

SACC 2017 Poster Presentation

| Poster No. | Given/First Name | Family/Last Name | Title of Abstract | Institution | Authors | Co-Authors |
|------------|------------------|------------------|--|--|-------------------------|--|
| 1 | Nattanon | Chartsakulsak | Effect Of Dopants On Pt/Γ-Al ₂ O ₃ Catalyst In Propane Dehydrogenation | Chulalongkorn University, Thailand | Chartsakulsak, Nattanon | |
| 2 | Quang Thang | Trinh | Subsurface Boron Doped Copper For Methane Activation And Coupling: First Principles Investigation Of The Structure, Activity And Selectivity Of The Catalyst | Nanyang Technological University, Singapore | Quang Thang, TRINH | Samir H., MUSHRIF |
| 3 | Jithin John | Varghese | The Contribution Of Nickel And Oxygen Vacancies And Of Low Valent Dopants In Altering Surface Reactivity Of NiO For C-H Activation | Campus for Research Excellence and Technological Enterprise, Nanyang Technological University, Singapore | Varghese, Jithin John | Mushrif, Samir H. |
| 4 | Narendra | Singh | Electrospun TiO ₂ Nanofibers And Their Modifications Towards Environmental Remediation Via Photocatalysis | Indian Institute of Technology Kanpur, Kanpur India | Singh Narendra | Gupta Raju Kumar |
| 5 | Kartavya | Bhola | The Influence Of Hubbard U Parameter In Simulating Adsorption And Reactivity On CuO Surface(S): A Combined Theoretical And Experimental Study | Nanyang Technological University, Singapore | Bhola, Kartavya | Dapeng Liu, Yan Lui, Mushrif Samir H. |
| 6 | Nurudeen | Salahudeen | Effect Of Zsm-5 Incorporation On The Gasoline Yield And Selectivity Of A Composite Fcc Catalyst | Bayero University, Kano, Nigeria | Salahudeen, Nurudeen | Ahmed, A. Abdulkarim |
| 7 | Xian-Ying | Shi | Rhodium(III)-Catalyzed (E)-3-Ylidenephthalide Synthesis Via A Tandem C-H Olefination And Oxidative Cyclization Of Aromatic Acids With Acrylates | Shaanxi Normal University, China | Shi, Xian-Ying | |
| 8 | Jyotsna | Arora | Catalytic Influence Of Naturally Occurring Salts On Biomass Pyrolysis Chemistry: A Density Functional Theory Study | Nanyang Technological University, Singapore | Arora, Jyotsna S. | Ansari, Khursheed B. and Mushrif, Samir H. |
| 9 | Ojus | Mohan | A Benchmarking Study Using Co And Co ₂ Adsorption Energies On Nickel Surface | Nanyang Technological University, Singapore | Mohan, Ojus | Banerjee, Arghya; Su, Haibin and Mushrif, Samir H. |
| 10 | Tan | Huang | Three Dimensional Pd Nanoassemblies For Efficient Formic Acid Electro-Oxidation | Nanyang Technological University, Singapore | Tan Huang | Jong-Min Lee |
| 11 | Desmond | Ng | Interplay Of Dopant And Support On NiO Catalysts For The Oxygen Evolution Reaction | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Ng, Desmond | García-Melchor, Max; Bajdich; Chakthranont, Pongkarn; Kirk, Charlotte; Vojvodic, Aleksandra; Jaramillo, Thomas |
| 12 | Arghya | Banerjee | Reaction Pathways For The Deoxygenation Of Biomass Pyrolysis Derived Bio-Oil On Ru: A Dft Study Using Furfural As A Model Compound | Nanyang Technological University, Singapore | Banerjee, Arghya | Mushrif, Samir H. |
| 13 | Wenguang | Tu | Tuning Nitrogen Vacancy Density Confined In Graphitic Carbon Nitride Nanosheets For Efficient Visible-Light-Driven Solar Fuel Synthesis | Nanyang Technological University, Singapore | Wenguang Tu | Rong Xu |
| 14 | Shuyang | Wu | Flame Synthesis Of Metal Oxide For Energy And Environmental Application | Nanyang Technological University, Singapore | Wu Shuyang | |
| 15 | Sanjay | Katheria | Promotional Effect Of Rh On Ni/MgAl ₂ O ₄ Catalyst For Steam Reforming Of Methane: Effect Of Calcination Temperature | Indian Institute of Technology Kanpur, Kanpur India | Katheria, Sanjay | Deo, Goutam; Kunzru, Deepak |
| 16 | Abdul Majeed | Seayad | Sustainable Catalytic N- And C-Alkylation Using Alcohols | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Seayad, Abdul Majeed | |
| 17 | James David | Nobbs | Heterocyclic Phosphine Ligands In Tandem Isomerising Carbonylation Reactions | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Nobbs, James David | Stubbs, Ludger Paul; Wang, Cun; Low, Choon Heng; Drent, Eite(2); and van Meurs, Martin |
| 18 | Bin | Zhang | Stabilizing Noble Metal Single-Atom Catalysts On Heteropoly Acids | National University of Singapore | Zhang, Bin | Yan, Ning |
| 19 | Yunzhu | Wang | New Catalytic System For N-Containing, Value-Added Chemicals | National University of Singapore | WANG, Yunzhu | YAN, Ning* |
| 20 | Weiping | Deng | The Efficient Synthesis Of Amino Acids From Biomass-Based Acids: An Alanine Case | National University of Singapore | Deng, Weiping | Wang, Yunzhu; Yan, Ning |
| 21 | Yee Hwee | Lim | Green Fluorination Technology: Improved Efficiency & Promiscuity Of Engineered Fluorinase | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Lim, Yee Hwee | Sun, Huihua; Yeo, Wan Lin; Chew, Xinying; Smith, Derek J.; Chan, Kok Ping; Xue, Bo; Robinson, Robert C.; Zhao, Huimin; Ang, Ee Lui |

SACC 2017 Poster Presentation

| | | | | | | |
|----|--------------------|---------|--|---|---|--|
| 22 | Zhang | Zhang | Stable And Atomically Dispersed Platinum Catalyst For Reactions Under Drastic Conditions | National University of Singapore | Zhang, Zhang | Yan, Ning |
| 23 | Stanley Tze Chiang | Eey | One-Pot Palladium-Catalyzed Multi-Step Cross-Coupling Sequences Of Borylation, Suzuki And Amination | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Eey, S. T.-C. | Jong, H., Lim, Y. H., Yong, F. F., Johannes, C. W., and Robins, E. G. |
| 24 | Velina | Markova | Hydrogenation Of Ethene On Zeolite-Supported Rh4 Cluster. A Dft Study And Microkinetic Modeling | Institute of High Performance Computing, A*STAR, Singapore | Markova, Velina (a) | Vayssilov, Georgi (b); Genest, Alexander (a); Rösch, Notker (a,c) |
| 25 | Wenqing | Li | Computational Studies On Structure, Electronic, And Chemical Properties | Institute of High Performance Computing, A*STAR, Singapore | Li, Wenqing | Fjermestad, Torstein (a); Genest, Alexander (a); Rösch, Notker (b) |
| 26 | Graham | Rugg | Ethanol Dehydration And Dehydrogenation Over Rh(I) Exchanged Faujasite: A Qm/Mm Study | Institute of High Performance Computing, A*STAR, Singapore | Rugg, Graham (a) | Govindasamy, Agalya (a); Markova, Velina (a), Genest, Alexander (a), Rösch, Notker (a,b) |
| 27 | Shipeng | Ding | Lignin Hydrogenolysis Over Nickel Based Bimetallic Catalysts | National university of singapore | Ding Shipeng | Yan Ning |
| 28 | Chee Keong | Goh | Study On The Silica-Supported And Alumina-Supported Iron Catalysts By Microwave Treatment For Fischer-Tropsch Synthesis | Republic Polytechnic, Singapore | Chee Keong Goh | Lok Hing Tang |
| 29 | Hwei Voon | Lee | Production Of Palm-Based Cellulose Nanomaterial Via Catalytic Hydrolysis Reaction | University of Malaya, Malaysia | Lee, Hwei Voon | Wan Hasamudin, Wan Hassan, Mazlita, Yahya and Chen, You Wei |
| 30 | Qingxin | Li | Production Of Mono-Rhamnolipids From Fermentation Of Isolate Pseudomonas Sp. | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Li, qingxin | Chong, Hui Qing; Chan, Sherry |
| 31 | Fu | Yang | Thermal-Induced Surface Defective Fe/Co 2-Dimensional Hybrid Composites And Its Enhanced Catalytic Oxidation Activity In Feton-Like Reaction | National University of Singapore | Yang, Fu | Yan, Ning |
| 32 | Bryony | Ashford | Plasma-Catalytic Utilisation Of Co2 For The Prevention Of Global Warming | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Ashford, Bryony | Poh, Chee Kok. Chen, Luwei. Tu, Xin. |
| 33 | Parviz | Yazdani | Tuning The Catalytic Selectivity In Glucose Hydrogenolysis Over La2O3 Modified Cu/Al2O3 Catalyst | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Yazdani, Parviz1,2 | Wang, Bo1 Kawi, Sibudjing2 Borgna, Armando1,2 |
| 34 | Luming | Li | Self-Propagated Flaming Method To Prepare Layered Transition Metal Doped Δ -MnO ₂ Hybrid Composites For Total Oxidation Of Gaseous Toluene | Sichuan University, China | Li Luming | Fangli Jing, Xionghua Fan, Wei Chu |
| 35 | Yanan | Zhou | Theoretical Investigation Of The Effect Of Doping Ni With Ag On Acetylene Adsorption On Ordered Nixag1-X/Ni (111) | Sichuan University, China | Zhou Yanan | Zheng Jian, Chu Wei, Gao Xiaoping, Zhou Xuan, Xue Ying |
| 36 | Zhanglong | Guo | The Hydrogenation/Dehydrogenation Activities Over Highly Dispersed Ni-Al Mixed Metal Oxides Catalysts | Institute of Chemical & Engineering Sciences (ICES), A*STAR, Singapore | Guo, Zhanglong a,b, Liu, Yan b,* , Chu, Wei a,* Zheng Jia'E b | |
| 37 | Kelvin | Kwok | Silica-Encapsulated Molybdenum Disulfide Nanosheets For Hydrogen Sulfide Dissociation | National University of Singapore / Institute of Chemical & Engineering Sciences (ICES), A*STAR. Singapore | Kwok, Kelvin Mingyao; Chen, Luwei; Zeng, Hua Chun | |
| 38 | Guowu | Zhan | An Alternative Synthetic Approach For Macro-Meso-Microporous Mof Via "Domain Growth" Mechanism | National University of Singapore | ZHAN, GUOWU | ZENG, HUA CHUN |
| 39 | Ji | Liu | Coupled Immobilized Amine Dehydrogenase And Glucose Dehydrogenase For Asymmetric Synthesis Of Amines By Reductive Amination With Cofactor Recycling | National University of Singapore | Liu, Ji | Li, Zhi, Bryan PANG, Joe Adams, Radka Snajdrova |
| 40 | Benedict Ryan | Lukito | Process Development For Biphasic-Cascade Biotransformation Of Styrene To 2-Phenylethanol | National University of Singapore | Lukito, Benedict Ryan | Wu, Shuke and Li, Zhi* |