

| No. | BL          | CA:Corresponding Author       | Author                                                                                                                                                                                                 | Title                                                                                                                                                  | Source                                                                        | Quar | DB  | IF2018 |
|-----|-------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------|-----|--------|
| 1   | BL1.1W: MXT | Kadja, G. T. M. , Ismunandar  | Ilmi, M. M., Nurdini, N., Maryanti, E., <u>Saiyasombat, C.</u> , Setiawan, P., Kadja, G. T. M. , Ismunandar                                                                                            | Multi-Analytical Characterizations of Prehistoric Rock Art Pigments from Liang Karim Cave, Sangkulirang-Mangkalihat site, East Kalimantan, Indonesia   | Microchemical Journal                                                         | Q2   | ISI | 3.206  |
| 2   | BL1.1W: MXT | Horike, S., Kongpatpanich, K. | Jumpathong, W., Pila, T., Lekjing, Y., <u>Chirawatkul, P.</u> , Boekfa, B., Horike, S. and Kongpatpanich, K.                                                                                           | Exploitation of Missing Linker in Zr-Based Metal-Organic Framework as the Catalyst Support for Selective Oxidation of Benzyl Alcohol                   | APL Materials 7 (Nov 2019): 111109                                            | Q1   | ISI | 4.296  |
| 3   | BL1.1W: MXT | Poo-arporn, Y., Duangnil. S.  | <u>Poo-arporn. Y., Duangnil. S., Bamrungkoh. D., Klangkaew. P., Huasranoi. C., Pruekthaisong. P., Boonsuya. S., Chaiprapa. J., Ruangvittayanon. A. and Saisombat. C.</u> (Added name: Saiyasombat, C.) | Gas Tungsten Arc Welding of Copper to Stainless Steel for Ultra-High Vacuum Applications                                                               | Journal of Materials Processing Tech. 277 (Mar 2020): 116490                  | Q1   | ISI | 4.178  |
| 4   | BL1.1W: MXT | Adpakpang, K., Bureekaew, S.  | Pukdeejorhor, L., Adpakpang, K., Ponchai, P., <u>Wannapaiboon, S.</u> , Ittisanronnachai, S., Ogawa, M., Horike, S. and Bureekaew, S.                                                                  | Polymorphism of Mixed Metal Cr/Fe Terephthalate Metal-Organic Framework Utilizing Microwave Synthetic Method                                           | Crystal Growth & Design 19. 10 (2019): 5581-5591                              | Q1   | ISI | 4.135  |
| 5   | BL1.1W: MXT | Saminpanya, S.                | Saminpanya, S., <u>Saiyasombat, C., Chanlek, N.,</u> Thammajak, N., Sirisurawong, E., Viriyasunsakun, R., Kingkanlaya, P. and Rakponramuang, P.                                                        | Trace Elements Content and Cause of Color in Ancient Treated Carnelian and its Natural Counterpart from SE Asia                                        | Archaeological and Anthropological Sciences 12 (Jan 2020)                     | Q1   | ISI | 1.978  |
| 6   | BL1.1W: MXT | Saminpanya, S.                | Saminpanya, S., Saiyasombat, C., Thammajak, N., Samrong, C., Footrakul, S., Potisuppaiboon, N., Sirisurawong, E., Witchanantakul, T. and Rojviriya, C.                                                 | Shedding new Light on Ancient Glass Beads by Synchrotron, SeMeDS, and Raman Spectroscopy Techniques                                                    | Scientific Reports 9 (Nov 2019): 16069                                        | Q1   | ISI | 4.011  |
| 7   | BL1.1W: MXT | Swatsitang, E.                | Songwattanasin, P., Karaphun, A., Phokha, S., Hunpratub, S., Maensiri,, S., Amornkitbamrung,, V. and Swatsitang, E.                                                                                    | Influence of La Concentration on Structural, Morphological, Optical and Magnetic Properties of Sr1-x LaxTiO3 Nanopowders                               | Physica B: Physics of Condensed Matter 571 (Oct 2019): 213-221                | Q2   | ISI | 1.874  |
| 8   | BL1.1W: MXT | Wantala, K.                   | Suwannaruang , T., . Hildebrand, J. P., Taffa, D. H., Wark, M., <u>Kamonsuangkasem, K., Chirawatkul, P.</u> and Wantala, K.                                                                            | Visible Light-Induced Degradation of Antibiotic Ciprofloxacin Over Fe–N–TiO2 Mesoporous Photocatalyst with Anatase/Rutile/Brookite Nanocrystal Mixture | Journal of Photochemistry & Photobiology, A: Chemistry 391 (Mar 2020): 112371 | Q1   | ISI | 3.261  |
| 9   | BL1.1W: MXT | Siritanon, T.                 | Waechayee, A., Watthaisong, P., <u>Wannapaiboon, S., Chanlek, N., Nakajima, H.,</u> Wittayakun, J., Suthirakun, S. and Siritanon, T.                                                                   | Effects of Different Exchanging Ions on the Band Structure and Photocatalytic Activity of Defect Pyrochlore Oxide: A Case Study in KNbTeO6             | Catalysis Science & Technology 10 (2020): 978-992                             | Q1   | ISI | 5.726  |
| 10  | BL1.2: XRT  | Srinivasan, M.                | Kumar, S., Verma, V., Chua, R., Ren, H., <u>Kidkhunthod, P., Rojviriya, C., Sattayaporn, S.,</u> de Groot, F. M. F., Manalastas Jr., W. and Srinivasan, M.                                             | Multiscalar Investigation of FeVO4 Conversion Cathode for a Low Concentration Zn(CF3SO3)2 Rechargeable Zn-ion Aqueous Battery                          | Batteries & Supercaps                                                         | n/a  |     | n/a    |
| 11  | BL1.2: XRT  | Won-in, K.                    | Nimsuwan, N., Dutchaneephet, J., <u>Pakawanit, P.,</u> Dararutana, P. and Won-in, K.                                                                                                                   | Identification of Ancient Burial Ceramics from Ban Muang Bua, Northeastern Thailand using SEM-EDS and SR XTM                                           | Nontarat Nimsuwan et al. Malaysian Journal of Microscopy 15 (2019): 83-91     | Q4   | ISI | 0.152  |
| 12  | BL1.2: XRT  | Amnuaypanich, S.              | Rattanaumpa, T., Naowanon, W., Amnuaypanich, S. and Amnuaypanich, S.                                                                                                                                   | Polydimethylsiloxane Sponges Incorporated with Mesoporous Silica Nanoparticles (PDMS/H-MSNs) and Their Selective Solvent Absorptions                   | Industrial & Engineering Chemistry 58 (2019): 21142-54                        | Q1   | ISI | 3.375  |

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| 13 | BL1.2: XRT   | Saminpanya, S.     | Saminpanya, S., Saiyasombat, C., Thammajak, N., Samrong, C., Footrakul, S., Potisuppaiboon, N., Sirisurawong, E., Witchanantakul, T. and Rojviriya, C.                             | Shedding new Light on Ancient Glass Beads by Synchrotron, SeMeDS, and Raman Spectroscopy Techniques                                              | Scientific Reports 9 (Nov 2019): 16069                                     | Q1 | ISI | 4.011  |
| 14 | BL1.2: XRT   | Vittayakorn, N.    | Sriphan, S., Charoonsuk, T., Maluangnont, T., Pakawanit, P., Rojviriya, C. and Vittayakorn, N.                                                                                     | Multifunctional Nanomaterials Modification of Cellulose Paper for Efficient Triboelectric                                                        | Advanced Material Technologies                                             | Q1 | ISI | 3.585  |
| 15 | BL1.3W: SAXS | Darminto           | Baqiya, M. A., Nugraheni, A. Y., Islamiyah, W., Kurniawan, A. F., Ramli, M. M., Yamaguchi, S., Furukawa, Y., Soontaranon, S., Giri, E., Putra, R., Cahyono, Y., Risdiana, Darminto | Structural Study on Graphene-Based Particles Prepared from Old Coconut shell by Acid-Assisted Mechanical Exfoliation                             | Advanced Powder Technology                                                 | Q1 | ISI | 3.25   |
| 16 | BL1.3W: SAXS | Tantishaiyakul, V. | Boonrat, O., Tantishaiyakul, V., Hirun, N., Rugmai, S., Soontaranon, S.                                                                                                            | Structural Characterization Using SAXS and Rheological Behaviors of Pluronic F127 and                                                            | Polymer Bulletin                                                           | Q2 | ISI | 1.858  |
| 17 | BL1.3W: SAXS | Taufiq, A.         | Hariyanto, Y. A., Taufiq, A., Sunaryono and Soontaranon, S.                                                                                                                        | Investigation on the Three-Dimensional Nanostructure and the Optical Properties of Hydroxyapatite/Magnetite Nanocomposites Prepared              | Journal of the Korean Physical Society 75 (Nov 2019): 708-715              | Q3 | ISI | 0.63   |
| 18 | BL1.3W: SAXS | Thuy Nguyet, D. T. | Hoai Huong, V. T., Thuy Nguyet, D. T., Duong, N. P., Loan, T. T., Soontaranon, S. and Anh, L. D.                                                                                   | Magnetic Interactions and Spin-Wave Stiffness Constant of In-Substituted Yttrium Iron Garnets                                                    | Journal of Science: Advanced Materials and Devices                         | Q1 | ISI | 3.36   |
| 19 | BL1.3W: SAXS | Sahakaro, K.       | Fathurrohman, M. I., Rugmai, S., Hayeemasae, N. and Sahakaro, K.                                                                                                                   | Better Balance of silica-Reinforced Natural Rubber Tire Tread Compound Properties by the use of Montmorillonite with Optimum Surface Modifier    | Rubber Chemistry and Technology                                            | Q2 | ISI | 1.766  |
| 20 | BL1.3W: SAXS | Srichana, T.       | Kamlungmak, S., Dechraksa, J., Padmavathi, A. R., Sawatdee, S., Tinpun, K., Nakpheng, T. and Srichana, T.                                                                          | Lamellar Phase Behavior and Molecular Interaction of a Thermoresponsive Pluronic and Crosslinked Poly (vinyl alcohol) Hydrogel                   | Materials Today Communications 20 (2019): 100542                           | Q2 | ISI | 1.859  |
| 21 | BL1.3W: SAXS | Tongta, S.         | Keeratiburana, T., Hansen, A.R., Soontaranon, S., Blennow, A. and Tongta, S.                                                                                                       | Porous High Amylose Rice Starch Modified by Amyloglucosidase and Maltogenic -Amylase                                                             | Carbohydrate Polymers 230 (Feb 2020): 115611                               | Q1 | ISI | 6.044  |
| 22 | BL1.3W: SAXS | Blennow, A.        | Keeratiburana, T., Hansen, A. R., Soontaranon, S., Tongta, S. and Blennow, A.                                                                                                      | Porous Rice Starch Produced by Combined Ultrasound-Assisted Ice Recrystallization and Enzymatic Hydrolysis                                       | International Journal of Biological Macromolecules 145 (2020): 100-107     | Q1 | ISI | 4.784  |
| 23 | BL1.3W: SAXS | Abdul San, S. F.   | Mohd Sobri, S. N., Abdul San, S. F., Sabtu, S. N., Looi, L. M., Chiew, S. F., Pathmanathan, D., Chio-Srichan, S. and Bradley, D. A.                                                | Structural Studies of Epithelial Mesenchymal Transition Breast Tissues                                                                           | Scientific Reports 10 (Feb 2020): 1997                                     | Q1 | ISI | 4.011  |
| 24 | BL1.3W: SAXS | Tongta, S.         | Prompiputtanapon, K., Sorndech, W. and Tongta, S.                                                                                                                                  | Surface Modification of Tapioca Starch by using the Chemical and enzymatic Method                                                                | Starch Starke                                                              | Q1 | ISI | 15.804 |
| 25 | BL1.3W: SAXS | Putra, E.G.R.      | Ramadani, A.I.W.S., Pamungkas, N.S., Putrisetya, N.A., Prihatiningsih, M.C., Permatasari, M.D, Nugroho, A.A., Suyanta, S., Patriati, A., Soontaranon, S. and Putra, E.G.R.         | Ordered Structure Analysis of Prepared Mesoporous Silica Using Small Angle X-Ray Scattering                                                      | Atom Indonesia 46 (2020): 11 - 17                                          | Q4 | SJR | 0.155  |
| 26 | BL1.3W: SAXS | Tongta, S.         | Sarifudin, A., Soontaranon, S., Peerapattana, J. and Tongta, S.                                                                                                                    | Mechanical Strength, Structural and Hydration Properties of Ethanol-Treated Starch Tablets and their Impact on the Release of Active Ingredients | International Journal of Biological Macromolecules 149 (Apr 2020): 541-551 | Q1 | ISI | 4.784  |
| 27 | BL1.3W: SAXS | Kulchat, S.        | Talodthaisong, C., Boonta, W., Thammawithan, S., Patramanon, R., Kamonsutthipajit, N., Hutchison, J.A. and Kulchat, S.                                                             | Composite Guar Gum-Silver Nanoparticle Hydrogels as Self-Healing, Injectable, and Antibacterial Biomaterials                                     | Materials Today Communications 24 (Sep 2020): 100992                       | Q2 | ISI | 1.859  |
| 28 | BL1.3W: SAXS | Kanjanaboos, P.    | Swe, K. Z., Naikaew, A., Kaewurai, P., Pansa-ngat, P., Sahasithiwat, S., Kangkaew, L., Rugmai, S., Soontaranon, S. and Kanjanaboos, P.                                             | Layered Perovskite with Compact Morphology and Reduced Grain Size via Vacuum Assisted Crystallization for Luminescence Applications              | Optical Materials Express 10 (May 2020): 1182                              | Q1 | ISI | 2.673  |

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| 29 | BL2.2: TRXAS | Chanapatttharapol, K.C.       | Chanapatttharapol, K.C., Krachumram, S., <u>Kidkhunthod, P.</u> and <u>Poo-arporn, Y.</u>                                                                                                                                                           | The Effect of Sm Addition on Structure, Redox Properties and Catalytic Activities for Water Gas Shift Reaction of Ceria-Based Support                                                  | Solid State Sciences 99 (Jan 2020): 106066                 | Q2  | ISI | 1.861                    |
| 30 | BL2.2: TRXAS | Meethong, N., Limthongkul, P. | Kaewmala, S., Wiriya, N., Chantrasuwan, P., Yordsri, V., <u>Limphirat, W.</u> , Muhammad, S., Yoon, W. S., Nash, J., Srilomsak, S., Limthongkul, P. and Meethong, N.                                                                                | A Multiscale Investigation Elucidating the Structural Complexities and Electrochemical Properties of Layered-Layered Composite Cathode Materials Synthesized at Low Temperatures       | Physical Chemistry Chemical Physics                        | Q1  | ISI | 3.567                    |
| 31 | BL2.2: TRXAS | Meethong, N.                  | Kaewmala, S., Yordsri, V., <u>Limphirat, W.</u> , Nash, J., Srilomsak, S., Limthongkul, P. and Meethong, N.                                                                                                                                         | Rate Dependent Structural Transition and Cycling Stability of a Lithium-Rich Layered Oxide Material                                                                                    | Physical Chemistry Chemical Physics 21 (2019): 21984-21990 | Q1  | ISI | 3.567                    |
| 32 | BL2.2: TRXAS | Pinitsoontorn, S.             | Leamviteevanich, P., Palaporn, D., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , Mongkolthanasak, W., Eichhorn, S. J. and Pinitsoontorn, S.                                                                                                          | Carbon Nanofiber Aerogel/Magnetic Core-Shell Nanoparticle Composites as Recyclable Oil Sorbents                                                                                        | ACS Applied Nano Materials                                 | n/a |     | n/a<br>newjou<br>r. 2018 |
| 33 | BL2.2: TRXAS | Poo-arporn, Y                 | <u>Limphirat, W.</u> , Wiriya, N., <u>Tonlublao, S.</u> , <u>Chaichoy, S.</u> , <u>Pruekthaisong, P.</u> , Duandmanee, S., Kamonpha, P., Kaewsuwan, D., Meethong, N., Poo-arporn, R.P., Songsiriritthigul, P., Hormes, J. and <u>Poo-arporn, Y.</u> | The Current Status of Time-Resolved XAS Beamline at SLRI and Application on in Situ Experiments                                                                                        | Radiation Physics and Chemistry 171 (Jun 2020): 108750     | Q2  | ISI | 1.984                    |
| 34 | BL2.2: TRXAS | Witoon, T.                    | Numpilai, T., <u>Chanlek, N.</u> , <u>Poo-Arpon, Y.</u> , Cheng, C. K., Siri-Nguan, N., Sornchamni, T., Chareonpanich, M., Kongkachuichay, P., Yigit, N., Rupprechter, G., Limtrakul, J. and Witoon, T.                                             | Tuning Interactions of Surface-Adsorbed Species Over Fe-Co/K-Al <sub>2</sub> O <sub>3</sub> Catalyst by Different K Contents: Selective CO <sub>2</sub> Hydrogenation to Light Olefins | ChemCatChem                                                | Q1  | ISI | 4.803                    |
| 35 | BL2.2: TRXAS | Witoon, T.                    | Temvutirojn, C., <u>Poo-arporn, Y.</u> , <u>Chanlek, N.</u> , Cheng, C. K., Chong, C. C., Limtrakul, J. and Witoon, T.                                                                                                                              | Role of Calcination Temperatures of ZrO <sub>2</sub> Support on Methanol Synthesis from CO <sub>2</sub> Hydrogenation at High Reaction Temperatures over ZnO x/ZrO <sub>2</sub>        | Industrial & Engineering Chemistry Research                | Q1  | ISI | 3.375                    |
| 36 | BL3.2Ua: PES | Akasaka< H.                   | Akasaka, H., <u>Tunmee, S.</u> , Rittihong, U., Tomidokoro, M., <u>Euaruksakul, C.</u> , Norizuki, S., <u>Supruangnet, R.</u> , <u>Nakajima, H.</u> , Hirata, Y. and Ohtake                                                                         | Thermal Decomposition and Structural Variation by Heating on Hydrogenated Amorphous Carbon Films                                                                                       | Diamond & Related Materials 101 (2020): 107609             | Q1  | ISI | 2.29                     |
| 37 | BL3.2Ua: PES | Al-Masoodi, A. H. H.          | Al-Masoodi, A. H. H., Nazarudin, N. F. F. B., <u>Nakajima, H.</u> , <u>Tunmee, S.</u> , Goh, B. T. and Majid, W. H. B. A.                                                                                                                           | Controlled Growth of Silver Nanoparticles on Indium Tin Oxide Substrates by Plasma-Assisted Hot-Filament Evaporation: Physical Properties, Composition, and Electronic Structure       | Thin Solid Films 693 (Jan 2020): 137686                    | Q2  | ISI | 1.939                    |
| 38 | BL3.2Ua: PES | Kidkhunthod, P.               | Chunjaemsri, T., <u>Chanlek, N.</u> , Sukkha, U., <u>Nakajima, H.</u> , Rujirawat, S., Yimnirun, R. and <u>Kidkhunthod, P.</u>                                                                                                                      | Synchrotron-Based NEXAFS Analysis of Thermal-Treated Diamond-Like Carbon Films                                                                                                         | Radiation Physics and Chemistry                            | Q2  | ISI | 1.984                    |
| 39 | BL3.2Ua: PES | Ekanayake, P.                 | Don, M. F., Ekanayake, P., <u>Nakajima, H.</u> , Mahadi, A. H., Lim, C. M. and Atod, A.                                                                                                                                                             | Acetylene Carbon Black-Graphite Composite as Low-Cost and Efficient Counter Electrode for Dye-Sensitized Solar Cells (DSSCs)                                                           | Ionics 25 (Nov 2019): 5585-93                              | Q2  | ISI | 2.289                    |
| 40 | BL3.2Ua: PES | Eiamchai, P.                  | Eiamchai, P., Chananonnawathorn, C., Horprathum, M., Patthanasettakul, V., Limwichean, S. and Nuntawong, N.                                                                                                                                         | Spatial Elemental Investigations in Nanostructured Alloyed Ag/Au SERS Substrates by Magnetron Sputtering Oblique-Angle Co-Deposition Towards Increased Performance and Shelf Life      | Applied Surface Science 513 (May 2020): 145748             | Q1  | ISI | 5.155                    |
| 41 | BL3.2Ua: PES | Vas-Umnuay, P.                | Kumnorkaew, P., Rattanawichai, N., Ratanatawanate, C., Yoriya, S., Lohawet, K., Zhao, Y. and Vas-Umnuay, P.                                                                                                                                         | Influence of PbS Quantum Dots-Doped TiO <sub>2</sub> Nanotubes in TiO <sub>2</sub> Film as an Electron Transport Layer for Enhanced Perovskite Solar Cell                              | IEEE Journal of Photovoltaics 10 (Jan 2020): 287-295       | Q1  | ISI | 3.398                    |

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| 42 | BL3.2Ua: PES | Lertvanithphol, T., Horprathum, M. | Lertvanithphol, T., Rakreungdet, W., Chananonwathorn, C., Eiamchai, P., Limwichean, S., Nuntawong, N., Patthanasettakul, V., Klamchuen, A., Khemasiri, N., Nukeaw, J., Seawsakul, K., <u>Songsiriritthigul, C.</u> , <u>Chanlek, N.</u> , <u>Nakajima, H.</u> , <u>Songsiriritthigul, P.</u> and Horprathum, M. | Spectroscopic Study on Amorphous Tantalum Oxynitride Thin Films Prepared by Reactive Gas-Timing RF Magnetron Sputtering                                 | Applied Surface Science 492 (Oct 2019): 99-107                    | Q1 | ISI | 5.155 |
| 43 | BL3.2Ua: PES | Rameshkumar, P.                    | Lim, S. P., Shahid, M. M., Rameshkumar, P., Huang, N. M. and Che, L.                                                                                                                                                                                                                                            | Amperometric Detection of Hydrogen Peroxide and its Density Functional Theory for Adsorption on Ag/TiO2 Nanohybrid                                      | Journal of Materials Science: Materials in Electronics            | Q2 | ISI | 2.195 |
| 44 | BL3.2Ua: PES | Songsiriritthigul, P.              | Lomon, J., Saisopa, T., Poolcharuansin, P., Pasaja, N., Chingsungnoen, A., <u>Supruangnet, R.</u> , <u>Nakajima, H.</u> , <u>Chanlek, N.</u> and Songsiriritthigul, P.                                                                                                                                          | Effect of Surface Contamination on XANES Analysis of DLC Films                                                                                          | Radiation Physics and Chemistry 171 (2020): 108752                | Q2 | ISI | 1.984 |
| 45 | BL3.2Ua: PES | Azman, S.                          | Mahat, M. R., Talik, N. A., Abd Rahman, M. N., Anuar, M. A., Allif, K., Azman, S., <u>Nakajima, H.</u> and Abd Majid, W. H.                                                                                                                                                                                     | Electronic Surface, Optical and Electrical Properties of p – GaN Activated via In-situ MOCVD and Ex-situ Thermal Annealing in InGaN/GaN LED             | Materials Science in Semiconductor Processing 106 (2019): 104757. | Q2 | ISI | 2.722 |
| 46 | BL3.2Ua: PES | Fen, W. F.                         | Mohd Daniyal, W M. E. M., Fen, W. F., Anas, N. A. A., Sheh Omar, N. A., Ramdzan, N. S. M., <u>Nakajima, H.</u> and Mahdi, M. A.                                                                                                                                                                                 | Enhancing the Sensitivity of a Surface Plasmon Resonance-Based Optical Sensor for Zinc Ion Detection by the Modification of a Gold Thin Film            | RSC Advances 9 (2019): 41729-36                                   | Q1 | ISI | 3.049 |
| 47 | BL3.2Ua: PES | Meevasana, W.                      | Nathabumroong, S., Eknapakul, T., Jaiban, P., Yotburut, B., Siroj, S., Saisopa, T., Mo, S. K., <u>Supruangnet, R.</u> , <u>Nakajima, H.</u> , Yimnirun, R., Maensiri, S. and Meevasana, W.                                                                                                                      | Interplay of Negative Electronic Compressibility and Capacitance Enhancement in Lightly-Doped Metal Oxide Bi0.95La0.05FeO3 by Quantum Capacitance Model | Scientific Reports 10 (2020): 5153                                | Q1 | ISI | 4.122 |
| 48 | BL3.2Ua: PES | Noothongkaew, S.                   | Pansri, S., <u>Supruangnet, R.</u> , <u>Nakajima, H.</u> , <u>Rattanasuporn, S.</u> and Noothongkaew, S.                                                                                                                                                                                                        | Band Offset Determination of p-NiO/n-TiO2 Heterojunctions for Applications in High-Performance UV Photodetectors                                        | Journal of Materials Science 55 (2020): 4332-44 Pub. Dec 2019     | Q1 | ISI | 3.442 |
| 49 | BL3.2Ua: PES | Oladijo, O. P.                     | Phiri, R. R., Oladijo, O. P., Akinlabi, E. T., <u>Rattanachata, A.</u> and Hajima, R. (Added name: Nakajima, H.)                                                                                                                                                                                                | Synchrotron Radiation Characterization of Magnetron Sputtered WC-Co Thin Films on Mild Steel Substrate                                                  | Materials Research Express 6 (2020): 126435                       | Q2 | ISI | 1.449 |
| 50 | BL3.2Ua: PES | Thurakitsee, T.                    | Thurakitsee, T., Kramberger, C., <u>Chanlek, N.</u> , <u>Supruangnet, R.</u> , Wisitsoraat, A., <u>Nakajima, H.</u> and Maruyama, S.                                                                                                                                                                            | The Influence of $\gamma$ -Irradiation on Nitrogen Configuration in Nitrogen-Doped Single-Walled Carbon Nanotubes                                       | Diamond & Related Materials 101 (2020): 107609                    | Q1 | ISI | 2.29  |
| 51 | BL3.2Ua: PES | Siritanon, T.                      | Waechayee, A., Wathaisong, P., <u>Wannapaiboon, S.</u> , <u>Chanlek, N.</u> , <u>Nakajima, H.</u> , Wittayakun, J., Suthirakun, S. and Siritanon, T.                                                                                                                                                            | Effects of Different Exchanging Ions on the Band Structure and Photocatalytic Activity of Defect Pyrochlore Oxide: A Case Study in KNbTeO6              | Catalysis Science & Technology 10 (2020): 978-992                 | Q1 | ISI | 5.726 |
| 52 | BL3.2Ua: PES | Woon, K. L.                        | Woon, K. L., Wong, W. S., <u>Chanlek, N.</u> , <u>Nakajima, H.</u> , <u>Tunmee, S.</u> , <u>Songsiriritthigul, C.</u> , Lee, V. S. and Songsiriritthigul, P.                                                                                                                                                    | Conformational Distortion in solution Processable PVK:TcTa Blends and the Effect on Extra Warm White Organic Phosphorescent Light Emitting Diodes       | Organic Electronics 74 (Nov 2019): 1-6                            | Q1 | ISI | 3.68  |
| 53 | BL3.2b: PEEM | Akasaka, H.                        | Akasaka, H., <u>Tunmee, S.</u> , Rittihong, U., Tomidokoro, M., <u>Euaruksakul, C.</u> , Norizuki, S., <u>Supruangnet, R.</u> , <u>Nakajima, H.</u> , Hirata, Y. and Ohtake                                                                                                                                     | Thermal Decomposition and Structural Variation by Heating on Hydrogenated Amorphous Carbon Films                                                        | Diamond & Related Materials 101 (2020): 107609                    | Q1 | ISI | 2.29  |
| 54 | BL3.2b: PEEM | Phung-on, I.                       | Phung-on, I., Khetsoongnoen, S., Srithorn, J., <u>Euaruksakul, C.</u> and <u>Photongkam, P.</u>                                                                                                                                                                                                                 | In-Situ Observation of Martensite Decomposition in HAZ of Cr-Mo Steel Weldment                                                                          | Engineering Journal 23. 5 (2019): 59-70                           | Q2 | SJR | 0.19  |

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| 55 | BL3.2b: PEEM | Cui, Y., Bao, X.        | Wei, W., Pan, J., <u>Euaruksakul, C.</u> , Yang, Y., Cui, Y., Fu, Q. and Bao, X.                                                                                            | Dynamic Observation of In-Plane h-BN/Graphene Heterostructures Growth on Ni(111)                                                                                                        | Nano Research                                                             | Q1 | ISI | 8.515 |
| 56 | BL4.1: IR    | Rimjaem, S.             | Kongmon, E., Jitvisate, M., Panchaisri, B., Techarang, J., <u>Thumanu, K.</u> and Rimjaem, S.                                                                               | Classification of Ion-Beam-Induced Traits in Thai Jasmine Rice Mutants using Synchrotron Radiation FTIR Microspectroscopy                                                               | Nuclear Inst. and Methods in Physics Research B 465 (2020): 37-41         | Q2 | ISI | 1.21  |
| 57 | BL4.1: IR    | Yongsawadigul, J.       | Kunyaboon, S., Thumanu, K., Park, J. W. and Yongsawadigul, J.                                                                                                               | Vibrational Spectroscopy and Biochemical Changes of Silver Carp as Related to Quality of Washed Mince                                                                                   | Journal of the Science of Food and Agriculture 99 (Nov 2019):             | Q1 | ISI | 2.422 |
| 58 | BL4.1: IR    | Lawongsa, P.            | Lawongsa, P., Somboon, S., Kamolmanit, B., Namanusart, W. and <u>Thumanu, K.</u>                                                                                            | The Appearance of Soil Organic Carbon Compositions for Short-Term Applications of Biochemical Contrasting Organic Residues using Synchrotronbased Fourier Transform Infrared            | Bioscience Research 17 (2020): 257-266                                    | Q4 | ISI | 0.33  |
| 59 | BL4.1: IR    | Lorthongpanich, C.      | Lorthongpanich, C., <u>Thumanu, K.</u> , Tangkiettrakul, K., Jiamvoraphong, N., Laowtammathron, C., Damkham, N., U-pratya, Y. and Issaragrisil, S.                          | YAP as a Key Regulator of Adipo-Osteogenic Differentiation in Human MSCs                                                                                                                | Stem Cell Research & Therapy 402 (2019)                                   | Q1 | ISI | 4.627 |
| 60 | BL4.1: IR    | Daduang, J.             | Maraming, P., Klaynongsruang, S., Boonsiri, P., Peng, S. F., Daduang, S., Leelayuwat, C., Pientong, C., Chung, J. G. and Daduang, J.                                        | The Cationic Cell-Penetrating KT2 Peptide Promotes Cell Membrane Defects and Apoptosis with Autophagy Inhibition in Human HCT 116 Colon                                                 | Journal of Cellular Physiology 234 (Dec 2019): 22116-22129                | Q2 | ISI | 4.522 |
| 61 | BL4.1: IR    | Choowongkamon, K.       | Tabtimmai, L., Srisook, P., Kuaprasert, B., Thumanu, K. and Choowongkamon, K.                                                                                               | FTIR Spectra Signatures Reveal Different Cellular Effects of EGFR Inhibitors on Non Small Cell Lung Cancer Cells (NSCLC)                                                                | Journal of Biophotonics (2019): e201960012                                | Q1 | ISI | 3.763 |
| 62 | BL4.1: IR    | Vasquez Jr., M. R.      | Taaca, K. L. M., <u>Nakajima, H.</u> , <u>Thumanu, K.</u> , <u>Janphuang, P.</u> , <u>Chanlek, N.</u> and Vasquez Jr., M. R.                                                | Spectroscopic Studies of Plasma-Modified Silver-Exchanged Zeolite and Chitosan Composites                                                                                               | Materials Chemistry and Physics                                           | Q2 | ISI | 2.781 |
| 63 | BL5.2: XAS   | Bongkarn, T.            | Bhupaijit, P., <u>Kidkhunthod, P.</u> , Gupta, S. K., Nuntawong, N., Prasertpalichat, S., Pinitsoontorn, S., Horprathum, M., Bongkarn, T.                                   | Phase Evolution, Microstructure, Electrical and Magnetic properties of BNKLT Ceramics with Fe3+ Substitution                                                                            | Physica Status Solidi a                                                   | Q2 | ISI | 1.606 |
| 64 | BL5.2: XAS   | Thongbai, P.            | Boonlakhorn, J., <u>Kidkhunthod, P.</u> and Thongbai, P.                                                                                                                    | Significantly Improved Giant Dielectric Response in Giant Dielectric Response in CaCu <sub>2</sub> .95Ni <sub>0.05</sub> Ti <sub>4</sub> -xGexO <sub>12</sub> (x = 0.05, 0.10) Ceramics | Materials Today Communications 21 (Dec 2019) 100633                       | Q2 | ISI | 1.859 |
| 65 | BL5.2: XAS   | Thongbai, P.            | Boonlakhorn, J., <u>Kidkhunthod, P.</u> and Thongbai, P.                                                                                                                    | Investigation of the Dielectric Properties and Nonlinear Electrical Response of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramics Prepared by a Chemical Combustion            | Journal of Materials Science: Materials in Electronics 31 (2020): 4511-19 | Q2 | ISI | 2.195 |
| 66 | BL5.2: XAS   | Pisitpipathsine, N.     | Bootchanont, A., Boonchuduang, T., Khamkongkao, A., Saisopa, T., Kantha, P., Pengpat, K., Pisitpipathsine, N., <u>Chanlek, N.</u> , <u>Kidkhunthod, P.</u> and Yimnirun, R. | Local Structure and Evolution of Phase Transformation in Bi <sub>0.4871</sub> Na <sub>0.4871</sub> La <sub>0.0172</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> Materials                  | Ceramics International 46 (Apr 2020): 5665-70                             | Q1 | ISI | 3.45  |
| 67 | BL5.2: XAS   | Kidkhunthod, P.         | Butnoi, P., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Maensiri, S. and <u>Kidkhunthod, P.</u>                                                                         | Structure-Function of Novel Glasses for Possibility as Cathode of Li-ion Battery: Lithium Manganese Borate Glasses                                                                      | Journal of Alloys and Compounds 809 (Nov 2019): 151811                    | Q1 | ISI | 4.173 |
| 68 | BL5.2: XAS   | Chanapatttharapol, K.C. | Chanapatttharapol, K.C., Krachumram, S., <u>Kidkhunthod, P.</u> and <u>Poo-arporn, Y.</u>                                                                                   | The Effect of Sm Addition on Structure, Redox Properties and Catalytic Activities for Water Gas Shift Reaction of Ceria-Based Support                                                   | Solid State Sciences 99 (Jan 2020): 106066                                | Q2 | ISI | 1.861 |
| 69 | BL5.2: XAS   | Hunpratub, S.           | Chullaphan, T., Phokha, S., Hunpratub, S., Chindaprasirt, P. and <u>Kidkhunthod, P.</u>                                                                                     | Dielectric, Ferroelectric, and Piezoelectric Properties of Lead-Free Ba <sub>0.95</sub> Ca <sub>0.05</sub> Ti <sub>1-x</sub> ZrxO <sub>3</sub> Ceramics                                 | Integrated Ferroelectrics 195 (2019): 70-80                               | Q3 | ISI | 0.486 |

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| 70 | BL5.2: XAS | Samart, C.          | Dinh Ngo, S., Tran, T. T. V., Kongparakul, S., Reubroycharoen, P., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Wang, J., Guan, G. and Samart, C.                          | Catalytic Pyrolysis of Napier Grass with Nickel-Copper Core-Shell Bi-Functional Catalyst                                                                                                                   | Journal of Analytical and Applied Pyrolysis 145 (Jan 2020): 104745 | Q1  | ISI | 3.47   |
| 71 | BL5.2: XAS | Kidkhunthod, P.     | Ekwongsa, C., Rujirawat, S., Butnoi, P., Vittayakorn, N., Suttapun, M., Yimnirun, R. and <u>Kidkhunthod, P.</u>                                                             | Temperature Dependent Local Structure of LiCoO <sub>2</sub> Determined by in-situ Co K-edge X-ray Absorption Fine Structure (EXAFS)                                                                        | Radiation Physics and Chemistry                                    | Q2  | ISI | 1.984  |
| 72 | BL5.2: XAS | Faungnawakij, K.    | Fang, C., Kuboon, S., Khemthong, P., Butburee, T., Chakthranont, P., Itthibenchapong, V., Kasamechonchung, P., Witoon, T. and Faungnawakij, K.                              | Highly Dispersed NiCu Nanoparticles on SBA-15 for Selective Hydrogenation of Methyl Levulinate to g-Valerolactone                                                                                          | International Journal of Hydrogen Energy                           | Q1  | ISI | 4.084  |
| 73 | BL5.2: XAS | Sawangphruk, M.     | Kalasina, S., Kongsawatvoragul, K., Phattharasupakun, N., Phattharaphuti, P. and Sawangphruk, M.                                                                            | Cobalt Oxysulphide/Hydroxide Nanosheets with Dual Properties Based on Electrochromism and a Charge Storage Mechanism                                                                                       | RSC Advances 10 (2020): 14154-14160                                | Q1  | ISI | 3.049  |
| 74 | BL5.2: XAS | Rujirawat, S.       | Kamonpha, P., Padchasri, J., Rujirawat, S., Sukkha, U., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> and Yimnirun, R.                                                        | Synthesis and Characterization of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and CH <sub>3</sub> NH <sub>3</sub> PbI(3-x)Cl <sub>x</sub> Perovskite Solar Cell                                       | Ferroelectrics 552 (2019): 192-198                                 | Q3  | ISI | 0.697  |
| 75 | BL5.2: XAS | Wattanakit, C.      | Ketkaew, M., Suttiapat, D., <u>Kidkhunthod, P.</u> , Witoon, T. and Wattanakit, C.                                                                                          | Nanoceria-Modified Platinum Supported on Hierarchical Zeolites for Selective Alcohol Oxidation                                                                                                             | RSC Advances 9 (2019): 36027-36033                                 | Q1  | ISI | 3.049  |
| 76 | BL5.2: XAS | Kalawa, O.          | Kawala, O., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Khajonrit, J. and Maensiri, S.                                                                                    | Synthesis and Electrochemical Properties of Polymer Solution Prepared MnCo <sub>2</sub> O <sub>4</sub> Nanoparticles                                                                                       | Ionics 26 (2020): 457-469                                          | Q2  | ISI | 2.289  |
| 77 | BL5.2: XAS | Sawangphruk, M.     | Kongsawatvoragul, K., Kalasina, S., <u>Kidkhunthod, P.</u> and Sawangphruk, M.                                                                                              | Charge Storage Mechanisms of Cobalt Hydroxide Thin Film in Ionic Liquid and KOH Electrolytes for Asymmetric Supercapacitors with Graphene Aerogel                                                          | Electrochimica Acta 324 (Nov 2019): 134854                         | Q1  | ISI | 5.383  |
| 78 | BL5.2: XAS | Sawangphruk, M.     | Kosasang, S., Gatemala, H., Ma, N., Chomkhuntod, P. and Sawangphruk, M.                                                                                                     | Trimetallic Spinel-Type Cobalt Nickel-doped Manganese Oxides as Bifunctional Electrocatalysts for Zn-air Batteries                                                                                         | Batteries & Supercaps                                              | n/a |     | n/a    |
| 79 | BL5.2: XAS | Srinivasan, M.      | Kumar, S., Verma, V., Chua, R., Ren, H., <u>Kidkhunthod, P.</u> , <u>Rojviriyā, C.</u> , <u>Sattayaporn, S.</u> , de Groot, F. M. F., Manalastas Jr., W. and Srinivasan, M. | Multiscalar Investigation of FeVO <sub>4</sub> Conversion Cathode for a Low Concentration Zn(CF <sub>3</sub> SO <sub>3</sub> ) <sub>2</sub> Rechargeable Zn-ion Aqueous Battery                            | Batteries & Supercaps                                              | n/a |     | n/a    |
| 80 | BL5.2: XAS | Li, L.              | Meng, L., Zhou, X., Wang, S., Zhou, Y., Tian, W., <u>Kidkhunthod, P.</u> , Tunmee, S., Tang, Y., Long, R., Xin, Y. and Li, L.                                               | A Plasma-Triggered O S Bond and P N Junction Near the Surface of a SnS <sub>2</sub> Nanosheet Array to Enable Efficient Solar Water Oxidation                                                              | Angewandte Chemie-International Edition 131 (2019): 2-10           | Q1  | ISI | 12.257 |
| 81 | BL5.2: XAS | Kidkhunthod, P.     | Montreeuppathum, A., <u>Kidkhunthod, P.</u> , Rujirawat, S., Yimnirun, R., Pinitsoontorn, S. and Maensiri, S.                                                               | Effect of Borate Glass Network to Electrochemical Properties: Manganese-doped Lithium Borate Glasses                                                                                                       | Radiation Physics and Chemistry 170 (May 2020): 108677             | Q2  | ISI | 1.984  |
| 82 | BL5.2: XAS | Sujaridworakun, P.  | Narkbuakaew, T. and Sujaridworakun, P.                                                                                                                                      | Role of Ag (0) Deposited on TiO <sub>2</sub> Nanoparticles for Superior Photocatalytic Performance Induced by Calcination                                                                                  | Optical Materials 98 (2019): 109407                                | Q1  | ISI | 2.687  |
| 83 | BL5.2: XAS | Witoon, T.          | Numpilai, T., <u>Kidkhunthod, P.</u> , Cheng, C.K., Wattanakit, C., Chareonpanich, M., Limtrakul, J. Witoon, T.                                                             | CO <sub>2</sub> Hydrogenation to Methanol at High Reaction Temperatures Over In <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> Catalysts: Influence of Calcination Temperatures of ZrO <sub>2</sub> Support | Catalysis Today                                                    | Q2  | ISI | 4.888  |
| 84 | BL5.2: XAS | Prasatkhetragarn, A | Prasatkhetragarn, A., Jutimoosik, J., Jantaratana, P., <u>Kidkhunthod, P.</u> , Yimnirun, R. and Ren, J.                                                                    | Identification of Barium-Site Substitution of BiFeO <sub>3</sub> -Bi <sub>0.5</sub> K <sub>0.5</sub> TiO <sub>3</sub> Multiferroic Ceramics: X-Ray Absorption Near Edge Spectroscopy                       | Radiation Physics and Chemistry 170 (May 2020): 108621             | Q2  | ISI | 1.984  |
| 85 | BL5.2: XAS | Kaewkhao, J.        | Rajaramakrishna, R., Ruangtaweep, Y., Sattayaporn, S., <u>Kidkhunthod, P.</u> , Kothan, J. and Kaewkhao, J.                                                                 | Structural Analysis and Luminescence Studies of Ce <sup>3+</sup> : Dy <sup>3+</sup> Co-Doped Calcium Zinc Gadolinium Borate Glasses using EXAFS                                                            | Radiation Physics and Chemistry                                    | Q2  | ISI | 1.984  |

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| 86 | BL5.2: XAS | Wittayakun, J.                    | Osakoo, N., Khemthong, P., Roessner, F., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Prayoonpokarach, S. and Wittayakun, J.                                           | Development and Characterization of Silica Supported Cobalt Oxides for Ethanol Oxidation Using Different Preparative Methods                                                       | Radiation Physics and Chemistry 171 (Jun 2020): 108718                      | Q2                    | ISI | 1.984  |
| 87 | BL5.2: XAS | Seko, N.                          | Othman, N. A. F., Selambakkannu, S., Tuan Abdullah, T. A., Hoshina, H., <u>Sattayaporn, S.</u> and Seko, N.                                                             | Selectivity of Copper by Amine-Based Ion Recognition Polymer Adsorbent with Different                                                                                              | Polymers 11 (Dec 2019): 1994                                                | Q1                    | ISI | 3.164  |
| 88 | BL5.2: XAS | Siritanon, T.                     | Phonsuksawang, P., Khajondetchairit, P., Butburee, T., <u>Sattayaporn, S.</u> , <u>Chanlek, N.</u> , Hirunsit, P., Suthirakun, S. and Siritanon, T.                     | Effects of Fe Doping on Enhancing Electrochemical Properties of NiCo2S4 Supercapacitor Electrode                                                                                   | Electrochimica Acta                                                         | Q1                    | ISI | 5.383  |
| 89 | BL5.2: XAS | Wittayakuna, J., Khemthongb, P.   | Rakmae, S., Osakoo, N., Pimsuta, M., Deekamwong, K., Keawkmay, C., Butburee, T., Faungnawakij, K., Geanter, C., Prayoonpokarach, S., Wittayakuna, J. and Khemthongb, P. | Defining Nickel Phosphides Supported on Sodium Mordenite for Hydrodeoxygenation of Palm Oil                                                                                        | Fuel Processing Technology 198 (2020): 106236                               | Q1                    | ISI | 4.507  |
| 90 | BL5.2: XAS | Srinivasan, M., Yan, Q.           | Ren, H., Sun, X., Du, C., Zhao, J., Liu, D., Fang, W., Kumar, S., Chua, R., Meng, S., <u>Kidkhunthod, P.</u> , Song, L., Li, S., Srinivasan, M. and Yan, Q.             | Amorphous Fe-Ni-P-B-O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction                                                                                        | ACS Nano 13 (Nov 2019): 12969-12979                                         | Q1                    | ISI | 13.903 |
| 91 | BL5.2: XAS | Siritapetawee, J.                 | Siritapetawee, J., Teamtisong, K., <u>Limphirat, W.</u> , <u>Charoenwattanasatien, R.</u> , Attarataya, J. and Mothong, N.                                              | Identification and Characterization of a Protease (EuRP-61) from Euphorbia Resinifera Latex                                                                                        | International Journal of Biological Macromolecules 145 (Feb 2020): 998-1007 | Q1                    | ISI | 4.784  |
| 92 | BL5.2: XAS | D'Elia, V.                        | Sodpiban, O., Gobbo, S. D., Barman, S., Aomchad, V., <u>Kidkhunthod, P.</u> , Ould-Chikh, S., Poater, A., D'Elia, V. and Basset, J. M.                                  | Synthesis of Well-Defined Yttrium-Based Lewis Acids by Capturing a Reaction Intermediate and Catalytic Application for Cycloaddition of CO2 to Epoxides under Atmospheric Pressure | Catalysis Science & Technology 9 (2019): 6152-6165                          | Q1                    | ISI | 5.726  |
| 93 | BL5.2: XAS | Tang, Y.                          | Song, T., Yao, W., <u>Kidkhunthod, P.</u> , Zheng, Y., Wu, N., Zhou, X., <u>Tunmee, S.</u> , <u>Sattayaporn, S.</u> and Tang, Y.                                        | A Low Cost and Environmental Friendly Mixed Polyanionic Cathode for Sodium Ion Storage                                                                                             | Angewandte Chemie-International Edition 59 (Jan 2020): 740-745              | Q1                    | ISI | 12.257 |
| 94 | BL5.2: XAS | Sudrajat, H.                      | Sudrajat, H., Babel, S., Phanthuwongpakdee, J. and Nguyen, T. K.                                                                                                        | Local Structure of Iron Oxide Sensitizing Nb2O5 Photocatalysts                                                                                                                     | Journal of Alloys and Compounds 806 (Oct 2019): 543-                        | Q1                    | ISI | 4.175  |
| 95 | BL5.2: XAS | Sumang, R.                        | Sumang, R., Thongmee, N., Bongkarn, T., Prasertpalichat, S., <u>Kidkhunthod, P.</u> , Yimnirun, R. and Vittayakorn, N.                                                  | Structural, Optical and Electrical Properties of the Microcrystalline Structure of (Ba1-xY2x/3)(Zr0.20Ti0.80)O3 Ceramics                                                           | Radiation Physics and Chemistry                                             | Q2                    | ISI | 1.984  |
| 96 | BL5.2: XAS | Kurosaki, K.                      | Tanusilp, S., Wongprakarn, S., Kidkhunthod, P., Ohishi, Y., Muta, H. and Kurosaki, K.                                                                                   | Beneficial Influence of Iodine Substitution 1 on the Thermoelectric properties of Mo3Sb7                                                                                           | Journal Applied Physics                                                     | Q2                    | ISI | 2.328  |
| 97 | BL5.2: XAS | Rujirawat, S.                     | Tharamas, R., Padchasri, J., Jutimoosik, J., Bootchanont, A., <u>Kidkhunthod, P.</u> , Ye, Z. G., Rujirawat, S. and Yimnirun, R.                                        | Effect of Temperature on Local Structure of Pb(Zr0.58Ti0.42)O3 Single Crystal                                                                                                      | Ferroelectrics 552 (Dec 2019): 192-198                                      | Q3                    | ISI | 0.697  |
| 98 | BL5.2: XAS | Srinivasan, M., Manalastas Jr, W. | Verma, V., Kumar, S., Manalastas Jr, W., Zhao, J., Chua, R., Meng, S., <u>Kidkhunthod, P.</u> and Srinivasan, M.                                                        | Layered VOPO4 as a Cathode Material for Rechargeable Zinc-Ion Battery: Effect of Polypyrrole Intercalation in the Host and Water Concentration in the Electrolyte                  | ACS Applied Energy Materials 2, 12 (2019): 8667-8674                        | ว. ธี<br>ของ<br>สำนัก |     |        |
| 99 | BL5.2: XAS | Meethong, N., Limphirat, W.       | Wiriya, N., Chantrasuwan, P., Kaewmala, S., Nash, J., Srilomsak, S., Meethong, N. and <u>Limphirat, W.</u>                                                              | Doping Effect of Manganese on the Structural and Electrochemical Properties of Li2FeSiO4 Cathode Materials for Rechargeable Li-Ion Batteries                                       | Radiation Physics and Chemistry (2020)                                      | Q2                    | ISI | 1.984  |
| ## | BL5.2: XAS | Maensiri, S.                      | Wongpratut, U., Tipsawat, P., Khajonrit, J., Swatsitang, E. and Maensiri, S.                                                                                            | Effect on Nickel and Magnesium on Electrochemical Performances of Partial Substitution in Spinel Ferrite                                                                           | Journal of Alloys and Compounds 831 (Aug 2020):                             | Q1                    | ISI | 4.175  |

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| ## | BL5.3: XPS | Supangat, S.      | Anuar, A., Ahmad Makinudin, A. H., Al-Zuhairi, O., Chanlek, N., Shuhaimi A., Bakar, A. and Supangat, A.                                                        | Growth of Semi-Polar GaN on m-plane Sapphire via In-Situ Multiple Ammonia Treatment (I-SMAT)                                                                                                                                           | Vacuum 174 (Apr 2020): 109208                                      | Q2  | ISI | 2.515  |
| ## | BL5.3: XPS | Thongbail, P.     | Boonlakhorn, J., Chanlek, N. and Thongbai, P.                                                                                                                  | Giant Dielectric Permittivity of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> via a Green Solution-Egg White Method                                                                                                               | Journal of Sol-Gel Science and Technology                          | Q2  | ISI | 1.986  |
| ## | BL5.3: XPS | Magaraphan, R.    | Boonpavanitchakul, K., Pimpha, N., Kangwansupamonkon, W. and Magaraphan, R.                                                                                    | Processing and Antibacterial Application of Biodegradable Sponge Nanocomposite Materials of Silver Nanoparticles and Silk Sericin                                                                                                      | European Polymer Journal 130 (2020): 109649                        | Q1  | ISI | 3.621  |
| ## | BL5.3: XPS | Magaraphan, R.    | Boonpavanitchakul, K., Jarussophon, S., Pimpha, N., Kangwansupamonkon, W. and Magaraphan, R.                                                                   | Silk Sericin as a Bio-initiator for Grafting from Synthesis of Polylactide via Ring-Opening                                                                                                                                            | European Polymer Journal 121 (2019): 109265                        | Q1  | ISI | 3.621  |
| ## | BL5.3: XPS | Kulchat, S.       | Boonta, W., Talodthaisong, C., Sattayaporn, S., Chaicham., Sahasithiwat, S., Kangkaew, L. and Kulchat, S.                                                      | The Synthesis of nitrogen and Sulfur Co-Doped Graphene Quantum Dots for Fluorescence Detection of Cobalt(II) Ions in Water                                                                                                             | Materials Chemistry Frontiers 4 (2020): 507-516                    | n/a |     | n/a    |
| ## | BL5.3: XPS | Kidkhunthod, P.   | Butnoi, P., Chanlek, N., Poo-arporn, Y., Pinitsoontorn, S., Maensiri, S. and Kidkhunthod, P.                                                                   | Structure-Function of Novel Glasses for Possibility as Cathode of Li-ion Battery: Lithium Manganese Borate Glasses                                                                                                                     | Journal of Alloys and Compounds 809 (Nov 2019): 151811             | Q1  | ISI | 4.173  |
| ## | BL5.3: XPS | Nanan, S.         | Chankhanittha, T., Watcharakitti, J. and Nanan, S.                                                                                                             | PVP-Assisted Synthesis of Rod-Like ZnO Photocatalyst for Photodegradation of Reactive Red (RR141) and Congo red (CR) azo Dyes                                                                                                          | Journal of Materials Science: Materials in Electronics             | Q2  | ISI | 2.195  |
| ## | BL5.3: XPS | Kidkhunthod, P.   | Chunjaemsri, T., Chanlek, N., Sukkha, U., Nakajima, H., Rujirawat, S., Yimnirun, R. and Kidkhunthod, P.                                                        | Synchrotron-Based NEXAFS Analysis of Thermal-Treated Diamond-Like Carbon Films                                                                                                                                                         | Radiation Physics and Chemistry                                    | Q2  | ISI | 1.984  |
| ## | BL5.3: XPS | Sakulkalavek, A.  | Daichakomphu, N., Harnwunggmoung, A., Chanlek, N., Sakdanuphab, R. and Sakulkalavek, A.                                                                        | Figure of Merit Improvement of Delafossite CuAlO <sub>2</sub> with the Addition of Fe and Graphene                                                                                                                                     | Journal of Physics and Chemistry of Solids 134 (Nov 2019): 29-34   | Q2  | ISI | 2.752  |
| ## | BL5.3: XPS | Samart, C.        | Dinh Ngo, S., Tran, T. T. V., Kongparakul, S., Reubroycharoen, P., Kidkhunthod, P., Chanlek, N., Wang, J., Guan, G. and Samart, C.                             | Catalytic Pyrolysis of Napier Grass with Nickel-Copper Core-Shell Bi-Functional Catalyst                                                                                                                                               | Journal of Analytical and Applied Pyrolysis 145 (Jan 2020): 104745 | Q1  | ISI | 3.47   |
| ## | BL5.3: XPS | Chareonpanich, M. | Donphai, W., Jangyubol, K., Worathitanon, C., Niamnuy, C., Chanlek, N., Klysubun, W. and Chareonpanich, M.                                                     | Drying Techniques Affecting Structure-Reactivity of Pt/Cr-Ta:SrTiO <sub>3</sub> Catalysts in Visible Light-Irradiated Water Splitting Reaction                                                                                         | ChemCatChem 11 (Dec 2019): 6339-48                                 | Q1  | ISI | 4.495  |
| ## | BL5.3: XPS | Jaiban, P.        | Jaiban, P., Wannasut, P., Yimnirun, R. and Watcharapasorn, A.                                                                                                  | Influences of Acceptor Dopants (Cu, Mg, Fe) on Electrical and Optical Properties of Ba <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> Ceramics                                                                                      | Materials Research Bulletin 118 (Oct 2019): 110501                 | Q2  | ISI | 3.355  |
| ## | BL5.3: XPS | Jaiban, P.        | Jaiban, P., Tongtham, M., Wannasut, P., Pisitpipathsin, N., Namsar, O., Chanlek, N., Pojprapai, S., Yimnirun, R., Guo, R., Bhalla, A.S. and Watcharapasorn, A. | Phase Characteristics, Microstructure, and Electrical Properties of (1-x)BaZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> -(x)(Ba <sub>0.7</sub> Ca <sub>0.3</sub> ) <sub>0.985</sub> La <sub>0.01</sub> TiO <sub>3</sub> Ceramics | Ceramics International 45 (Oct 2019): 17502-17511                  | Q1  | ISI | 3.45   |
| ## | BL5.3: XPS | Thongbai, P.      | Jumpatam, J., Chanlek, N., Takesada, M. and Thongbai, P.                                                                                                       | Giant Dielectric Behavior of Monovalent Cation/Anion (Li <sup>+</sup> , F <sup>-</sup> ) Co-Doped CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub>                                                                                    | Journal of the American Ceramic Society 103 (Mar 2020): 1871-      | Q1  | ISI | 14.695 |
| ## | BL5.3: XPS | Kalawa, O.        | Kawala, O., Kidkhunthod, P., Chanlek, N., Khajonrit, J. and Maensiri, S.                                                                                       | Synthesis and Electrochemical Properties of Polymer Solution Prepared MnCo <sub>2</sub> O <sub>4</sub> Nanoparticles                                                                                                                   | Ionics 26 (2020): 457-469                                          | Q2  | ISI | 2.289  |
| ## | BL5.3: XPS | Sawangphruk, M.   | Krittayavathananon, A., Duangdangchote, S., Pannopard, P., Chanlek, N., Sathyamoorthi, S., Limtrakul, J., and Sawangphruk, M.                                  | Elucidating the Unexpected Electrocatalytic Activity of Nanoscale PdO Layers on Pd Electrocatalysts Towards Ethanol Oxidation in a Basic Solution                                                                                      | Sustainable Energy Fuels                                           | n/a | ISI | 4.912  |

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| ## | BL5.3: XPS | Chuenchom, L.                      | Kueasook, R., Rattanachueskul, N., <u>Chanlek, N.</u> , Dechtrirat, D., Watcharin, W., Amornpitoksuk, P. and Chuenchom, L.                                                                                                                                                                               | Green and Facile Synthesis of Hierarchically Porous Carbon Monoliths via Surface Selfassembly on Sugarcane Bagasse Scaffold: Influence of Mesoporosity on Efficiency of Dye Adsorption                              | Microporous and Mesoporous Materials 296 (Apr 2020): 110005       | Q1  | ISI | 4.182                    |
| ## | BL5.3: XPS | Sreearunothai, P.                  | Le, G. T. T., Chanlek, N., Manyam, J., Opaprakasit, P., Grisdanurak, N. and Sreearunothai, P.                                                                                                                                                                                                            | Insight into the Ultrasonication of Graphene Oxide with Strong Changes in Its Properties and Performance for Adsorption Applications                                                                                | Chemical Engineering Journal 373 (Oct 2019): 1212-1222            | Q1  | ISI | 8.355                    |
| ## | BL5.3: XPS | Chingsungnoen, A.                  | Lakhonchai, A., Chingsungnoen, A., Poolcharuansin, P., Pasaja, N., Horprathum, M., Rittihong, U., <u>Euaraksakul, C.</u> , <u>Tunmee, S.</u> , <u>Chanlek, N.</u> and Akasaka, H.                                                                                                                        | Comparing the Performance of Transparent, Conductive ZnO/Ag/ZnO Thin Films that have an Interlayer Coating formed by Either DC Magnetron Sputtering or HiPIMS                                                       | Materials Research Express 6 (Nov 2019)                           | Q2  | ISI | 1.449                    |
| ## | BL5.3: XPS | Pinitsoontorn, S.                  | Ieamviteevanich, P., Palaporn, D., <u>Chanlek, N.</u> , <u>Poo-arporn, Y.</u> , Mongkolthanasakul, W., Eichhorn, S. J. and Pinitsoontorn, S.                                                                                                                                                             | Carbon Nanofiber Aerogel/Magnetic Core-Shell Nanoparticle Composites as Recyclable Oil Sorbents                                                                                                                     | ACS Applied Nano Materials                                        | n/a |     | n/a<br>newjou<br>r. 2018 |
| ## | BL5.3: XPS | Lertvanithphol, T., Horprathum, M. | Lertvanithphol, T., Rakreungdet, W., Chananonwathorn, C., Eiamchai, P., Limwichean, S., Nuntawong, N., Patthanasettakul, V., Klamchuen, A., Khemasiri, N., Nukeaw, J., Seawsakul, K., <u>Songsiriritthigul, C.</u> , <u>Chanlek, N.</u> , <u>Nakajima, H.</u> , Songsiriritthigul, P. and Horprathum, M. | Spectroscopic Study on Amorphous Tantalum Oxynitride Thin Films Prepared by Reactive Gas-Timing RF Magnetron Sputtering                                                                                             | Applied Surface Science 492 (Oct 2019): 99-107                    | Q1  | ISI | 5.155                    |
| ## | BL5.3: XPS | Thongbai, P.                       | Meeporn, K., <u>Chanlek, N.</u> and Thongbai, P.                                                                                                                                                                                                                                                         | Significant Enhancement of Dielectric Permittivity and Percolation Behaviour of La <sub>2</sub> xSr <sub>x</sub> NiO <sub>4</sub> /poly(vinylidene fluoride) Composites with Different Sr Doping Concentrations     | RSC Advances 10 (2020): 2747-2756                                 | Q1  | ISI | 3.049                    |
| ## | BL5.3: XPS | Utke, R.                           | Meethom, S., Kaewsuwan, D., <u>Chanlek, N.</u> , <u>Utke, O.</u> and Utke, R.                                                                                                                                                                                                                            | Enhanced Hydrogen Sorption of LiBH <sub>4</sub> -LiAlH <sub>4</sub> by Quenching Dehydrogenation, Ball Milling, and Doping with MWCNTs                                                                              | Journal of Physics and Chemistry of Solids 136 (Jan 2020): 109202 | Q2  | ISI | 2.752                    |
| ## | BL5.3: XPS | Morawe, C.                         | Morawe, C., <u>Pakawanit, P.</u> , <u>Supruangnet, R.</u> , <u>Chanlek, N.</u> , Kaewsuwan, D., Peffen, J. C. and Laboure, S.                                                                                                                                                                            | In-Situ Observation of Structural and Chemical Transitions in B4C Based Layered Systems                                                                                                                             | Applied Surface Science                                           | Q1  | ISI | 5.155                    |
| ## | BL5.3: XPS | Witoon, T.                         | Numpilai, T., <u>Chanlek, N.</u> , <u>Poo-Arpon, Y.</u> , Cheng, C. K., Siri-Nguan, N., Sornchamni, T., Chareonpanich, M., Kongkachuichay, P., Yigit, N., Rupprechter, G., Limtrakul, J. and Witoon, T.                                                                                                  | Tuning Interactions of Surface-Adsorbed Species Over Fe-Co/K-Al <sub>2</sub> O <sub>3</sub> Catalyst by Different K Contents: Selective CO <sub>2</sub> Hydrogenation to Light Olefins                              | ChemCatChem                                                       | Q1  | ISI | 4.803                    |
| ## | BL5.3: XPS | Olegario, E.                       | Olegario, E., Felizco, J. C., Pelicano, C. M., Mendoza, H. and <u>Nakajima, H.</u>                                                                                                                                                                                                                       | Philippine Natural Zeolite Surface Engineered with CuO Nanowires via a One-Step Thermal Decomposition Route                                                                                                         | Journal of the Australian Ceramic Society                         | Q3  | ISI | 0.692                    |
| ## | BL5.3: XPS | Wittayakun, J.                     | Osakoo, N., Khemthong, P., Roessner, F., <u>Kidkhunthod, P.</u> , <u>Chanlek, N.</u> , Prayoonpokarach, S. and Wittayakun, J.                                                                                                                                                                            | Development and Characterization of Silica Supported Cobalt Oxides for Ethanol Oxidation Using Different Preparative Methods                                                                                        | Radiation Physics and Chemistry 171 (Jun 2020): 108718            | Q2  | ISI | 1.984                    |
| ## | BL5.3: XPS | Siritanon, T.                      | Phonsuksawang, P., Khajondetchairit, P., Butburee, T., <u>Sattayaporn, S.</u> , <u>Chanlek, N.</u> , Hirunsit, P., Suthirakun, S. and Siritanon, T.                                                                                                                                                      | Effects of Fe Doping on Enhancing Electrochemical Properties of NiCo <sub>2</sub> S <sub>4</sub> Supercapacitor Electrode                                                                                           | Electrochimica Acta                                               | Q1  | ISI | 5.383                    |
| ## | BL5.3: XPS | Thongbai, P.                       | Saengvong, P., Boonlakhorn, J., <u>Chanlek, N.</u> , Putasaeng, B. and Thongbai, P.                                                                                                                                                                                                                      | Giant Dielectric Permittivity with Low Loss Tangent and Excellent Non-Ohmic Properties of the (Na <sup>+</sup> , Sr <sup>2+</sup> , Y <sup>3+</sup> )Cu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramic System | Ceramics International                                            | Q1  | ISI | 3.45                     |

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| ## | BL5.3: XPS | Saminpanya, S.                                                                                                                               | Saminpanya, S., Saiyasombat, C., Chanlek, N., Thammajak, N., Sirisurawong, E., Viriyasunsakun, R., Kingkanlaya, P. and Rakponramuang, P.     | Trace Elements Content and Cause of Color in Ancient Treated Carnelian and its Natural Counterpart from SE Asia                                                                 | Archaeological and Anthropological Sciences 12 (Jan 2020) | Q1 | ISI | 1.978 |
| ## | BL5.3: XPS | Wittayakun, J.                                                                                                                               | Sosa, N., Chanlek, N. and Wittayakun, J.                                                                                                     | Facile Ultrasound-Assisted Grafting of Silica Gel by Aminopropyltriethoxysilane for Aldol Condensation of Furfural and Acetone                                                  | Ultrasonics Sonochemistry 62 (Apr 2020): 104857           | Q1 | ISI | 7.279 |
| ## | BL5.3: XPS | Vasquez Jr., M. R.                                                                                                                           | Taaca, K. L. M., Nakajima, H., Thumanu, K., Janphuang, P., Chanlek, N. and Vasquez Jr., M. R.                                                | Spectroscopic Studies of Plasma-Modified Silver-Exchanged Zeolite and Chitosan Composites                                                                                       | Materials Chemistry and Physics                           | Q2 | ISI | 2.781 |
| ## | BL5.3: XPS | Witoon, T.                                                                                                                                   | Temvuttirojn, C., Poo-arporn, Y., Chanlek, N., Cheng, C. K., Chong, C. C., Limtrakul, J. and Witoon, T.                                      | Role of Calcination Temperatures of ZrO <sub>2</sub> Support on Methanol Synthesis from CO <sub>2</sub> Hydrogenation at High Reaction Temperatures over ZnO x/ZrO <sub>2</sub> | Industrial & Engineering Chemistry Research               | Q1 | ISI | 3.375 |
| ## | BL5.3: XPS | Thurakitsee, T.                                                                                                                              | Thurakitsee, T., Kramberger, C., Chanlek, N., Supruangnet, R., Wisitsoraat, A., Nakajima, H. and Maruyama, S.                                | The Influence of $\gamma$ -Irradiation on Nitrogen Configuration in Nitrogen-Doped Single-Walled Carbon Nanotubes                                                               | Diamond & Related Materials 101 (2020): 107609            | Q1 | ISI | 2.29  |
| ## | BL5.3: XPS | Kongparakul, S.                                                                                                                              | Tisawat, N., Samart, C., Jaiyong, P., Bryce, R. A., Nuengnoraj, K., Chanlek, N. and Kongparakul, S.                                          | Enhancement Performance of Carbon Electrode for Supercapacitors by Quinone Derivatives Loading via Solvent-Free Method                                                          | Applied Surface Science 491 (Oct 2019): 784-791           | Q1 | ISI | 5.155 |
| ## | BL5.3: XPS | Siritanon, T.                                                                                                                                | Waechayee, A., Watthaisong, P., Wannapaiboon, S., Chanlek, N., Nakajima, H., Wittayakun, J., Suthirakun, S. and Siritanon, T.                | Effects of Different Exchanging Ions on the Band Structure and Photocatalytic Activity of Defect Pyrochlore Oxide: A Case Study in KNbTeO <sub>6</sub>                          | Catalysis Science & Technology 10 (2020): 978-992         | Q1 | ISI | 5.726 |
| ## | BL6a: DXL  | Pojprapai, S.                                                                                                                                | Buatip, N., Dhanunjaya, M., Amonpattaratkit, P., Pomyai, P., Sonklin, T., Reichmann, K., Janphuang, P. and Pojprapai, S.                     | Comparison of Conventional and Reactive Sintering Techniques for Lead-Free BCZT Ferroelectric Ceramics                                                                          | Radiation Physics and Chemistry 172 (Jul 2020): 108770    | Q2 | ISI | 1.984 |
| ## | BL6a: DXL  | Chantharangsi, C.                                                                                                                            | Chantharangsi, C., Paksunchai, C., Oopathump, C., Chaiyakun, S., Janphuang, P., Chanlek, N. and Phatthanakun, R.                             | Structure and Mechanical Properties of Unheated Chromium Aluminum Nitride Coatings Sputter-Deposited with Various Aluminum Content                                              | Key Engineering Materials 824 (2019): 254-259             | Q3 | ISI | 0.35  |
| ## | BL6a: DXL  | Isarakorn, D.                                                                                                                                | Isarakorn, D., Jayasvasti, S., Panthongsy, P., Janphuang, P. and Hamamoto, K.                                                                | Design and Evaluation of Double-Stage Energy Harvesting Floor Tile                                                                                                              | Sustainability 11 (2019): 5582                            | Q2 | ISI | 2.592 |
| ## | BL6a: DXL  | Phiphattanaphipho p, C.                                                                                                                      | Phiphattanaphipho, C., Leksakul, K., Phatthanakun, R. and Suthummapiwat, A.                                                                  | Real-Time Single Cell Monitoring: Measurement and Counting of Motile Sperm Using LCR Impedance-Integrated Microfluidic Device                                                   | Micromachines 647 (2019)                                  | Q2 | ISI | 2.426 |
| ## | BL6b: XRF  | Azimi, E. A., Abdullah, M. M. A. B., Vizureanu, P., Salleh, M. A. A. M., Sanda, A. V., Chaiprapa, J., Yoriya, S., Hussin, K. and Aziz, I. H. | Azimi, E. A., Abdullah, M. M. A. B., Vizureanu, P., Salleh, M. A. A. M., Sanda, A. V., Chaiprapa, J., Yoriya, S., Hussin, K. and Aziz, I. H. | Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature                                                             | Materials                                                 | Q2 | ISI | 2.972 |
| ## | BL6b: XRF  | Aziz, I. H.                                                                                                                                  | Aziz, I. H., Bakri Abdullah, M. M. A., Mohd Salleh, M. A. A., Azimi, E. A., Chaiprapa, J. and Sandu, A. V.                                   | Strength Development of Solely Ground Granulated Blast Furnace Slag Geopolymers                                                                                                 | Construction and Building Materials 250 (2020): 118720    | Q1 | ISI | 4.046 |

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| ## | BL6b: XRF | Poo-arporn, Y.                     | Poo-arporn, Y., Duangnil, S., Bamrungkoh, D., Klangkaew, P., Huasranoi, C., Pruekthaisong, P., Boonsuya, S., Chaiprapa, J., Ruangvittayanon, A. and Saisombat, C. (Added name: Saiyasombat, C.)                                                                                                                                                                       | Gas Tungsten Arc Welding of Copper to Stainless Steel for Ultra-High Vacuum Applications                                                                            | Journal of Materials Processing Tech. 277 (Mar 2020): 116490                | Q1 | ISI | 4.178 |
| ## | BL6b: XRF | Mohd Salleh, M. A. A.              | Ramli, M. I. I., Mohd Salleh, M. A. A., Abdullah, M. M. A., Narayanan, P., Chaiprapa, J., Mohd Said, R. and Nogita, K.                                                                                                                                                                                                                                                | The Effect of Ni and Bi Additions on the Solderability of Sn-0.7Cu Solder Coatings                                                                                  | Journal of Electronic Materials                                             | Q2 | ISI | 1.676 |
| ## | BL6b: XRF | Mohd Salleh, M. A. A.              | Ramli, M. I. I., Mohd Salleh, M. A. A., Yasuda, H., Chaiprapa, J. and Nogita, K.                                                                                                                                                                                                                                                                                      | The Effect of Bi on the Microstructure, Electrical, Wettability and Mechanical Properties of Sn-0.7Cu-0.05Ni Alloys for High Strength                               | Materials & Design 186 (Jan 2020): 108281                                   | Q1 | ISI | 5.77  |
| ## | BL6b: XRF | Sampanpanish, P.                   | Tananonchai, A. and Sampanpanish, P.                                                                                                                                                                                                                                                                                                                                  | The Influence of EDTA on the Accumulation, Movement, and Distribution of Cadmium in Dwarf Elephant Grass.                                                           | Environmental Technology & Innovation 26 (Apr 2020): 9851-60                | Q2 | ISI | 2.8   |
| ## | BL6b: XRF | Siripattanakul-Ratpukdi, S.        | Youngwilai, A., Kidkhunthod, P., Jearanaikoon, N., Chaiprapa, J., Supanchaiyamat, N., Hunt, A. J., Ngernyen, Y., Ratpukdi, T., Khan, E. and Siripattanakul-Ratpukdi, S.                                                                                                                                                                                               | Simultaneous Manganese Adsorption and Biotransformation by Streptomyces Violarus Strain SBP1 Cell-Immobilized Biochar                                               | Science of the Total Environment                                            | Q1 | ISI | 5.589 |
| ## | BL7.2: MX | Pungpo, P.                         | Kamsri, P., Hanwarinroj, C., Naruedon, P., Pornprom, T., Chayajarus, K., Punkvang, A., Suttipanta, N., Srimanote, P., Suttisintong, K., Songsiriritthigul, C., Saparpakorn, P., Hannongbua, S., Rattanabunying, S., Seetaha, S., Choowongkorn, K., Sureram, S., Kittakorn, P., Hongmanee, P., Santanirand, P., Zhaoqiang, C., Zhu, W., Mulholland, A. J., Spencer, J. | Discovery of New and Potent InhA Inhibitors as Anti-Tuberculosis Agents: Structure Based Virtual Screening Validated by Biological Assays and X-Ray Crystallography | Journal of Chemical Information and Modelling 60 (2020): 226-234            | Q1 | ISI | 3.966 |
| ## | BL7.2: MX | Lertvanithphol, T., Horprathum, M. | Lertvanithphol, T., Rakreungdet, W., Chananonnawathorn, C., Eiamchai, P., Limwichean, S., Nuntawong, N., Patthanasettakul, V., Klamchuen, A., Khemasiri, N., Nukeaw, J., Seawsakul, K., Songsiriritthigul, C., Chanlek, N., Nakajima, H., Songsiriritthigul, P. and Horprathum, M.                                                                                    | Spectroscopic Study on Amorphous Tantalum Oxynitride Thin Films Prepared by Reactive Gas-Timing RF Magnetron Sputtering                                             | Applied Surface Science 492 (Oct 2019): 99-107                              | Q1 | ISI | 5.155 |
| ## | BL7.2: MX | Siritapetawee, J.                  | Siritapetawee, J., Teamtisong, K., Limphirat, W., Charoenwattanasatien, R., Attarataya, J. and Mothong, N.                                                                                                                                                                                                                                                            | Identification and Characterization of a Protease (EuRP-61) from Euphorbia Resinifera Latex                                                                         | International Journal of Biological Macromolecules 145 (Feb 2020): 998-1007 | Q1 | ISI | 4.784 |
| ## | BL7.2: MX | Woon, K. L.                        | Woon, K. L., Wong, W. S., Chanlek, N., Nakajima, H., Tunmee, S., Songsiriritthigul, C., Lee, V. S. and Songsiriritthigul, P.                                                                                                                                                                                                                                          | Conformational Distortion in Solution Processable PVK:TcTa Blends and the Effect on Extra Warm White Organic Phosphorescent Light Emitting Diodes                   | Organic Electronics 74 (Nov 2019): 1-6                                      | Q1 | ISI | 3.68  |

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| ## | BL8: XAS | Andersson, K. O.   | Andersson, K. O., Tighe, M. K., Guppy, C. N., Milham, P. J., McLaren, T. I., Scheffe, C. R., Lombi, E., Lisle, L. M. and <u>Klysubun, W.</u>                                           | Transformation of Calcium Phosphates in Alkaline Vertisols by Acidified Incubation                                                                                                                             | Environmental Science & Technology 53 (2019): 10131-10138    | Q1 | ISI | 7.149 |
| ## | BL8: XAS | Lohwongwatana, B.  | Boonchuduang, T., Bootchanont, A., <u>Klysubun, W.</u> , <u>Amonpattaratkit, P.</u> , Khamkongkao, A., Puncreobutr, C., Yimnirun, R. and Lohwongwatana, B.                             | Formation of Alpha-Case Layer During Investment Casting of Pure Ti and Ti-6Al-4V Using Comparative XRD and EXAFS Investigation                                                                                 | Metallurgical and Materials Transactions A                   | Q1 | ISI | 1.985 |
| ## | BL8: XAS | Limphirat, W.      | Boonkerd, K. and <u>Limphirat, W.</u>                                                                                                                                                  | Investigation of Crosslink Structure of Natural Rubber During Vulcanization using X-ray Absorption Near Edge Spectroscopy                                                                                      | Journal of Metals, Materials and Minerals 30 (2020): 119-123 | Q4 | ISI | 2.305 |
| ## | BL8: XAS | Sailuam, W.        | Bootchanont, A., Wechprasit, T., Horprathum, M., Chananonnawathorn, C., <u>Amonpattaratkit, P.</u> , <u>Klysubun, W.</u> , Yimnirun, R., Khamkongkao, A., Barnthip, N. and Sailuam, W. | X-Ray Absorption Study of the Local Structure of Mg in Hydroxyapatites Thin Films Deposited by RF Magnetron Co-Sputtering                                                                                      | Radiation Physics and Cehmistry 172 (2020): 108788           | Q2 | ISI | 1.984 |
| ## | BL8: XAS | Pojprapai, S.      | Buatip, N., Dhanunjaya, M., Amonpattaratkit, P., Pomyai, P., Sonklin, T., Reichmann, K., Janphuang, P. and Pojprapai, S.                                                               | Comparison of Conventional and Reactive Sintering Techniques for Lead-Free BCZT Ferroelectric Ceramics                                                                                                         | Radiation Physics and Cehmistry 172 (Jul 2020): 108770       | Q2 | ISI | 1.984 |
| ## | BL8: XAS | Chareonpanich, M.  | Donphai, W., Jangyubol, K., Worathitanon, C., Niamnuy, C., <u>Chanlek, N.</u> , <u>Klysubun, W.</u> and Chareonpanich, M.                                                              | Drying Techniques Affecting Structure-Reactivity of Pt/Cr-Ta:SrTiO <sub>3</sub> Catalysts in Visible Light-Irradiated Water Splitting Reaction                                                                 | ChemCatChem 11 (Dec 2019): 6339-48                           | Q1 | ISI | 4.495 |
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| ## | BL8: XAS | Srifa, A.          | Fangkoch, S., Boonkum, S., Ratchahat, S., Koo-amornpattana, W., Eiad-Ua, A., Kiatkittipong, W., <u>Klysubun, W.</u> , Srifa, A., Faungnawakij, K. and Assabumrungrat, S.               | Solvent-Free Hydrodeoxygenation of Triglycerides to Diesel-like Hydrocarbons over Pt-Decorated MoO <sub>2</sub> Catalysts                                                                                      | ACS Omega                                                    | Q1 | ISI | 2.584 |
| ## | BL8: XAS | Ozkendir, O. M.    | Gundogmus. H., Gunaydin, S., <u>Klysubun, W.</u> and Ozkendir, O. M.                                                                                                                   | XAFS Study on the Boron Substituted LiGaO <sub>2</sub> Semiconductor Material                                                                                                                                  | Solid State Ionics 346 (2020): 115201                        | Q1 | ISI | 2.886 |
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| ## | BL8: XAS | <a href="#">Klysubun, W.</a>            | <a href="#">Klysubun, W., Tarawarakarn, P., Thamsanong, N., Amonpattaratkit, P., Cholsuk, C. Lapboonrueng, S., Chaichuay, S. and Wongtepa, W.</a> | Upgrade of SLRI BL8 beamline for XAFS Spectroscopy in a Photon Energy Range of 1 keV to 13 keV                                                                                                                                                                           | Radiation Physics and Chemistry                         | Q2  | ISI | 1.984 |
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| ## | BL8: XAS | <a href="#">Lawniczak-Jablonska, K.</a> | <a href="#">Lawniczak-Jablonska, K., Wolska, A., Kuzmiuk, P., Rejmak, P. and Kosiel, K.</a>                                                       | Local Atomic Order of the Amorphous TaOx Thin Films in Relation to their Chemical resistivity                                                                                                                                                                            | RSC Advances 9 (2019): 35727–35734                      | Q1  | ISI | 3.049 |
| ## | BL8: XAS | <a href="#">Sawangphruk, M.</a>         | <a href="#">Ma, N., Kosasang, S., Chomkhuntod, P., Duangdangchote, S., Phattharasupakun, N., Klysubun, W. and Sawangphruk, M.</a>                 | Insight into the Unusual Intercalation/Deintercalation Phenomena of Alkali Cations in the Layered Manganese Oxide for                                                                                                                                                    | Journal of Power Sources 455 (2020): 227969             | Q1  | ISI | 7.467 |
| ## | BL8: XAS | <a href="#">Prayongpan, P.</a>          | <a href="#">Moonsuang, B., Thaitong, B., Amonpattaratkit, P., Praingam, N. and Prayongpan, P.</a>                                                 | X-Ray Absorption Spectroscopy Examination of Cr, Co, and Cu Binding on Fluorescent Carbon Dots                                                                                                                                                                           | Radiation Physics and Chemistry 172 (Jun 2020): 108751  | Q2  | ISI | 1.984 |
| ## | BL8: XAS | <a href="#">Negassa, W.</a>             | <a href="#">Negassa, W., Michalik, D., Klysubun, W. and Leinerber, P.</a>                                                                         | Phosphorus Speciation in Long-Term Drained and Rewetted Peatlands of Northern Germany                                                                                                                                                                                    | Soil System                                             | n/a |     | n/a   |
| ## | BL8: XAS | <a href="#">Wittayakun, J.</a>          | <a href="#">Phatai, P., Loiha, S., Prayoonpokarach, P. and Wittayakun, J.</a>                                                                     | Effect of Crystallinity of Zeolite Beta on Physicochemical Properties and Performance of Cobalt Catalysts                                                                                                                                                                | Sains Malaysiana 49 (2020): 75-84                       | Q2  | ISI | 0.54  |
| ## | BL8: XAS | <a href="#">Padungthon, S.</a>          | <a href="#">Pranudta, A., Klysubun, W., El-Moselhy, M. M. and Padungthon, S.</a>                                                                  | Synthesis Optimization and X-Ray absorption Spectroscopy Investigation of Polymeric Anion Exchanger Supported Binary Fe/Mn Oxides Nanoparticles for Enhanced As(III) Removal                                                                                             | Reactive and Functional Polymers 147 (Feb 2020): 104441 | Q1  | ISI | 3.074 |
| ## | BL8: XAS | <a href="#">Prietz, J.</a>              | <a href="#">Prietz, J., Prater, I., Colocho Hurtarte, L. C., Hrbacek, F., Klysubun, W. and Mueller, C. W.</a>                                     | Site Conditions and Vegetation Determine Phosphorus and Sulfur Speciation in Soils of                                                                                                                                                                                    | Geochimica et Cosmochimica Acta 246 (2019): 339 -362    | Q1  | ISI | 4.258 |
| ## | BL8: XAS | <a href="#">Watcharapasorn, A.</a>      | <a href="#">Prayoonphokkharat, P., Amonpattaratkit, P. and Watcharapasorn, A.</a>                                                                 | Crystal Structure and XANES Study of Sn-Substituted YBa2Cu3O7-y Powder Prepared by Solid-State Synthesis Method                                                                                                                                                          | Applied Physics A 126, 140 (Jan 2020)                   | Q2  | ISI | 1.784 |
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| ## | BL8: XAS | <a href="#">Wattanakit, C.</a>          | <a href="#">Suttipat, D., Yutthalekha, T., Dugkhuntod, P., Wetchasat, P., Wannapakdee, W., Kidkhunthod, P. and Wattanakit, C.</a>                 | Tunable Acid Base Bifunction of Hierarchical Aluminum Rich Zeolites for the One Pot Tandem Deacetalization Henry Reaction                                                                                                                                                | ChemPlusChem. 84 (Oct 2019): 1503-1507                  | Q1  | ISI | 3.441 |

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