Original Publications (Articles co-authored with the Partner Research Teams)

year	Authors	Title	Journal	electric database
2016	Witchaya Arpavate, Surawut Chuangchote, Navadol Laosiripojana, Jatuphorn Wootthikanokkhan, and Takashi Sagawa	″ZnO Nanorod Arrays Fabricated by Hydrothermal Method Using Different Thicknesses of Seed Layers for Applications in Hybrid Photovoltaic Cells,″	Sensors and Materials, 28(5), 403–408, 2016	
2016	Mathana Wongaree, Siriluk Chiarakorn, Surawut Chuangchote, and Takashi Sagawa	″Photocatalytic Performance of Electrospun CNT/TiO2 Nanofibers in a Simulated Air Purifier under Visible Light Irradiation″	Environmental Science and Pollution Research, 23, 21395–21406, 2016	doi: 10.1007/s11356-016-7348-z
2016	T. Suntornlohanakul, N. Sano, H. Tamon	Self-ordered nanotube formation from nickel oxide via submerged arc in water	Applied Physics Express 9, 076001 (2016)	10.7567/APEX.9.076001
2016	Navaporn Kaerkitcha, Surawut Chuangchote, and Takashi Sagawa	″Control of physical properties of carbon nanofibers obtained from coaxial electrospinning of PMMA and PAN with adjustable inner/outer nozzle-ends″	Nanoscale Research Letters, 11(1), 1–9, 2016	doi: 10.1186/s11671-016-1416-7
2016	Witchaya Arpavate, Surawut Chuangchote, Navadol Laosiripojana, Jatuphorn Wootthikanokkhan, and Takashi Sagawa	″ZnO Nanorod Arrays Fabricated by Hydrothermal Method Using Different Thicknesses of Seed Layers for Applications in Hybrid Photovoltaic Cells″	Sensors and Materials, 28(5), 403–408 (2016)	
2016	Mathana Wongaree, Siriluk Chiarakorn, Surawut Chuangchote, and Takashi Sagawa	″Photocatalytic Performance of Electrospun CNT/TiO2 Nanofibers in a Simulated Air Purifier under Visible Light Irradiation″	Environmental Science and Pollution Research, 23, 21395–21406(2016)	
2016	Kamonchanok Roongraun, Navadol Laosiripojana, Surawut Chuangchote	″Development of Photocatalytic Conversion of Glucose to Value-added Chemicals by Supported-TiO2 Photocatalysts″	Applied Mechanics and Materials, 839, 39–43. (2016)	
2017	Navaporn Kaerkitcha, Surawut Chuangchote, Kan Hachiya, Takashi Sagawa	″Influence of the viscosity ratio of polyacrylonitrile/poly(methyl methacrylate) solutions on core-shell fibers prepared by coaxial electrospinning″	Polymer Journal, 49, 497–502, 2017	doi: 10.1038/pj.2017.8
2017	Chakkaphan Wattanawikkam, Wisanu Pecharapa, Keiichi N. Ishihara	″X-ray absorption spectroscopy analysis and magnetic properties of M-doped TiO2 nanoparticles (M=Co, Mn, Ni and Zn) prepared by co-precipitation method″	Ceramics International, 43 (2017) S397–S402.	
2017	C. Termvidchakorn, V. Itthibenchapong, S. Songtawee, B. Chamnankid, S. Namuangruk, K. Faungnawakij, T. Charinpanitkul, R. Khunchit, N. Hansupaluk, N. Sano and H. Hinode	Dehydration of D-xylose to furfural using acid-functionalized MWCNTs catalysts	Adv. Nat. Sci.: Nanosci. Nanotechnol. 8, 035006, (2017)	
2017	Hideaki Ohgaki, Hooman Farzaneh, Nasrudin Abd Rahim, Hang Seng Che, Mohd Amran Mohd Radzi, Wallace ShungHui Wong, Lai Chean Hung, ″	Study on Quality of Life Change for Rural Community through Rural Electrification by Renewable Energy: Preliminary Result	ASEAN Journal of Management & Innovation, ISSN 2351-0307, in Volume 4 Number 2(2017)	
2017	Chaichana, C., Wongsapai, W., Damrongsak, D., Ishihara, N. I., & Luangchosiri, N.	Promoting Community Renewable Energy as a tool for Sustainable Development in Rural Areas of Thailand.	Energy Procedia, 141, 114–118. (2017)	https://doi.org/10.1016/j.egypro.2017.11.022
2017	Weerachon Phoohinkong, Sorapong Pavasupree, Anucha Wannagon, Kanokthip Boonyarattanakalin, Wanichaya Mekprasart, Wisanu Pecharapa	“Characterization and X-ray Absorption Near Edge Spectroscopy of Nanoparticles Derived from Natural Ilmenite Ore via Acid-assisted Mechanical Ball-milling Process”	Advances in Natural Sciences: Nanoscience and Nanotechnology, 8, (2017) 035012	
2017	Thanaphon Kansaard, Weerachon Phoohinkong, Wanichaya Mekprasart, Samanya Sanguanpak, Anucha Wannakon and	“Comparative study of photocatalytic activity of titanium-rich materials derived from natural minerals ores using acidic	Key Engineering Materials, Vol.751 (2017), pp. 813–818.	
2017	Weerachon Phoohinkong, Sorapong Pavasupree, Wanichaya Mekprasart, and Wisanu Pecharapa,	“Synthesis of low-cost titanium dioxide-based heterojunction nanocomposite from natural ilmenite and leucoxene for electrochemical energy storage materials”	Current Applied Physics, Vol.18, S44–S54 (2017)	DOI: 10.1016/j.cap.2017.11.023
2017	Trairat Muangthong-on,Janewit Wannapeera,Hideaki Ohgaki, Kouichi Miura	TG-DSC Study To Measure Heat of Desorption of Water during theThermal Drying of Coal and To Examine the Role of Adsorption of Water Vapor for Examining Spontaneous Heating of Coal over 100 ° C	Energy Fuels, 2017, 31 (10) pp 10691–10698	DOI: 10.1021/acs.energyfuels.7b01836
2017	Trairat Muangthong-on,Janewit Wannapeera,Hideaki Ohgaki, Kouichi Miura	Examination of Interactions of Solvent-Treated Coal with Oxygen and Water Vapor at Over 100 ° C Using TG-DSC for Examining Propensity to Spontaneous Heating of the Solvent-Treated Coal	Energy Fuels, 2017,31 (11) pp 11723–11730	DOI: 10.1021/acs.energyfuels.7b01906
2017	Trairat Muangthong-on,Janewit Wannapeera,Supachai Jadsadajerm,Nakorn Worasuwannarak, Hideaki Ohgaki, Kouichi	Effect of Solvent on the Degradative Solvent Extraction of Low Rank Coal.	Energy Fuels, 31 (11) pp 11954–11962	DOI: 10.1021/acs.energyfuels.7b02352
2017	Nutsanun Klueb-arb, Surawut Chuangchote, Kamonchanok Roongraung, Navadol Laosiripojana, Takashi Sagawa,	Fabrication of Several Metal-Doped TiO2 Nanoparticles and Their Physical Properties for Photocatalysis in Energy and Environmental Applications	Journal of Sustainable Energy & Environment,	
2017	Puangphen Hongdilokkul, Surawut Chuangchote, Navadol Laosiripojana, Takashi Sagawa	Conversion of Lignin via Photocatalysis Using Synthesized Ag-TiO2 Photocatalysts Sintered under Different Atmospheres	Journal of Sustainable Energy & Environment,	
2017	K. Kerdnawee, P. Kuptajit, N. Sano, H. Tamon, W. Chaiwat, T. Charinpanitkul	“Catalytic Ozonation of Oxy-tetracycline Using Magnetic Carbon Nanoparticles”	Journal of the Japan Institute of Energy, 96 (9), 362–366. (2017)	https://doi.org/10.3775/jie.96.362
2017	C. Termvidchakorn, N. Sano, H. Tamon, N. Viriya-Empikul, K. Faungnawakij, T. Charinpanitkul	“Conversion of D-Xylose to Furfural via Catalytic Dehydration Using Carbon Nanohorns Hybridized with NiCu	Journal of the Japan Institute of Energy, Volume: 96 Issue: 9 Start Page 380–385	https://doi.org/10.3775/jie.96.380
2017	C. Termvidchakorn, V. Itthibenchapong, S. Songtawee, B. Chamnankid, S. Namuangruk, K. Faungnawakij, T. Charinpanitkul, R. Khunchit, N. Hansupaluk, N. Sano and H. Hinode	″Dehydration of D-xylose to furfural using acid-functionalized MWCNTs catalysts″	Adv. Nat. Sci.: Nanosci. Nanotechnol. 8, 035006, (2017)	https://doi.org/10.1088/2043-6254/aa7234
2017	Chakkaphan Wattanawikkam, Wisanu Pecharapa and Keiichi Ishihara	“X-ray absorption spectroscopy analysis and magnetic properties of M-doped TiO2 nanoparticles (M=Co, Mn, Ni and Zn) Prepared by co-precipitation method”	Ceramics International, Vol. 43 S1, pp. s397–s402(2017)	