P., Pham, L. K. H., Kongparakul, S., Ding, M., Wang, P., Guan, G., Chanlek, N., <u>Poo-arporn, Y.</u> , Reubroycharoen, P. and Samart, C.	One-pot Upgrading of Coconut Coir Lignin over High-Efficiency Ni2P Catalysts	Journal of Environmental Chemical Engineering 9 (Dec 2021): 106702	Nov 2021	Q1	5.909	Chemistry
216	BL5.3: XPS	Phattharasupakun, N., Sawangphruk, M.	Phattharasupakun, N., Bunyanidhi, P., Chiochan, P., <u>Chanlek, N.</u> and Sawangphruk, M.	Effect of Charging Protocols on Electrochemical Performance and Failure Mechanism of Commercial Level Ni-rich NMC811 Thick Electrode	Electrochemistry Communications 139 (Jun 2022): 107309	Jul 2022	Q1	5.443	Materials Science and Engineering
217	BL5.3: XPS	Siritanon, T.	Phonsuksawang, P., Waehayee, A., Jiamprasertboon, A., Nijpanich, S. and Siritanon, T.	Facile and Rapid Exfoliation of HTiNbO5 Nanosheets for Photocatalytic Applications	Materials Letters 323 (Sep 2022): 132492	May 2022	Q2	3.423	Materials Science and Engineering
218	BL5.3: XPS	Utke, R.	Plerdsranoy, P., <u>Poo-arporn, Y.</u> , <u>Chanlek, N.</u> , Kidkhunthod, P., Kamonsutthipajit, N., Suthirakun, S., Fongkaew, I., Khajondetchairit, P., Pangon, A. and Utke, R.	Cycling Stability and Adsorption Mechanism at Room Temperature of the Upscaled Ni-Doped Hierarchical Carbon Scaffold	International Journal of Hydrogen Energy 47 (May 2022): 18412-23	May 2022	Q1	5.816	Chemistry
219	BL5.3: XPS	Samart, C.	Pham, L. K. H., Kongparakul, S., Reubroycharoen, P., Ding, M., Guan, G., Vo, D. V. N., <u>Chanlek, N.</u> , Van, C. N. and Samart, C.	High Catalytic Activity of a Nickel Phosphide Nanocatalyst Supported on Melamine Doped Activated Carbon for Deoxygenation	Topics in Catalysis	Feb 2022	Q2	2.91	Chemistry
220	BL5.3: XPS	Thongbai, P.	Prachamon, J., Boonlakhorn, J., <u>Chanlek, N.</u> , Phromviyo, N., Harnchana, V., Srepusharawoot, P., Swatsitang, E. and Thongbai, P.	Enhanced dielectric response and non-Ohmic properties of Ge-doped CaTiO3/CaCu3Ti4O12	Journal of Asian Ceramic Societies 10 (2022): 473-481	May 2022	Q2	3.125	Materials Science and Engineering
221	BL5.3: XPS	Harnchana, V., Chingsungnoen, A.	Prada, T., Harnchana, V., Lakhonchai, A., Chingsungnoen, A., Poolcharuansin, P., <u>Chanlek, N.</u> , 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 15 (2022): 272–279	May 2021	Q1	8.897	Surface, Interface and Thin Films
222	BL5.3: XPS	Pimanpang, S.	Prasan, P., Aunping, N., <u>Chanlek, N.</u> , Kumlangwan, P., Towannang, M., Klangtakai, P., Srepusharawoot, P., Thongnum, A., Kumnorkaew, P., Jareenboon, W., <u>Pimanpang, S.</u> and <u>Amornkitbamrung, V.</u>	Influence of SCN2 Moiety on CH3NH3PbI3 Perovskite Film Properties and the Performance of Carbon-based Hole-Transport-Layer-Free Perovskite Solar Cells	Journal of Materials Science: Materials in Electronics 33 (2022): 1589-1603	Jan 2022	Q2	2.478	Surface, Interface and Thin Films
223	BL5.3: XPS	Rahman, M. N. A.	Rahman, M. N. A., Shuhaimi, A., Khudus, M. I. M. A., Anuar, A., Zainorin, M. Z., Talik, N. A., <u>Chanlek, N.</u> and Majid, W. H. A.	Diminishing the Induced Strain and Oxygen Incorporation on Aluminium Nitride Films Deposited Using Pulsed Atomic-Layer Epitaxy Techniques at Standard Pressure MOCVD	Journal of Electronic Materials 50 (2021): 2313-2321	Feb 2021	Q2	1.938	Surface, Interface and Thin Films
224	BL5.3: XPS	Chanthad, C., Grisdanurak, N.	Sangprasert, T., Sattayarat, V., Rajruthong, C., Khanchaitit, P., Khemthong, P., Chanthad, C. and Grisdanurak, N.	Making use of the Inherent Nitrogen Content of Spent Coffee Grounds to Create Nanostructured Activated Carbon for Supercapacitor and Lithium-Ion Battery Applications	Diamond and Related Materials 127 (Aug 2022): 109164	Jun 2022	Q1	3.315	Materials Science and Engineering
225	BL5.3: XPS	Sakdaronnarong, C.	Saengsrirachan, A., Saikate, C., Silasana, P., Khemthong, P., Wanmolee, W., Phanthasri, J., Youngjan, S., Posoknistakul, P., Ratchahat, S., Laosiripojana, N., Wu, K. C. W. and Sakdaronnarong, C.	The Role of N and S Doping on Photoluminescent Characteristics of Carbon Dots from Palm Bunches for Fluorimetric Sensing of Fe3+ Ion	International Journal of Molecular Sciences 23 (2022): 5001	Apr 2022	Q1	5.924	Materials Science and Engineering
226	BL5.3: XPS	Thongbai, P.	Saengvong, P., <u>Chanlek, N.</u> , Srepusharawoot, P., Harnchana, V. and Thongbai, P.	Enhancing Giant Dielectric Properties of Ta5+-doped Na1/2Y1/2Cu3Ti4O12 Ceramics by Engineering Grain and Grain Boundary	Journal of the American Ceramic Society 105 (May 2022): 3447-55	Jan 2022	Q1	3.784	Materials Science and Engineering
227	BL5.3: XPS	Thongbai, P.	Saengvong, P., <u>Chanlek, N.</u> , Putasaeng, B., Pengpad, A., Harnchana, V., Kongsuk, S., Srepusharawoot, P. and Thongbai, P.	Significantly Improved Colossal Dielectric Properties and Maxwell–Wagner Relaxation of TiO2—Rich Na1/2Y1/2Cu3Ti4+xO12 Ceramics	Molecules 26 (2021): 604	Oct 2021	Q1	4.411	Materials Science and Engineering
228	BL5.3: XPS	Nanan, S.	Senasu, T., Chankhanittha, T., Hemavibool, K. and Nanang, S.	Solvothermal Synthesis of BiOBr Photocatalyst with an Assistant of PVP for Visible-Light-Driven Photocatalytic Degradation of Fluoroquinolone Antibiotics	Catalysis Today 384-386 (2022): 209–227	Apr 2021	Q1	6.766	Chemistry
229	BL5.3: XPS	Maensiri, S.	Sichumsaeng, T., Phromviyo, N., Pinitsoontorn, S., <u>Kidkhunthod, P., Chanlek, N.</u> and Maensiri, S.	Synthesis, Characterization and Magnetic Properties of KFeO2 Nanoparticles Prepared by a Simple Egg white Solution Route	International Journal of Minerals, Metallurgy and Materials 29 (Jan 2022): 128.135	Jan 2022	Q2	2.232	Materials Science and Engineering
230	BL5.3: XPS	Thongbai, P.	Silakaew, K., <u>Chanlek, N.</u> , Manyam, J. and Thongbai, P.	Highly Enhanced Frequency- and Temperature-Stability Permittivity of Three-Phase Poly(vinylidene-fluoride) Nanocomposites with Retaining Low Loss Tangent and High Permittivity	Results in Physics 26 (2021): 104410	Jun 2021	Q2	4.476	Polymers
231	BL5.3: XPS	Thongbai, P.	Siriya, P., <u>Chanlek, N.</u> , Srepusharawoot, P., Harnchana, V. and Thongbai, P.	Triple-Doping of (Ga1/2Nb1/2)xTi1-xO2 Ceramics with Al3+ for Enhanced Giant Dielectric Response with Simultaneous Decrease in Dielectric Loss	Journal of the European Ceramic Society 42 (Jun 2022): 2798-2803	Feb 2022	Q1	5.302	Materials Science and Engineering
232	BL5.3: XPS	Thongbai, P.	Siriya, P., <u>Chanlek, N.</u> , Srepusharawoot, P. and Thongbai, P.	Excellent Giant Dielectric Properties Over Wide Temperatures of (Al, Sc)3+ and Nb5+ doped TiO2	Results in Physics 36 (2022): 105458	Mar 2022	Q2	4.476	Materials Science and Engineering
233	BL5.3: XPS	Utke, R.	Sitthiwet, C., Plerdsranoy, P., <u>Utke, O., Nijpanich, S., Chanlek, N.</u> , Eiamlamai, P. and Utke, R.	Hydrogen Sorption Kinetics and Suppression of NH3 Emission of LiH-Sandwiched LiNH2-LiH-TiF4-MWCNTs Pellets Upon Cycling	Journal of Alloys and Compounds 909 (Jul 2022): 164673	Mar 2022	Q1	5.316	Materials Science and Engineering
234	BL5.3: XPS	Maensiri, S.	Siwawongkasem, K., Senanon, W. and Maensiri, S.	Hydrothermal Synthesis, Characterization, and Electrochemical Properties of MnO2 Titanate Nanotubes (MnO2 TNTs)	Journal of Electronic Materials	Mar 2022	Q2	1.938	Surface, Interface and Thin Films
235	BL5.3: XPS	Sonsupap, S.	Sonsupap, S., <u>Chanlek, N.</u> , Kidkhunthod, P., Sinprachim, T. Maensiri, S.	Synthesis and Electrochemical Properties of Electrospun Cerium Oxide (CeO2) Nanoparticles/Carbon Nanofibers	Journal of Electronic Materials 51 (2022): 2933-48	Apr 2022	Q2	1.938	Materials Science and Engineering
236	BL5.3: XPS	Chairat, M.	Sriphumrat, K., Wongnongwa, Y., Jungsuttiwong, S., <u>Pakawanit, P.</u> , Sajomsang, W., Bremner, J. B. and Chairat, M.	Physicochemical Investigation of the Enhanced Removal of Methylene Blue from Aqueous Solution using Polydopamine/Silver Nanoparticles	The Journal of The Textile Institute	Mar 2022	Q2	1.88	Medical Applications
237	BL5.3: XPS	Supamathanon, N.	Supamathanon, N., Boonserm, K., Lisund, S., <u>Chanlek, N.</u> , Rungtaweeworani, B., Khemthong, P., Wittayakun, J. and Osakoo, N.	Development of CaO Supported on Modified Geopolymer Catalyst for Transesterification of Soybean Oil to Biodiesel	Materials Today Communications 29 (Dec 2021): 102822	Sep 2021	Q2	3.383	Chemistry
238	BL5.3: XPS	Suramitr, A., Poo-arporn, Y.	Suramitr, A., Suramitr, S., Homhual, C., Saensanar, N., <u>Poo-arporn, Y., Chanlek, N.</u> and Poo-arporn, R. P.	Synthesis and Characterization of Reduced Graphene Oxide/Cobalt Sulfide Heterostructures as the Visible-Light-Driven Photocatalysts	Thin Solid Films 741 (Jan 2022): 139041	Dec 2021	Q2	2.183	Surface, Interface and Thin Films
239	BL5.3: XPS	Putjuso, T.	Swatsitang, E., Putjuso, S., <u>Nijpanich, S.</u> , Sriphakdee, M. and Putjuso, T.	A Novel CaCu2.8-xZnxTi4O12 System: a Highperformance Dielectric with Nonlinear J - E Properties	Journal of Materials Research and Technology 19 (Jul-Aug 2022): 4473-4488	Jul 2022	Q1	8.067	Materials Science and Engineering
240	BL5.3: XPS	Putjuso, T.	<u>Swatsitang, E., Putjuso, S., Nijpanich, S. and Putjuso, T.</u>	Modification of Cu-Deficient CaCu2.8Ti4O12 Ceramics via Mg2+ Substitution at Cu Sites for Improved Dielectric Properties and Thermal Stability	Journal of Alloys and Compounds 902 (May 2022): 163643	Jan 2022	Q1	5.316	Materials Science and Engineering
241	BL5.3: XPS	Taaca, K. L. M., Vasquez Jr., M. R.	Taaca, K. L. M., De Leon, M. J. D., <u>Thumanu, K., Nakajima, H., Chanlek, N.</u> , Prieto, E. I. and Vasquez Jr., M. R.	Probing the Structural Features of a Plasma-Treated Chitosan-Acrylic Acid Hydrogel	Colloids and Surfaces A: Physicochemical and Engineering Aspects 637 (Mar 2022): 128233	Dec 2021	Q2	4.5	Biological and Life Science

242	BL5.3: XPS	Thongbai, P.	Thanamoon, N., Chanlek, N. , Srepusharawoot, P., Swatsitang, E. and Thongbai, P.	Microstructural Evolution and High-Performance Giant Dielectric Properties of Lu3+/Nb5+ Co-Doped TiO2 Ceramics	Molecules 26 (2021): 7041	Nov 2021	Q1	4.411	Materials Science and Engineering
243	BL5.3: XPS	Thongbai, P.	Thanamoon, N., Chanlek, N. , Moontragoon, P., Srepusharawoot, P. and Thongbai, P.	Microstructure, Low Loss Tangent, and Excellent Temperature Stability of Tb+Sb-Doped TiO2 with High Dielectric Permittivity	Results in Physics 37 (June 2022): 105536	Apr 2022	Q2	4.476	Physics
244	BL5.3: XPS	Thongbai, P.	Thanamoon, N., Chanlek, N. , Srepusharawoot, P. and Thongbai, P.	Origin of Colossal Dielectric Performance of Rutile-TiO2 by Substitution with Y3++Ta5+ Dopants: DFT Calculations and Experimental Study	Materialia 22 (May 2022): 101432	Apr 2022	Q1	4.7	Materials Science and Engineering
245	BL5.3: XPS	Padungthon, S.	Tangjitjaroenkit, S., Pranudta, A., Chanlek, N. , Nguyen, T. T., Kuster, A. T., Kuster, A. C., El-Moselhy, M. M. and Padungthon, S.	Fluoride Removal by Hybrid Cation Exchanger Impregnated with Hydrated Al(III) Oxide Nanoparticles (HCIX-Al) with Novel Closed-Loop Recyclable Regeneration System	Reactive and Functional Polymers 169 (Dec 2021): 105067	Oct 2021	Q1	3.975	Polymers
246	BL5.3: XPS	Poo arporn, Y., Suramitr, S.	Thaweechai, T., Sirisaksoontorn, W., Poo arporn, Y. , Chanlek, N. , Seraphin, S., Thachepan, S., Poo arporn, R. P. and Suramitr, S.	Transparent Graphene Quantum Dot/Amorphous TiO2 Nanocomposite Sol as Homogeneous Like Photocatalyst	The Journal of Nanoparticle Research 23 (2021):225	Oct 2021	Q2	2.253	Surface, Interface and Thin Films
247	BL5.3: XPS	Meethong, N.	Thanwisai, P., Chaiyapo, N., Phuenhinlad, P., Kanaphan, Y., Nash, J., Chotsuwan, C., Klamchuen, A., Wang, Y., Nann, T. and Meethong, N.	Mesoporous and Defective Activated Carbon Cathode for AlCl4 ⁻ Anion Storage in Non-Aqueous Aluminium-Ion Batteries	Carbon 191 (May 2022): 195-204	Feb 2022	Q1	9.594	Materials Science and Engineering
248	BL5.3: XPS	Thangdee, P.	Thangdee, P., Chongserecharoen, E., Chunjaemsri, T., Ekwongsa, C., Kidkhunthod, P. , Chanlek, N. , Wongdamnern, N., Manyum, P., Rujirawat, S. and Yimnirun, R.	Local Structure and Structural Properties of Vanadium Oxide Thin Films Prepared by Radio-Frequency Reactive Magnetron Sputtering at Various Oxygen Flow Rate	Ferroelectrics 586 (2022): 213-224	Feb 2022	Q4	0.62	Surface, Interface and Thin Films
249	BL5.3: XPS	Rattanachan, S. T.	Thongsri, O., Srisuwan, S., Thaitalay, P., Dangwiriyakul, R., Aengchuan, P., Chanlek, N. , Kidkhunthod, P. , Talabnin, C., Suksaweang, S., and Rattanachan, S. T.	Structural Evaluation of ZnO Substitution for CaO in Glass Ionomer Cement Synthesized by Sol-Gel Method and Their Properties	Journal of Materials Science 57 (2022): 633-650	Jan 2022	Q1	4.22	Materials Science and Engineering
250	BL5.3: XPS	Takesada, M. and Thongbai, P.	Thongyong, N., Chanlek, N. , Srepusharawoot, P., Takesada, M., Cann, D. P. and Thongbai, P.	Experimental Study and DFT Calculations of Improved Giant Dielectric Properties of Ni2+/Ta5+ co-doped TiO2 by Engineering Defects and Internal Interfaces	Journal of the European Ceramic Society 42 (Sep 2022): 4944-52	May 2022	Q1	5.302	Surface, Interface and Thin Films
251	BL5.3: XPS	Thongbai, P.	Thongyong, N., Chanlek, N., Srepusharawoot, P. and Thongbai, P.	Origins of Giant Dielectric Properties with Low Loss Tangent in Rutile (Mg1/3Ta2/3)0.01Ti0.99O2 Ceramic	Molecules 20 (2021): 6952	Nov 2021	Q1	4.411	Materials Science and Engineering
252	BL5.3: XPS	Wantala, K., de Luna, M. D. G.	Wantala, K., See Go, F. C. L., Garcia, V. C. C., Chirawatkul, P. , Chanlek, N. , Kidkhunthod, P. , Abarca, R. R. M. and de Luna, M. D. G.	Low Thermal Oxidation of Gaseous Toluene over Cu/Ce Single-Doped and Co-Doped OMS-2 on Different Synthetic Routes	Chemical Engineering Communications	Mar 2022	Q2	2.494	Chemistry
253	BL5.3: XPS	Bootchanont, A.	Wattanawikkam, C., Bootchanont, A., Porjai, P., Jetjamnong, C., Kowong, R., Lertvanithphol, T., Chananonnawathorn, C., Chirawatkul, P. , Chanlek, N. , Nakajima, N. , Songsiriritthigul, P. , Kiama, N., Nareejun, W., Tomkham, P., Ponchio, C., Rahong, S., Kluamchuen, A. and Horprathum, M.	Phase Evolution in Annealed Ni-doped WO3 Nanorod Films Prepared via a Glancing Angle Deposition Technique for Enhanced Photoelectrochemical Performance	Applied Surface Science 584 (May 2022): 152581	Jan 2022	Q1	6.707	Surface, Interface and Thin Films
254	BL5.3: XPS	Witoon, T.	Witoon, T., Numpilai, T., Niipanich, S. , Chanlek, N. , Kidkhunthod, P. , Cheng, C. K., Hoong Ng, K., Vo, D.N., Ittisanronnachai, S., Wattanakit, C., Chareonpanich, M. and Limtrakul, J.	Enhanced CO2 Hydrogenation to Higher Alcohols over K-Co Promoted In2O3 Catalysts	Chemical Engineering Journal 431 (Mar 2022): 133211	Nov 2021	Q1	13.273	Chemistry
255	BL5.3: XPS	Witoon, T.	Witoon, T., Numpilai, T., Dolsiriritthigul, N., Chanlek, N. , Poo-arporn, Y. , Cheng, C. K., Ayodele, B. V., Chareonpanich, M. and Limtrakul, J.	Enhanced Activity and Stability of SO4 2-/ZrO2 by Addition of Cu Combined with CuZnOZrO2 for Direct Synthesis of Dimethyl ether from CO2 hydrogenation	International Journal of Hydrogen Energy	Apr 2022	Q1	5.816	Chemistry
256	BL5.3: XPS	Zaman, F., Kaewkhao, J.	Zaman, F., Rooh, G., Chanithima, N., Khan, S. U., Kim, H. J., Kothan, S., Chanlek, N. , Arshad, M. and Kaewkhao, J.	Investigation of Spectroscopic and Photoluminescence Properties of Erbium Doped Phosphate (P2O5-K2O3-Al2O3) Glasses	Journal of Alloys and Compounds 893 (Feb 2022): 162215	Oct 2021	Q1	5.316	Materials Science and Engineering
257	BL6: DXL	Promros, N.	Borwornpornmetee, N., Charoenyuenyao, P., Chaleawpong, R., Paosawatyanong, B., Phatthanakun, R. , Sittimart, P., Aramaki, K., Hamasaki, T., Yoshitake, T., Promros, N.	Physical Properties of Fe3Si Films Coated through Facing Targets Sputtering after Microwave Plasma Treatment	Coatings 11 (2021): 923	Aug 2021	Q2	2.881	Surface, Interface and Thin Films
258	BL6: DXL	Wongjom, P.	Borwornpornmetee, N., Infahsaeng, Y., Pongophas, E., Maiaugree, W., Piyasin, P., Palaporn, D., Wannasen, L., Pinitsoontorn, S., Pattanakul, R. , Ramamoorthy, H., Somphonsane, R., Khayaiwong, P. and Wongjom, P.	The Observation of Spin Seebeck Effect in Opposite Spin Hall Angle Materials of Polycrystalline Bulk-Fe3O4/(Co/Fe) Systems	AIP Advances 12 (2022): 015320	Jan 2022	Q2	1.548	Materials Science and Engineering
259	BL6: DXL	Poo-arporn, Y., Poo-arporn, R. P.	Duangmanee, S., Poo-arporn, Y. , Janphuang, P., Leuasoongnoen, P., Tonlublaio, S., Kamonpha, P., Saengchai, N., Chanlek, N. , Saisombat, C. and Kidkhunthod, P.	An Operando X-ray Absorption Spectroscopy Study on Sensing Characteristics of Vertically Aligned ZnO Thin Film for Methane Gas Sensors	Nanomaterials 12 (2022): 1285	Apr 2022	Q1	5.076	Surface, Interface and Thin Films
260	BL6: DXL	Fangsuwannarak, T.	Fangsuwannarak, T., Rattanawichai, P., Laohawiroj, S., Limsiri, W., Naidoo, N. J., Phatthanakun, R. and Fangsuwannarak, K.	Conductivity Improvement of Spherical Nano-Crystalline ZnO:Bi/Indium Tin Oxide Layer for Low Cost of Semiconductor Devices	Integrated Ferroelectrics, 222 (2022): 14-27	Dec 2021	Q3	0.84	Surface, Interface and Thin Films
261	BL6: DXL	Ngamchuea, K.	Kaewket, K., Janphuang, P. , Laohana, P., Tanapongpisit, N., Saenrang, W. and Ngamchuea, K.	Silver Microelectrode Arrays for Direct Analysis of Hydrogen Peroxide in Low Ionic Strength Samples	Electroanalysis	Jun 2022	Q2	3.223	Micro and Nanotechnology
262	BL6: DXL	Pojprapai, S.	Kongtunmon, M., Supadee, L., Kundhikanjana, W., Janphuang, P. , Supruangnet, R. , Jongpinit, W., Munthala, D. and Pojprapai, S.	Effect of Annealing Atmosphere on Hydration Behavior of MgO Thin Film in Tunneling Magnetoresistance Sensor	Ceramics International 48 (Mar 2022): 6966-70	Nov 2021	Q1	4.527	Surface, Interface and Thin Films
263	BL6: DXL	Kuntanawat, P.	Kuntanawat, P., Kunhorm, P., Siangdung, W., Bunnag, B., Phatthanakun, R. and Surareungchai, W.	The Development of an Alternative Algal Lipid Quantification Method Based on Resistance of Screen Printed Carbon Paper Electrodes	Suranaree Journal Science Technology 28 (2021): 030067	Aug 2020	Q4	0.35	Micro and Nanotechnology
264	BL6: DXL	Tongta, S.	Nontamas, P., Phatthanakun, R. , Chio-Srichan, S. , Soontaranon, S. , Sorndech, W. and Tongta, S.	Physico-Chemical Properties and Digestibility of Native and Citrate Starches Change in Different Ways by Synchrotron Radiation	International Journal of Biological Macromolecules 207 (May 2022): 475-483	Mar 2022	Q1	6.953	Food and Agriculture Science
265	BL6: DXL	Vittayakorn, N.	Pakawanit, P., Pharino, U., Charoonsuk, T., Sriphan, S., Pongampai, S. and Vittayakorn, N.	Simple Fabrication of Porous 3D Substrate Polydimethylsiloxane (PDMS) Compositd with Polyvinylidene Fluoride-co-Hexafluoropropylene (PVDF-HFP) for Triboelectric Nanogenerator	Integrated Ferroelectrics		Q3	0.836	Polymers
266	BL6: DXL	Leksakul, K.	Phiphattanaphiphop, C., Leksakul, K., Wanta, T., Khamlor, T. and Phattanakun, R.	Antibody-Conjugated Magnetic Beads for Sperm Sexing Using a Multi-Wall Carbon Nanotube Microfluidic Device	Micromachines 13 (2022): 426	Mar 2022	Q2	2.891	Micro and Nanotechnology
267	BL6: DXL	Vittayakorn, N.	Pongampai, S., Pakawanit, P. , Charoonsuk, T. and Vittayakorn, N.	Low-Cost Fabrication of the Highly Efficient Triboelectric Nanogenerator by Designing a 3D Multi-Layer Origami Structure Combined with Self-Charged Pumping Module	Nano Energy 90 (Dec 2021): 106629	Oct 2021	Q1	17.881	Materials Science and Engineering
268	BL6: DXL	Fangsuwannarak, T.	Rattanawichai, P., Fangsuwannarak, T., Fangsuwannarak, K., Laohawiroj, S., Limsiri, W., Naidoo, N. J. and Phatthanakun, R.	Effect of Rapid Thermal Treatment on the Electrical Conductivity Improvement of nc-ZnO:Bi Thin Film and ITO Substrate	Ferroelectrics 586 (2022): 160-177	Feb 2022	Q4	0.62	Surface, Interface and Thin Films
269	BL6: DXL	Sindhupakorn, B.	Sucharitakul, W., Leuasoongnoen, P., Horprathum, M., Lertvanithphol, T., Janphuang, P. , Mitsomwang, P., Sindhupakorn, B.	abrication of an Acetone Gas Sensor Based on Si-Doped WO3 Nanorods Prepared by Reactive Magnetron Co-Sputtering with OAD Technique	Materials Research Express 8 (2021): 125702	Dec 2021	Q2	1.61	Micro and Nanotechnology

270	BL6: DXL	Pojprapai, S.	Sonklin, T., Munthala, D., Suksaweang, S., <u>Janphuag, P.</u> and Pojprapai, S.	Effect of Surface Modified Quartz Crystal Microbalance (QCM) on Detection Sensitivity for Prostate Specific Antigen (PSA)	Integrated Ferroelectrics 222 (2022): 93-101	Dec 2021	Q3 ISI	0.84	Materials Science and Engineering
271	BL6: DXL	Junpirom, S.	Sukkasem, T., Nuchitprasittichai, A., <u>Janphuag, P.</u> 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)	Aug 2021	Q4	0.14	Surface, Interface and Thin Films
272	BL6: DXL	Jiansirisomboon, S.	Tongpeng, S., Makbun, K., <u>Janphuag, P.</u> , Wannapaiboon, S., Pattanakul, R., Pojprapai, S. and Jiansirisomboon, S.	Synthesis and Characterization of La-Doped Hafnium Oxide Thin Films by Sol–Gel Method	Integrated Ferroelectrics, 222 (2022): 102-115	Dec 2021	Q3	0.84	Surface, Interface and Thin Films
273	BL6: DXL	Ruttanapun, C.	Wongjom, P., <u>Phatthanakun, R.</u> and Ruttanapun, C.	The Observation of Spin Seebeck Effect of Hybrid Structure in Bulk Sintering Polycrystalline of Yttrium Iron Oxide (Y3Fe5O12)/Pt	Integrated Ferroelectrics 222 (2022): 44-55	Dec 2021	Q3	0.84	Surface, Interface and Thin Films
274	BL7.2: MX	Jitonnorn, J., Ketudat Cairns, J. R.	Huang, M., Pengthaisong, S., <u>Charoenwattanasatien, R.</u> , Thinkumrob, N., Jitonnorn, J. and Ketudat Cairns, J.R.	Systematic Functional and Computational Analysis of Glucose-Binding Residues in Glycoside Hydrolase Family GH116	Catalysts 12 (2022): 343	Mar 2022	Q2	4.146	Biological and Life Science
275	BL7.2: MX	Kamaruddin, S., Bakar, F. D. A.	Kamaruddin, S., Ahmad Redzuan, R., Minor, N., Seman, W. M. K. W., Md Tab, M., Jaafar, N. R., Ahmad Rodzli, N., Jonet, M. A., Bharudin, I., Yusof, N. A., Xia, D. Q. S., Mahadi, N. M., Murad, A. M. A. and Bakar, F. D. A.	Biochemical Characterisation and Structure Determination of a Novel Cold-Active Proline Iminopeptidase from the Psychrophilic Yeast, Glaciozyma Antarctica PI12	Catalysts 22 (2022): 722	Jun 2022	Q2	4.501	Biological and Life Science
276	BL7.2: MX	Pakotiprapha, D.	Permsirivisan, P., Yuenyao, A., Pramanpol, N., <u>Charoenwattanasatien, R.</u> , Suginta, W., Chaiben, P. and Pakotiprapha, D.	Mechanism of Transcription Regulation by Acinetobacter Baumannii HpaR in the Catabolism of p-Hydroxyphenylacetate	The FEBS Journal 289 (Jun 2022); 3217-40	Dec 2021	Q1	5.542	Biological and Life Science
277	BL7.2: MX	Keawsompong, S.	Pongsapipatana, N., <u>Charoenwattanasatien, R.</u> , Pramanpol, N., Nguyen, T. H., Haltrich, D., Nitisinprasert, S. and Keawsompong, S.	Crystallization, Structural Characterization and Kinetic Analysis of a GH26 b-mannanase from Klebsiella Oxytoca KUB-CW2-3	Acta Crystallographica Section D 77 (2021): 1425-1436	Nov 2021	Q1	7.652	Biological and Life Science
278	BL7.2: MX	Siritapetawee, J., Charoenwattanasatien, R.	Siritapetawee, J., <u>Attarataya, J.</u> and Charoenwattanasatien, R.	Sequence Analysis and Crystal Structure of a Glycosylated Protease from Euphorbia Resinifera Latex for its Proteolytic Activity Aspect	Biotechnology and Applied Biochemistry	Dec 2021	Q2	2.434	Biological and Life Science
279	BL7.2: MX	Songsiriritthigul, C., Pungpo, P.	<u>Songsiriritthigul, C.</u> , Hanwarinroj, C., Pakamwong, B., Srimanote, P., Suttipanta, N., Sureram, S., Suttisintong, K., Kamsri, P., Punkvang, A., Spencer, J., Kittakoop, P. and Pungpo, P.	Inhibition of Mycobacterium Tuberculosis InhA by 3-nitropropanoic Acid	Proteins: Structure, Function, and Bioinformatics 2021; DOI: 10.1002/prot.26268.	Oct 2021	Q1	3.756	Biological and Life Science
280	BL7.2: MX	Vanichtanankul, J., Kamchonwongpaisan, S.	Vanichtanankul, J., Yoomuang, A., Taweechai, S., Saeyang, T., Pengon, J., Yuvaniyama, J., Tarnchompoo, B., Yuthavong, Y. and Kamchonwongpaisan, S.	Structural Insight into Effective Inhibitors' Binding to Toxoplasma gondii Dihydrofolate Reductase Thymidylate Synthase	ACS Chemical Biology 17 (2022): 1691-1702	Jun 2022	Q1	4.41	Biological and Life Science
281	BL6b: XRF	Salleh, M. A. A. M.	Amli, S. F. M., Salleh, M. A. A. M., Ramli, M. I. I., Aziz, M. S. A., Yasuda, H., <u>Chaiprapa, J.</u> and Nogita, K.	Effects of Immersion Silver (ImAg) and Immersion Tin (ImSn) Surface Finish on the Microstructure and joint Strength of Sn-3.0Ag-0.5Cu Solder	Journal of Materials Science: Materials in Electronics 33 (2022): 14249-63	May 2022	Q2	2.478	Materials Science and Engineering
282	BL6b: XRF	Aboullah, M. M. A. B.	Azimi, E. A., Salleh, M. A. A. M., Aboullah, M. M. A. B., Aziz, I. H. A., Hussin, K., <u>Chaipapa, J.</u> , Vizureanu, P., Yoriya, S., Nabialek, M. and Wyslocki, J. J.	Effect of Naoh Molar Concentration on Microstructure and Compressive Strength of Dolomite/Fly Ash-Based Geopolymers	Archives of Metallurgy and Materials 67 (2022): 993-998	[Aug 2022]	Q3	0.767	Polymers
283	BL6b: XRF	Ogrinc, N.	Gregorcic, S. H., Strojnik, L., Potocnik, D., Vogel-Mikus, K., Jagodic, M., Camin, F., Zuliani, T. and Ogrinc, N.	Can We Discover Truffle's True Identity?	Molecules 22 (2020): 2217	May 2020	Q1	4.411	Biological and Life Science
284	BL6b: XRF	Salleh, M.A.A.M., Sandu, A.V.	Ramli, M.I.I., Salleh, M.A.A.M., Sandu, A.V., Amli, S.F.M., Said, R.M., Saud, N., Abdullah, M.M.A.B., Vizureanu, P., Rylski, A., <u>Chaiprapa, J.</u> and Nabialek, M.	Influence of 1.5 wt.% Bi on the Microstructure, Hardness, and Shear Strength of Sn-0.7Cu Solder Joints after Isothermal Annealing	Materials 14 (2021): 5134	Sep 2021	Q2	3.623	Materials Science and Engineering
285	BL6b: XRF	Salleh, M. A. A. M., Sandu, A.V., Vizureanu, P., Nergis, D. D. B.	Ramli, M.I.I., Salleh, M. A. A. M., Abdullah, M. M. A. B., Aziz, I.H., Ying, T.C., Shahedan, N.F., Kockelmann, W., Fedrigo, A., Sandu, A.V., Vizureanu, P., <u>Chaiprapa, J.</u> and Nergis, D. D. B.	The Influence of Sintering Temperature on the Pore Structure of an Alkali-Activated Kaolin-Based Geopolymer Ceramic	Materials 15 (2022): 2667	Apr 2022	Q2	3.623	Materials Science and Engineering
286	BL6b: XRF	Horprathum, M., Songsiriritthigul, P.	Smith, M. F., Limwichean, S., Horprathum, M., <u>Chaiprapa, J.</u> , Aye, W. W., Chananonwathorn, C., Patthanasettakul, V., Eiamchai, P., Nuntawong, N., Klamchuen, A. and Songsiriritthigul, P.	Determination of Density and Specific Surface Area of Nanostructured Zinc Oxide Films by X-ray Fluorescence and Scanning Electron Microscopy	Thin Solid Films 751 (jun 2022): 139207	Mar 2022	Q2	2.183	Surface, Interface and Thin Films
287	BL8: XAS	Wattanawikkam, C.	Bootchanont, A., Porjai, P., Noonuruk, R., Wattanawikkam, C., Pavasupree, S., <u>Klysubun, W.</u> , Wechprasit, T., Maniwong, A. and Pecharapa, W.	Piezoelectric Enhanced Photocatalytic Properties of PVDF–ZnO/Cu Nanofibers Prepared by Electrospinning Technique	Polymer-Plastics Technology and Materials	Jun 2022	Q2	2.371	Materials Science and Engineering
288	BL8: XAS	Saisopa, T.	Bootchanont, A., Wattanawikkam, C., Porjai, P., Sailuam, W., <u>Busayaporn, W.</u> , <u>Saiyasombat, C.</u> , <u>Kidkhunthod, P.</u> , Borsup, J., Songsiriritthigul, P., Jiamprasertboon, A., Lertvanithphol, T., Horprathum, M., Pengsri, P. and Saisopa, T.	Characterization of Structural Orientation and Optical Properties of Al and Cr in Rubies	Radiation Physics and Chemistry 199 (Oct 2022): 110315	Jun 2022	Q2	2.858	Earth Science, Archeology and Gemology
289	BL8: XAS	Cuong, N. D., Tran, P. D.	Cuong, N. D., Tran, T. D., Nguyen, Q.T., Van Minh Hai, H., Hoa, T. T., Quang, D.T., <u>Klysubun, W.</u> and Tran, P. D.	Highly Porous Co-Doped NiO Nanorods: Facile Hydrothermal Synthesis and Electrocatalytic Oxygen Evolution Properties	Royal Society Open Science 8 (2021): 202352	Aug 2021	Q1	5.816	Chemistry
290	BL8: XAS	Remonsellez, F. and Bol, R.	Fuentes, B., Choque, A., Gomez, F., Alarcon, J., Castro-Nallar, E., Arenas, F., Contreras, D., Morchen, R., Amelung, W., Knief, C., Moradi, G., Klumpp, E., Saavedra, C. P., Prietzel, J., Klysubun, W., Remonsellez, F. and Bol, R.	Influence of Physical-Chemical Soil Parameters on Microbiota Composition and Diversity in a Deep Hyperarid Core of the Atacama Desert	Frontiers in Microbiology 12 (2022): 794743	Feb 2022	Q1	5.64	Earth Science, Archeology and Gemology
291	BL8: XAS	Tantirungrotechai, J.	Kanarat, J., Bunchuay, T., <u>Klysubun, W.</u> and Tantirungrotechai, J.	Cu2O-CuO/Chitosan Composites as Heterogeneous Catalysts for Benzylic C—H Oxidation at Room Temperature	ChemCatChem 13 (Nov 2021): 4833-4840	Sep 2021	Q1	5.686	Chemistry
292	BL8: XAS	Srifa, A.	Kalong, M., Srifa, A., Hongmanorom, P., <u>Cholsuk, C.</u> , <u>Klysubun, W.</u> , Ratchahat, S., Koo-amornpattana, W., Khemthong, P., Assabumrungrat, S. and Kawi, S.	Catalytic Transfer Hydrogenation of Furfural to Furfuryl Alcohol and 2-Methylfuran over CuFe Catalysts: Ex Situ Observation of Simultaneous Structural Phase Transformation	Fuel Processing Technology 231 (Jun 2022): 107256	Mar 2022	Q1	7.033	Chemistry
293	BL8: XAS	Pratapa, S.	Latif, C., Firdausi, A., Nihlatunnur, N., <u>Saiyasombat, C.</u> , <u>Klysubun, W.</u> , Subhan, A., Zainuri, M. and Pratapa, S.	Synchrotron Crystal and Local Structures, Microstructure, and Electrical Characterization of Cudoped LiFePO4/C via Dissolution method with Ironstone as Fe Source	Journal of Materials Science: Materials in Electronics 33 (2022): 17722-32	Jul 2022	Q2	2.478	Materials Science and Engineering
294	BL8: XAS	Loan, T. T.	Loan, T. T., Huy, D. K., Duong, N. P., Hoan, T. D., <u>Soontaranon, S.</u> and <u>Klysubun, W.</u>	Facile Synthesis and Characterization of ZnFe2O4/ZnO Nanocomposite: An Insight Into Structure and Formation	Radiation Physics and Chemistry 193 (Apr 2022): 109977	Jan 2022	Q2	2.858	Materials Science and Engineering
295	BL8: XAS	Wattanawikkam, C.	Mekprasart, W., Pavasupree, S., Jayasankar, C.K., Ravuri, B.R., Wattanawikkam, C. and Pecharapa, W.	Characterization, X-ray Absorption Spectroscopic Analysis and Photocatalytic Activity of Co/Zn Co-Doped TiO2 Nanoparticles Synthesized by One-Step Sonochemical Process	Crystals 11 (2021): 1254	Oct 2021	Q2	2.589	Chemistry
296	BL8: XAS	Negassa, W.	Negassa, W., <u>Klysubun, W.</u> and Leinweber, P.	Sulfur Speciation in Drained and Restored Minerotrophic Peatland Types of Northeastern Germany	Journal of Environmental Management 316 (Aug 2022): 115282	May 2022	Q1	6.789	Earth Science, Archeology and
	BL8: XAS	Ngo, T. H. A., Tran, D. T.	Ngo, T. H. A., Nguyen, T. D., Nguyen, V. d. and Tran, D. T.	Improvement in Anti-Biofouling Property of Polyamide Thin-Film Composite Membranes by using Copper Nanoparticles	Journal of Applied Polymer Science 139 (Aug 2022): e52739	Jun 2022	Q2	3.125	Biological and Life Science

297	BL8: XAS	Lemercier, G., Tran, P. D. and Amiens, C.	Nguyen, Q. T., Rousset, E., Nguyen, V. T. H., Colliere, V., Lecante, P., <u>Klysubun, W.</u> , Philippot, K., Esvan, J., Respaud, M. Lemercier, G., Tran, P. D. and Amiens, C.	Covalent Grafting of Ruthenium Complexes on Iron Oxide Nanoparticles: Hybrid Materials for Photocatalytic Water Oxidation	ACS Applied Materials & Interfaces 13 (2021): 53829-53840	Nov 2021	Q1	9.229	Materials Science and Engineering
298	BL8: XAS	Ozkendir, O. M.	Özkendir, O. M., Cengiz, E., Karahan, I. H. and <u>Klysubun, W.</u>	Electronic Structure Study of Ni B Alloy Coatings by XAFS Technique	Journal of Electronic Materials 50 (2021): 7000-7004	Sep 2021	Q2	1.938	Materials Science and Engineering
299	BL8: XAS	Khunphonoi, R., Butburee, T.	Permporn, D., Khunphonoi, R., Wilamat, J., Khemthong, P., Chirawatkul, P., Butburee, T., Sangkhun, W., Wantala, K., Grisdanurak, N., Santatiwongchai, J., Hirunsit, P., <u>Klysubun, W.</u> and De Luna, M. D. G.	Insight into the Roles of Metal Loading on CO2 Photocatalytic Reduction Behaviors of TiO2	Nanomaterials 12 (2022): 474	Jan 2022	Q1	5.076	Chemistry
300	BL8: XAS	Padungthon, S.	Pranudta, A., Patra, S., Amonpattaratkit, P., <u>Klysubun, W.</u> , Saiyasombat, C., El-Moselhy, M. M., Nguyen, T. T. and Padungthon, S.	Immobilization of Arsenic in Wastewater from Regeneration of Fixed-Bed Adsorbent by Coprecipitation with Zirconium Nano-Sludge for Disposal in Landfills	Journal of Environmental Chemical Engineering 10 (Jun 2022): 107754	Apr 2022	Q1	5.909	Environmental Science
301	BL8: XAS	Prietzal, J.	Prietzal, J., Kruger, J., Kaiser, K., Amelung, W., Bauke, S. L., Dippold, M. A., Kandeler, E., <u>Klysubun, W.</u> , Lewandowski, H., Loppmann, S., Luster, J., Marhan, S., Puhlmann, H., Schmitt, M., Siegenthaler, M. B., Siemens, J., Spielvogel, S., Willbold, S., Wolff, J. and Lang, F.	Soil Phosphorus Status and P Nutrition Strategies of European Beech Forests on Carbonate Compared to Silicateparent Material	Biogeochemistry 158 (2022): 39-72	Feb 2022	Q1	4.825	Earth Science, Archeology and Gemology
302	BL8: XAS	Viravathana, P.	Phuakkhaw, D., Amonpattaratkit, P., <u>Klysubun, W.</u> , Saiwattanasuk, P., Midpanon, S., Porntheeraphat, S., Klamchuen, A., Wongchaisuwat, A., Sagawa, T. and Viravathana, P.	Cu- and Fe-Incorporated Manganese Oxides (MnxOy) as Cathodic Catalysts for Hydrogen Peroxide Reduction (HPR) and Oxygen Reduction (OR) in Micro-direct Methanol Fuel Cells	ChemElectroChem 9 (Jun 2022): e202200120	Jun 2022	Q2	4.59	Chemistry
303	BL8: XAS	Rusanova-Naydenova, D., Persson, I.	Rusanova-Naydenova, D., Trublet, M., <u>Klysubun, W.</u> , Cholsuk, C., Iuga, D., Dupree, R., Antzutkin, O. N. and Persson, I.	Synthesis and Structural Characterisation of Solid Titanium(IV) Phosphate Materials by Means of X-Ray Absorption and NMR Spectroscopy	Dalton Transactions 51 (2022); 8192-8207	May 2022	Q1	4.39	Materials Science and Engineering
304	BL8: XAS	Wisawapipat, W.	Saentho, A., Wisawapipat, W., Lawongsa, P., Aramrak, S., Prakongkep, N., <u>Klysubun, W.</u> and Christl, I.	Speciation and pH- and Particle Size-Dependent Solubility of Phosphorus in Tropical Sandy Soils	Geoderma 408 (Feb 2022): 115590	Nov 2021	Q1	6.114	Earth Science, Archeology and
305	BL8: XAS	Suwanpinij, P.	Suwanpinij, P. and Dickert, H. H.	A Control-Cooled Hot-Forged Medium Carbon V-Microalloyed Steel: Strengthening Breakdown in Conjunction with the Synchrotron X-Ray Absorption Spectroscopy	Steel Research International 93 (2022): 2100428	Feb 2022	Q1	2	Materials Science and Engineering
306	BL8: XAS	Songsrirote, K.	Tassanapukdee, Y., Prayongpan, P. and Songsrirote, K.	Removal of Heavy Metal Ions from an Aqueous Solution by CS/PVA/PVP Composite Hydrogel Synthesized using Microwaved-Assisted Irradiation	Environmental Technology & Innovation 24 (Nov 2021): 101898	Aug 2021	Q1	5.263	Chemistry
307	BL8: XAS	Tien, T. S.	Tien, T. S.	Effect of the Non-Ideal Axial ratio c/a on Anharmonic EXAFS Oscillation of h.c.p. Crystals	The Journal of Synchrotron Radiation 28 (2021): 1544-57	Aug 2021	Q1	2.616	Materials Science and Engineering
308	BL8: XAS	Tangcharoen, T., Kongmark, C.	Tangcharoen, T., <u>Klysubun, W.</u> and Kongmark, C.	Composition Dependence of Structural, Optical, Magnetic and Photodegradation Properties of Nanocrystalline NiO/CuO Heterostructured Powders	Physica Status Solidi (A) Applications and Materials Science 219 (Aug 2022): 2200072	Jun 2022	Q2	1..981	Materials Science and Engineering
309	BL8: XAS	Tangcharoen, T., Kongmark, C.	Tangcharoen, T.	Structural, Degree of Inversion, and Magnetron Number Studies on Fe3+-Substituted MAI2O4 (M = Ni, Cu, Zn) Spinel Powders: The Evidence for Local Site Exchange of Cation and Magnetization Increment	Physica Status Solidi (b) – Basic Solid State Physics	Jul 2022	Q3	1.71	Materials Science and Engineering
310	BL8: XAS	Ruksakulpiwat, Y.	Teamsinsungvon, A., Ruksakulpiwat, C., <u>Amonpattaratkit, P.</u> and Ruksakulpiwat, Y.	Structural Characterization of Titanium–Silica Oxide Using Synchrotron Radiation X-ray Absorption Spectroscopy	Polymers 14 (2022): 2729	Jul 2022	Q1	4.329	Materials Science and Engineering
311	BL8: XAS	Wisawapipat, W.	Tuntrachanida, J., Wisawapipat, W., Aramrak, S., Chittamart, N., <u>Klysubun, W.</u> , Amonpattaratkit, P., Duboc, O. and Wenzel, W. W.	Combining Spectroscopic and Flux Measurement Techniques to Determine Solid-Phase Speciation and Solubility of Phosphorus in Agricultural Soils	Geoderma 410 (Mar 2022): 115677	Dec 2021	Q1	6.114	Food and Agricultural Science
312	BL8: XAS	Tuyishime, J. R. M.	Tuyishime, J. R. M., Adediran, G. A., Olsson, B. A., Spohn, M., Hillier, S., <u>Klysubun, W.</u> and Gustafsson, J. P.	Phosphorus Abundance and Speciation in Acid Forest Podzols – Effect of Postglacial Weathering	Geoderma 406 (Jan 2022): 115500	Sep 2021	Q1	6.114	Environmental Science
313	BL8: XAS	Tuyishime, J. R. M.	Tuyishime, J. R. M., Adediran, G. A., Olsson, B. A., Zetterberg, T. S., Høgbom, L., Spohn, M., Lim, H., Klysubun, W., Borca, C. N., Huthwelker, T. and Gustafsson, J. P.	Phosphorus Speciation in the Organic Layer of Two Swedish Forest Soils 13–24 Years After Wood Ash and Nitrogen Application	Forest Ecology and Management 521 (Oct 2022): 120432	Jul 2022	Q1	3.558	Earth Science, Archeology and Gemology
314	BL8: XAS	Barpanda, P.	Vanam, S. P., Senthilkumar, B., Amonpattaratkit, P. and Barpanda, P.	Manganese-Based Tunnel-Type Cathode Materials for Secondary Lilon and K Ion Batteries	Inorganic Chemistry 61 (2022): 3959-3969	Feb 2022	Q1	5.165	Materials Science and Engineering
315	BL8: XAS	Hung, N. V.	Vuong, D. Q., Hung, N. V. and Toan, N. C.	Anharmonic Effects and EXAFS of hcp Crystals Studied Based on High-Order Expanded Debye-Waller Factors Including Dispersion Effects	Physica B: Physics of Condensed Matter 639 (Aug 2022); 413966	Apr 2022	Q2	2.436	Physics
316	BL8: XAS	Panpranot, J.	Watmanee, S., Nganglumpoon, R., Hongrutai, N., Pinthong, P., Praserttham, P., <u>Wannapaiboon, S.</u> , Szilagyi, P. A., Morikawa, Y. and Panpranot, J.	Formation and Growth Characteristics of Nanostructured Carbon Films on Nascent Ag Clusters During Room-Temperature Electrochemical CO2 Reduction	Nanoscale Advances 4 (2022): 2255-2267	Mar 2022	Q1	4.553	Surface, Interface and Thin Films
317	BL8: XAS	Choojun, K., Sooknoi, T.	Yotkkham, N., Choojun, K., Promchana, P., Fan, X. and Sooknoi, T.	Higher Alcohol Production from Ethanol over Occluded [Mg4(OH)4]4+ Clusters in MgO/KNaX	Applied Catalysis A: General 632 (Feb 2022): 118502	Jan 2022	Q1	5.706	Chemistry
318	CSEc	Saisopa, T.	Bootchanont, A., Wattanawikkam, C., Porjai, P., Sailuam, W., <u>Busayaporn, W.</u> , <u>Saiyasombat, C.</u> , <u>Kidkhunthod, P.</u> , Borsup, J., Songsiriritthigul, P., Jiamprasertboon, A., Lertvanithphol, T., Horprathum, M., Pengsri, P. and Saisopa, T.	Characterization of Structural Orientation and Optical Properties of Al and Cr in Rubies	Radiation Physics and Chemistry 199 (Oct 2022): 110315	Jun 2022	Q2	2.858	Earth Science, Archeology and Gemology
319	CSEc	Sailuam, W.	Saisopa, T., Nualchimlee, C., Rattanachai, Y., Seehamart, K., Kotutha, I., Boonkaung, a. and Sailuam, W.	First Principles Study of Elastic Properties, Mechanical Properties and Electronic Band Structures of LiGaO2 Phases	Integrated Ferroelectrics 223 (2022): 68-80	May 2022	Q3	0.836	Physics
320	CSEc	Thongsri, J.	Srathonghuam, K., Wonganu, B., Busayaporn, W. and Thongsri, J.	Vibration Analysis and Development of a Submersible Ultrasonic Transducer for an Application in the Inhibitory Activity of Pathogenic Bacteria	IEEE Access 9 (2021): 142362-373	Oct 2021	Q1	3.367	Biological and Life Science
321	CSEc	Ektarawong, A.	Tsuppayakorn-aek, P., Ektarawong, A., Sukmas, W., Alling, B. and Bovornratanaraks, T.	Thermodynamic Stability and Superconductivity of Tantalum Carbides from First-Principles Cluster Expansion and Isotropic Eliashberg Theory	Computational Materials Science 202 (Feb 2022): 111004	Nov 2021	Q1	3.3	Materials Science and Engineering
322	CSEc	Suthirakun, S.	Ngamwongwan, L., Fongkaew, I., Jungthawan, S., Hirunsit, P., Limpijumnong, S. and Suthirakun, S.	Electronic and Thermodynamic Properties of Native Point Defects in V2O5: a First-Principles Study	Physical Chemistry Chemical Physics 23 (2021): 11374	Feb 2021	Q1	3.676	Physics
323	CSEc	Phacheerak, K.	Phacheerak, K., Thanomngam, P. and Limpijumnong, S.	Effect of Pressure on Structural and Elastic Properties of SnSe: First-Principles Calculations	Solid State Communications 342 (Feb 2022): 114596	Nov 2021	Q2	1.804	Materials Science and Engineering
324	CSEc	Thongsri, J.	Thongsri, J., Tangsopa, W., Kaewbumrung, M., Phanak, M. and <u>Busayaporn, W.</u>	Derosion Lattice Performance and Optimization in Solving an End Effect Assessed by CFD: A Case Study in Thailand's Beach	Water 14 (2022): 1358	Apr 2022	Q4	3.103	Earth Science, Archeology and Gemology

325	CSEc	Bootchanont, A.	Wattanawikkam, C., Bootchanont, A., Porjai, P., Jetjamnong, C., Kowong, R., Lertvanithphol, T., Chananonnawathorn, C., <u>Chirawatkul, P., Chanlek, N., Nakajima, N., Songsiriritthigul, P.,</u> Kiama, N., Nareejun, W., Tomkham, P., <u>Ponchio, C., Rahong, S., Kluamchuen, A. and Horprathum, M.</u>	Phase Evolution in Annealed Ni-doped WO3 Nanorod Films Prepared via a Glancing Angle Deposition Technique for Enhanced Photoelectrochemical Performance	Applied Surface Science 584 (May 2022): 152581	Jan 2022	Q1	6.707	Surface, Interface and Thin Films
326	Lab	Phungsai, P.	Chantarasrisuriyawong, T., Praser, T., Yuthawong, V. and Phungsai, P.	Changes in Molecular Dissolved Organic Matter and Disinfection by-Product Formation During Granular Activated Carbon Filtration by Unknown Screening Analysis with Orbitrap Mass Spectrometry	Water Research 211 (Mar 2022): 118039	Jan 2022	Q1	11.236	Environmental Science
327	Lab	Phungsai, P.	Somboot, P., Thuangchon, S., Phungsai, P. and Ratpukdi, T.	Application of Amberlite and Magnetic Ion-Exchange Resins for Dissolved Organic Matter Removal in Sugar Mill Effluent	Engineering and Applied Science Research 49 (2022): 103-111	Aug 2021	Q3	0.79	Materials Science and Engineering
328	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	Feb 2021	Q1	5.076	Biological and Life Science
329	Lab	Siripattanakul-Ratpukdi, S.	Youngwilai,A., Phungsai, P., Supanchaiyamat, N., Hunt, A. J., Ngernyen,Y., Ratpukdi, T., Khan, E. and Siripattanakul-Ratpukdi, S.	Characterization of Dissolved Organic Carbon and Disinfection by-products in Biochar Filter Leachate using Orbitrap Mass Spectrometry	Journal of Hazardous Materials 424 (Feb 2022): 127691	Oct 2021	Q1	10.588	Environmental Science
330	Others	Lai, R. Y.	Worakaensai, S., Kluaiphanngam, S.,Wet-osot, S., Charoenwattanasatien, R. Ngivprom, U., Duangkamol, C., Kamkaew, A. and Lai, R.-Y.	Design of a Surrogate for High Throughput Screening of Fatty Aldehyde Reductase Engineering	Chemical Communications journal 57 (2021): 13373-13376	Nov 2021	Q1	6.222	Materials Science and Engineering
Pending									
		Chapter book	Chatree Saiyasombat, Prae Cbirawatkul, Suittipong Wannapaiboon, Catleya Rojviriya, Siriwat Soontaranon, Nuntaporn Kamonsutthipajit, Sirinart Chio-Srichan, Chanan Euaruksakul, Nichada Jearanaikoon	Materials Characterization Using Advanced Synchrotron Radiation Techniques for Antimicrobial Materials					
		BL5.2	Xiaolong He, Qi Yan, Haiyan He, Jian Shang, Xiaolong Zhou, Narong Chanlek, Sarayut Tunmee, Pinit Kidkhunthod, Wenjiao Yao, Yongbing Tang	A Vanadium-Based Fluoroxide Cathode Material for Lithium-Ion Storage with High Energy Density					
		BL5.3-BL7.2	Jae-Hyeok Park, Takeshi Hagio, Supinya Nijpanich, Narong Chanlek, Jitrin Chaiprapa, Chomphunuch Songsiriritthigul, Prayoon Songsiriritthigul and Ryoichi Ichino	Electrodeposition of Amorphous Molybdenum Oxide on Iron-Group Element Based Plating and its Novel Application as a Corrosion Protective Coating	Journal of The Electrochemical Society 169 (2022): 072503				Surface
		CSEc	W Thajitr, W Busayaporn, D P Rai and W Sukkabot	Modulation of electronic and magnetic properties of MoX2 (X = S and Se) monolayer via mono- and co-transition metal dopants: Spin density functional theory	Physica Scripta				
		BL3.2U		Origin of Hole-Trapping States in Solution-Processed Copper(I) Thiocyanate (CuSCN) and Defect-Healing by I2 Doping					