

International Publications (fiscal year)

2019=2562 (Oct 2018-Sep 2019)

BL1.1W: MXT 15 articles

วารสารระดับนานาชาติที่ตีพิมพ์ จากบุคลากร สช. ที่เป็นผู้แต่งร่วม

1. Akuata, C. K., Altenbach, C., Schnatterer, C., Suwanpinij, P., Saivasombat, C. and Zander, D. "Age Hardening Response of AA7108A Investigated by Means of Synchrotronbased X-ray Absorption Spectroscopy (XAS) Measurements" *Materials Science & Engineering A* 747 (2019): 42-52.
2. Harnchana, V., Chaiyachad, S., Pimanpang, S., Saivasombat, C., Srepusharawoot, P. and Amornkitbamrung, V. "Hierarchical Fe₃O₄-Reduced Graphene Oxide Nanocomposite Grown on NaCl Crystals for Triiodide Reduction in Dye-Sensitized Solar Cells" *Scientific Reports* 9 (2019): 1494.
3. Karaphun, A., Chirawatkul, P., Maensiri, S. and Swatsitang, E. "Influence of Calcination Temperature on the Structural, Morphological, Optical, Magnetic and Electrochemical Properties of Cu₂P₂O₇ Nanocrystals" *Journal of Sol-Gel Science and Technology*
4. Irfanita, R., Putra, P. E. D., Triono, B., Saivasombat, C., Kamonsuangkasem, K., Malik A., B., Darminto "Oxygen Reduction Effect on T'- Pr₂-xCeCuO₄ Nanopowders in the Underdoped Regime Studied by X-Ray Absorption Near Edge Structure" *Materials Science Forum*
5. Ngamdee, K., Chaiendoo, K., Saivasombat, C., Busavaporn, W., Ittisanronnachai, S., Promarak, V. and Ngeontae, W. "Highly Selective Circular Dichroism Sensor Based on D-Penicillamine/Cysteamine Cadmium Sulfide Quantum Dots for Copper (II) Ion Detection" *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 211 (2019): 313-321.
6. Numpilai, T., Chanlek, N., Poo-Arporn, Y., Wannapaiboon, S., Cheng, C. K., Siri-Nguan, N., Sornchamni, T., Kongkachuicha, P., Chareonpanich, M., Rupprechter, G., Limtrakul, G. and Witoon, T. "Pore Size Effects on Physicochemical Properties of Fe-Co/K-Al₂O₃ Catalysts and their Catalytic Activity in CO₂ Hydrogenation to Light Olefins" *Applied Surface Science* 483 (2019): 581-592. **Use BL1.1W, BL2.2, BL5.3**
7. Semrau, A. L., Pujari, S. P., Wannapaiboon, S., Vervoorts, P., Albada, B., Zuilhof, H. and Fischer, R. A. "Highly Porous Nanocrystalline UiO-66 Thin-Films via Coordination Modulation Controlled Step-by-Step Liquid-Phase Growth" *Crystal Growth & Design*
8. Somjaijaroen, N., Sakdanuphab, R., Chanlek, N., Chirawatkul, P. and Sakulkalavek, A. "Simultaneous O₂ Plasma and Thermal Treatment for Improved Surface Conductivity of Cu-Doped SnO₂ Films" *Vacuum* 166 (2019): 212-217 **Use BL1.1W, BL5.3**
9. Veranitisagul, C., Wattanathana, W., Wannapaiboon, S., Hanlumyung, Y., Sukthavorn, K., Nootsuwan, N., Chotiwan, S., Phuthong, W., Jongrungruangchok, S. and Laobuthee, A., "Antimicrobial, Conductive, and Mechanical Properties of AgCB/PBS Composite System" *Journal of Chemistry* 2019, Article ID 3487529

วารสารระดับนานาชาติที่ตีพิมพ์ จากนักวิจัยจากสถาบันอื่น ที่เขียนกิตติกรรมประกาศให้ สช.

10. Boonying, P., Narkkun, T., Naowanon, W., Amnuaypanich, S. Hung, W. S. and Amnuaypanich, S.. "Rapid Decolorization of Methyl Orange Using Polyacrylonitrile Membranes Incorporated with Nickel Nanoparticles Loaded in Block Copolymer Micelles" *Separation and Purification Technology*
11. Bunpang, K., Wisitsoraat, A., Tuantranont, A., Singkammo, S., Phanichphant, S. and Liewhiran, C. "Highly Selective and Sensitive CH₄ Gas Sensors Based on Flame-Spray-Made Cr-Doped SnO₂ Particulate Films" *Sensors and Actuators B* 291 (Jul 2019): 177-191.
12. Buttha, S., Youngme, S., Wittayakun, J. and Loiha, S. "Formation of Iron Active Species on HZSM-5 Catalysts by Varying Iron Precursors for Phenol Hydroxylation" *Molecular Catalysis* 461 (Dec 2018): 26-33.
13. Adpakpang, K., Pratanpornlerd, W., Ponchai, P., Tranganphaibul, W., Thongratkaew, S., Faungnawakij, K., Horike, S., Siritanon, T., Rujiwattra, A., Ogawa, M. and Bureekaew, S. "Unsaturated Mn(II)-Centered [Mn(BDC)]_n Metal-Organic Framework with Strong Water Binding

Ability and Its Potential for Dehydration of an Ethanol/Water Mixture" *Inorganic Chemistry* **USE BL1.1W, BL5.2**

14. Karaphun, A., Maensiri, S. and Swatsitang, E. "Effect of Calcination on Structural, Morphological, Magnetic and Electrochemical Properties of Mesoporous Ni₂P₂O₇ Microplates" *Journal of Materials Science: Materials in Electronics*
15. Songwattanasin, P., Karaphun, A., Hunpratub, S., Maensiri, S., Swatsitang, E. and Amornkitbamrung, V. "Influence of Annealing on Microstructure, Electrochemical, and Magnetic Properties of Co-Doped SrTiO₃ Nanocubes" *Journal of Superconductivity and Novel Magnetism*

BL1.3W: SAXS 11 articles

วารสารระดับนานาชาติที่ตีพิมพ์ จากบุคลากร สข. ที่เป็นผู้แต่งร่วม

1. Denchai, N., Suwannaporn, P., Lin, J., Soontaranon, S., Kiatponglarp, W. and Huang, T. C. "Retrogradation and Digestibility of Rice Starch Gels: The Joint Effect of Degree of Gelatinization and Storage" *Journal of Food Science* 84 (Jun 2019): 1400-1410.
2. Huong, V. T. H., Duong, N. P., Nguyet, D. T. T., Soontaranon, S. and Loan, T. T. "Local Structural Change and Magnetic Dilution Effect in (Ca₂b, V₅b) Co-Substituted Yttrium Iron Garnet Prepared by Sol-Gel Route" *Journal of Alloys and Compounds* 775 (Feb 2019): 1259-1269.
3. Koosomsuan, W., Yamaguchi, M., Phinyocheep, P. and Sirisinha, K. "High-Strain Shape Memory Behavior of PLA-PEG Multiblock Copolymers and Its Microstructural Origin" *Journal of Polymer Science part B*.
4. 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 Poloxamer and Crosslinked Poly (vinyl alcohol) Hydrogel" *Materials Today Communications*
5. Musigapong, P., Briffa, S. M., Lynch, I., Soontaranon, S., Chanlek, N. and Valsami-Jones, E. "Silica Nanoparticle Synthesis and Multi-Method Characterisation" *Materials Science Forum* 947 (2019): 82-90. **USE BL1.3W, BL5.3**
6. Musyarofah, Soontaranon, S., Limphirat, W., Triwikantoro and Pratapa, S. "XRD, WAXS, FTIR, and XANES Studies of Silica-Zirconia Systems" *Ceramics International* 45 (Aug 2019): 15660-15670. **USE BL1.3W, BL8**
7. Rattanachai, Y., Rintramee, K., Rattanasuporn, S., Supruangnet, R. "Characterization of Nafion XL Membrane for PEMFC after VUV Degradation and Titanium Nitride Coating" *Nuclear Inst. and Methods in Physics Research B* 436 (2018): 292-297. **USE BL1.3W, BL3.2a**
8. Rungswang, W., Jarumaneeroj, C., Patthamasang, S., Phiriyawirut, P., Jirasukho, P., Soontaranon, S., Rugmai, S. and Hsiao, B. S. "Influences of Tacticity and Molecular Weight on Crystallization Kinetic and Crystal Morphology Under Isothermal Crystallization: Evidence of Tapering in Lamellar Width" *Polymers*
9. Sarifudin, A., Soontaranon, S., Rugmai, S. and Tongta, S. "Structural Transformations at Different Organizational Levels of Ethanol-Treated Starch During Heating" *International Journal of Biological Macromolecules*
10. Suwannaruang, T., Kidkhunthod, P., Chanlek, N., Soontaranon, S. and Wantala, K. "High Anatase Purity of Nitrogen-Doped TiO₂ Nanorice Particles for the Photocatalytic Treatment Activity of Pharmaceutical Wastewater" *Applied Surface Science*. **USE BL1.3W, BL5.3**

วารสารระดับนานาชาติที่ตีพิมพ์ จากนักวิจัยจากสถาบันอื่น ที่เขียนกิตติกรรมประกาศให้ สข.

11. Hien, L. D., Duong, N. P., Anh, L.N., Loan, T.T, Soontaranon, S. and De Visser, A. "Correlations Between Structural, Magnetic and Electronic Transport Properties of Nano-Sized (Sr,Ln)-(Fe,Mo) Double Perovskites" *Journal of Alloys and Compounds*.

BL2.2: TRXAS: 10 articles

วารสารระดับนานาชาติที่ตีพิมพ์จากบุคลากร สช. ที่เป็นผู้แต่งร่วม

1. Chaisubanan, N., Chanlek, N., Puarporn, Y., Limphirat, W., Piumsomboon, P., Pruksathorn, K. and Hunsom, M. "Insight into the Alternative Metal Oxide Modified Carbon-Supported PtCo for Oxygen Reduction Reaction in Proton Exchange Membrane fuel Cell" *Renewable Energy*
2. Choojun, K., Worathanaseth, A., Kuhatasanadeekul, S., Kurato, T., Ketaniruj, S., Phichitsurathaworn, P., Promchana, P., Prakobtham, K., Numwong, N., Poo-arporn, Y. and Sooknoi, T. "Effect of Cobalt Complex Precursors on Reactivity of Cationic Cobalt Catalysts: Cyclohexane Dehydrogenation" *Catalysis Communications*
3. Daichakomphu, N., Sakdanuphab, R., Harnwunggmoung, A., Puarporn, Y., Chanlek, N. and Sakulkalavek, A. "Enhanced Carrier Concentration of Fe Doped Delafossite CuAlO₂ by Doubleeffect: Divalent Metal Ions Doping and Excess Oxygen" *Solid State Ionics* 328 (2018): 17-24. **USE BL2.2, BL5.3**
4. Imyen, T., Limphirat, W., Rupprechter, G. and Kongkachuichay, P. "Roles of ZnO in Cu/Core–Shell Al–MCM-41 for NO Reduction by Selective Catalytic Reduction with NH₃: The Effects of Metal Loading and Cu/ZnO Ratio" *ACS Omega* 4 (2019): 1077–1085.
5. Imyen, T., Yigit, N., Poo-Arporn, Y., Fottinger, K., Rupprechter, G. and Kongkachuichay, P. "Promotional Effects of Zn Doping on Cu/Core–Shell Al–MCM-41 for Selective Catalytic Reduction of NO with NH₃" *Journal of Nanoscience and Nanotechnology* 19 (2019): 743-757.
6. Kanjanawarin, J., Limphirat, W., Promchana, P., Sooknoi, T., Maluangnont, T., Simalaotao, K., Boonchun, A., Reunchan, P., Limpijumnon, S. and T-Thienprasert, J. "Local Structure of Stoichiometric and Oxygen-Deficient A₂Ti₆O₁₃ (A = Li, Na, and K) Studied by X-Ray Absorption Spectroscopy and First-Principles Calculations" *Journal of Applied Physics* 124 (2018): 155101 **USE BL2.2, BL5.2, CMP.**
7. Kaewmala, S., Limphirat, W., Yordsri, V., Kim, H., Muhammad, S., Yoon, W. S., Srilomsak, S., Limthongkul, P. and Meethong, N. "Structural and Electrochemical Kinetic Properties of 0.5Li₂MnO₃-0.5LiCoO₂ Cathode Materials with Different Li₂MnO₃ Domain Sizes" *Scientific Reports* 9 (2019): 427.
8. Numpilai, T., Chanlek, N., Poo-Arporn, Y., Wannapaiboon, S., Cheng, C. K., Siri-Nguan, N., Sornchamni, T., Kongkachuicha, P., Chareonpanich, M., Rupprechter, G., Limtrakul, G. and Witoon, T. "Pore Size Effects on Physicochemical Properties of Fe-Co/K-Al₂O₃ Catalysts and their Catalytic Activity in CO₂ Hydrogenation to Light Olefins" *Applied Surface Science* 483 (2019): 581-592. **Use BL1.1W, BL2.2, BL5.3**
9. Poo-arporn, Y., Pakapongpan, S., Chanlek, N. and Poo-arporn, R. P. "The Development of Disposable Electrochemical Sensor Based on Fe₃O₄-Doped Reduced Graphene Oxide Modified Magnetic Screen-Printed Electrode for Ractopamine" *Sensors and Actuators B*. **USE BL2.2, BL5.3**

วารสารระดับนานาชาติที่ตีพิมพ์จากนักวิจัยจากสถาบันอื่น ที่เขียนกิตติกรรมประกาศให้ สช.

10. Senamart, N., Buttha, S., Pantupho, W., Koleva, I. Z., Loiha, S., Wittayakun, J., , Aleksandrov, H. A. and Vayssilov, G. N. "Characterization and Temperature Evolution of Iron-Containing Species in HZSM-5 Zeolite Prepared from Different Iron Sources" *Journal of Porous Materials*

BL3.2a: PES 15 articles

วารสารระดับนานาชาติที่ตีพิมพ์จากบุคลากร สช. ที่เป็นผู้แต่งร่วม

1. Chittinan, D., Buranasiri, P., Lertvanithphol, T., Eiamchai, P., Patthanasettakul, V., Chananonnawathorn, C., Limwicchan, S., Nuntawong, N., Klamchuen, A., Muthitamongkol, P., Limsuwan, P., Chindaudom, P., Nukeaw, J., Nakajima, H. and Horprathum, M. "Observations of the Initial Stages on Reactive Gas-Timing Sputtered TaO Thin Films by Dynamic in Situ Spectroscopic Ellipsometry" *Optical Materials* 92 (2019): 223–232.

2. 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*. **USE BL3.2Ua, BL5.3**
3. Don, M. F., Ekanayake, P., Nakajima, H., 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*.
4. Duong, B., Lohawet, K., Muangnapoh, T., Nakajima, H., Chanlek, N., Sharma, A., Lewis, D. A. and Kumnorkaew, P. "Low-Temperature Processed TiO_x/Zn_{1-x}Cd_xS Nanocomposite for Efficient MAPbI₃Cl_{1-x} Perovskite and PCDTBT:PC70BM Polymer Solar Cells" *Polymers*.
5. Lee, H. L., Woon, K. L., Tan, S., Wong, W. S., Ariffin, A., Chanlek, N., Nakajima, H., Saisopa, T. and Songsiriritthigul, P. "Structural, Chemical and Electronic Differences between Bare and Nitrogen-Doped Carbon Nanoparticles" *Carbon Letters* 29 (Jun 2019): 255-262.
6. Lertvanithphol, T., Rakreungdet, W., Chananonwathorn, 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*. **USE BL3.2a, BL5.3, BL7.2**
7. Pengpad, A., Ruankham, P., Rattanachata, A., Rattanasuporn, S., Jenpiyapong, W., Nakajima, H., Chooon, S. and Amornkitbamrung, Y. "Surface Composition of MAPb(IxBr_{1-x})₃ (0≤x≤1) Organic-Inorganic Mixed-Halide Perovskites" *Applied Surface Science* 479 (2019): 311-317.
8. How, G. T. S., Talik, N. A., Kar, Y. B., Nakajima, H., Tunmee, S. and Tong, G. B. "Multiple Resistive Switching Behaviours of CH₃NH₃PbI₃ Perovskite film" *Applied Surface Science*.
9. Kankla, P., Limtrakul, J., Green, M. L.H., Chanlek, N. and Luksirikul, P. "Electrooxidation of Formic acid Enhanced by Surfactant-Free Palladium Nanocubes on Surface Modified Graphene Catalyst" *Applied Surface Science* 471 (2019): 176–184. **USE BL3.2a, BL5.3**
10. Phae-ngam, W., Horprathum, M., Chananonwathorn, C., Lertvanithphol, T., Samransuksamer, B., Songsiriritthigul, P., Nakajima, H. and Chaiyakun, S. "Oblique Angle Deposition of Nanocolumnar TiZrN Films via Reactive Magnetron Cosputtering Technique: The Influence of the Zr Target Powers" *Current Applied Physics*
11. Poo-arporn, Y., Kityakarn, S., Niltharach, A., Smith, M. F., Seraphin, S. Worner, M. and Worayingyong, A. "Photocatalytic Oxidation of Thiophene Over Cerium Doped TiO₂ Thin Film" *Materials Science in Semiconductor Processing* 93 (2019): 21–27. **USE BL3.2Ua, BL8**
12. Rafieh, A. I., Ekanayake, P., Wakamiya, A., Nakajima, H. and Lim, C. M. "Enhanced Performance of CH₃NH₃PbI₃-Based Perovskite Solar Cells by Tuning the Electrical and Structural Properties of Mesoporous TiO₂ Layer via Al and Mg Doping" *Solar Energy* 177 (2019): 374-381.
13. Rattanachai, Y., Rintramee, K., Rattanasuporn, S., Supruangnet, R. "Characterization of Nafion XL Membrane for PEMFC after VUV Degradation and Titanium Nitride Coating" *Nuclear Inst. and Methods in Physics Research B* 436 (2018): 292–297. **USE BL1.3W, BL3.2a**

วารสารระดับนานาชาติที่ดีพิมพ์ จากนักวิจัยจากสถาบันอื่น ที่เขียนกิตติกรรมประกาศให้ สข.

14. Bradley, D.A., Siti Rozaila, Z., Khandaker, M.U., Almugren, K.S., Meevasana, W. and Abdul Sani, S.F. "Raman spectroscopy and x-ray photo-spectroscopy analysis of graphite media irradiated at low doses" *Applied Radiation and Isotopes*
15. Roslan, N. A., Bakar, A. A., Bawazeer, T. M., Alsoufi, M. S., Alsenany, N., Abdul Majid, W. H. and Supangat, A. "Enhancing the Performance of Vanadyl Phthalocyanine-Based Humidity Sensor by Varying the Thickness" *Sensors and Actuators B*

BL3.2Ub: PEEM 3 articles

วารสารระดับนานาชาติที่ดีพิมพ์ จากบุคลากร สข. ที่เป็นผู้แต่งร่วม

1. Kanjanachuchai, S., Wongpinij, T., Euaruksakul, C. and Photongkam, P. "Au-Catalyzed Desorption of GaAs Oxides" *Nanotechnology* 30 (Mar 2019): 215703.

2. Konkunthot, N., Photongkam, P. and Wongpanya, P. "Au Improvement of Thermal Stability, Adhesion Strength and Corrosion Performance of Diamond-Like Carbon Films with Titanium Doping" *Applied Surface Science*
3. Sirichaiwetkul, R., Wongpinij, T., Euaruksakul, C., Limmaneevichitr, C. and Kajornchaiyakul, J. "In-Situ Study of Microstructural Evolution During Thermal Treatment of 6063 Aluminum Alloy" *Materials Letters*.

BL4.1: IR 7 articles

วารสารระดับนานาชาติที่ดีพิมพ์ จากบุคลากร สช. ที่เป็นผู้แต่งร่วม

1. Pasela, B. R., Castillo, A. P., Simon, R., Pulido, M. T., Mana-ay, H., Abiquibil, M. R., Montecillo, R., Thumanu, K., Tumacder, d. von. And Taaca, K. L. "Deciphering the Elevated Lipid via CD36 in Mantle Cell Lymphoma with Bortezomib Resistance Using Synchrotron-Based Fourier Transform Infrared Spectroscopy of Single Cells" *Cancers* 11 (2019): 576.
2. Pasela, B. R., Castillo, A. P., Simon, R., Pulido, M. T., Mana-ay, H., Abiquibil, M. R., Montecillo, R., Thumanu, K., Tumacder, d. von. And Taaca, K. L. "Synthesis and Characterization of Acetic Acid-Doped Polyaniline and Polyaniline–Chitosan Composite" *Biomimetics*
3. Sirichaiwetachakoon, K., Lowe, G. M., Thumanu, K. and Eumkeb, G. "The Effect of *Pluchea indica* (L.) Less. Tea on Adipogenesis in 3T3-L1 Adipocytes and Lipase Activity" *Evidence-Based Complementary and Alternative Medicine*
4. Somboon, S., Kamolmanit, B., Namanusart, W., Thumanu, K. and Lawongsa, P. "Changes in Soil Organic Carbon Composition Resulting from Long-Term Application of Biochemical Contrasting Organic Residues Monitoring by Synchrotron-Based FTIR Microspectroscopy" *Bioscience Research* 15 (2018): 2542-2550.
5. Tantala, J., Thumanu, K. and Rachtanapun, C. "An Assessment of Antibacterial Mode of Action of Chitosan on *Listeria Innocua* Cells using Real-Time HATR-FTIR Spectroscopy" *International Journal of Biological Macromolecules* 135 (Aug 2019): 386-393.

วารสารระดับนานาชาติที่ดีพิมพ์ จากนักวิจัยจากสถาบันอื่น ที่เขียนกิตติกรรมประกาศให้ สช.

1. 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 Cancer Cells" *Journal of Cellular Physiology*
2. Tiomyom, K., Sirichaiwetachakoon, K., Hengpratom, T., Kupittayanant, S., Srisawat, R., Thaeomor, A. and Eumkeb, G. "The Effects of *Cordyceps sinensis* (Berk.) Sacc. And *Gymnema inodorum* (Lour.) Decne. Extracts on Adipogenesis and Lipase Activity In Vitro" *Evidence-Based Complementary and Alternative Medicine* 2019, Article ID 5370473.

BL5.2: XAS 24 articles

วารสารระดับนานาชาติที่ดีพิมพ์ จากบุคลากร สช. ที่เป็นผู้แต่งร่วม

1. Bhupaijit, P., Kornphom, C., Kidkhunthod, P., Nuntawong, N. and Bongkarn, T. "Structural Study of (1-x)BNKLT-xBZT Ceramics using XRD, Raman Spectroscopy and XAS" *Integrated Ferroelectrics* 195 (2019): 144-153.
2. Chullaphan, T., Phokha, S., Hunpratub, S., Chindaprasirt, P. and Kidkhunthod, P. "Dielectric, Ferroelectric, and Piezoelectric Properties of Lead-Free Ba_{0.95}Ca_{0.05}Ti_{1-x}R_xO₃ Ceramics" *Integrated Ferroelectrics* 195 (2019): 70-80.
3. Kanjanawarin, J., Limphirat, W., Promchana, P., Sooknoi, T., Maluangnont, T., Simalaotao, K., Boonchun, A., Reunchan, P., Limpijumnong, S. and T-Thienprasert, J. "Local Structure of Stoichiometric and Oxygen-Deficient A₂Ti₆O₁₃ (A = Li, Na, and K) Studied by X-Ray Absorption Spectroscopy and First-Principles Calculations" *Journal of Applied Physics* 124 (2018): 155101 **USE BL2.2, BL5.2, CMP.**
4. Khemthong, P., Kongmark, C., Kochaputi, N., Mahakot, S., Rodporn, S. and Faungnawakij, K. "In Situ X-ray Absorption Fine Structure Probing-Phase Evolution of CuFe₂O₄ in Nanospace Confinement" *Inorganic Chemistry* 58 (2019): 6584-6587.

5. Kumar, S., Satish, R., Verma, V., Ren, H., [Kidkhunthod, P.](#), Manalastas Jr., W. and Srinivasan, M. "Investigating FeVO₄ as a Cathode Material for Aqueous Aluminum-Ion Battery" *Journal of Power Sources* 426 (2019): 151-161.
6. Nilmoung, S., [Kidkhunthod, P.](#) and Maensiri, S. "The Structural and Electrochemical Properties of CNF/MnFe₂O₄ Composite Nanostructures for Supercapacitors" *Materials Chemistry and Physics* 220 (Dec 2018): 190-200. **USE BL5.2, BL5.3**
7. Pannak, P., Songsasen, A., Foytong, W., [Kidkhunthod, P.](#) and Sirisaksoontorn, W. "Homogeneous Distribution of Nanosized ZnO in Montmorillonite Clay Sheets for the Photocatalytic Enhancement in Degradation of Rhodamine B" *Research On Chemical Intermediates*
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BL5.3: XPS 44 articles

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BL6a: DXL 3 articles

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BL6b: XRF 3 articles

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CMP: 3 articles

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Laboratory 1

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Instrumentation: 1

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