

Day 4 - 19th December 2018, Wednesday

| Time | Program | | | | | |
|-------------|--|---|--|---|--|--|
| 08:30-09:15 | Auditorium 2 | | | | | |
| | <i>Session Chair: Bengang Xing</i> | | | | | |
| | Plenary Session Molecular sensing of tumor microenvironment for broadband detection and precision surgical removal of cancer Samuel Achilefu (10-0458) | | | | | |
| 9:15-9:45 | Poster Award Presentation | | | | | |
| 9:45-9:50 | Movement | | | | | |
| 09:50-10:25 | Session 1 | Session 2 | Session 3 | Session 4 | | |
| | Auditorium 2 | Lecture Theatre 50 | Lecture Theatre 51 | Lecture Theatre 52 | | |
| | <i>Session Chair: Jie Wu</i> | <i>Session Chair: Wei Wang</i> | <i>Session Chair: Shu Sin Chng</i> | <i>Session Chair: Hongjin Fan</i> | | |
| | Keynote Session Programmable Organic Synthesis Jeffrey Bode (0568) | Keynote Session Optoelectronic Processes in Covalent Organic Frameworks Thomas Bein (03-0382) | Keynote Session Aggregation-Induced Emission: Materials and Biomedical Applications Bin Liu (10-0022) | Keynote Session Flexible and Stretchable Energy Conversion and Storage Pooi See Lee (06-0570) | | |
| 10:25-10:50 | Tea Break | | | | | |
| | Symposium 1 | Symposium 2 | Symposium 3 | Symposium 4 | Symposium 5 | |
| | Lecture Theatre 50 | Lecture Theatre 51 | Seminar Room 5 | Lecture Theatre 52 | Lecture Theatre 53 | |
| | <i>Session Chair: Jie Wu</i> | <i>Session Chair: Yanli Zhao</i> | <i>Session Chair: Da-Wei Wang</i> | <i>Session Chair: Zhe Sun</i> | <i>Session Chair: Yulin Zhong</i> | |
| 10:50-11:15 | Photoredox Catalysis: Organic Synthesis with Visible Light (I) Burkhard Konig (0178) | Responsive Rotaxane Dendrimers Towards Drug Encapsulation and Delivery (I) Ken Leung (0057) | Porous hypercrosslinked polymer-TiO ₂ -graphene sandwich photocatalysts for visible-light-driven CO ₂ conversion (I) Bien Tan (0224) | Synthesis of Highly Curved Nitrogen-Containing Buckybowls (I) Shingo Ito (0056) | 2D heterostructures for high performance gas sensors (I) Xiao Huang (0173) | |
| 11:15-11:30 | Photoinduced Electron Transfer and Energy Transfer for Chemical Transformation (I) Li Zhu Wu (0220) | Metal-Organic Knots: Synthesis and Application (I) Ali Trabolsi (0196) | Conjugated Porous Organic Polymers for Gas Sorption and Chemical Catalysis (I) Bao-Hang Han (0143) | Synthesis of Monodisperse N-Doped Graphene Nanoribbons Reaching 7.7 Nanometers in Length (I) Aurelio Mateo-Alonso (Koke) (0250) | High-Performance Graphene Materials via Electrochemical Ways (I) Junzhong Wang (0333) | |
| 11:30-11:40 | | | | | | |
| 11:40-11:45 | Photoredox Catalysis: Fluoroalkylation and Beyond (I) Munetaka Akita (0045) | Buckybowl Corannulene: A Unique Building Block for the Synthesis of Functional Materials (I) Mihaela Stuparu (0424) | Advance of porous organic polymers on photothermal therapy (I) Jia Guo (0236) | Macrocyclic Polyradicaloids with Unusual Super-ring Structure and Global Aromaticity (CL) Chunchen Liu (0305) | Chemical Vapor Deposition Growth of Patterned Graphene and hexagonal Boron Nitride using a "Gettering" Approach (I) Tom Luozheng Tang (0354) | |
| 11:45-11:55 | | | | | | |
| 11:55-12:05 | | | | | | |
| 12:05-12:10 | Alkoxy radical-promoted remote C(sp ³)-H activation (I) Chen Zhu (0099) | Chemical Self-Propelled Autonomous Micro/Nano: Towards Sense-and-Act Applications (I) Martin Pumera (0462) | | Bis(azuleno)indacenes and Their Dications: The Shift of the Local Aromaticity and Antiaromaticity (CL) Qing Jiang (0297) | Detecting magnetic field dependence of bound states in bilayer graphene (CL) Yi-wen Liu (0170) | |
| 12:10-12:20 | | | | | | Super-octazethrene (CL) Wangdong Zeng (0292) |
| 12:20-12:25 | | | | | | |
| 12:25-12:30 | | | | | | |
| 12:30-12:35 | | | | | | |
| 12:35-12:45 | Photocatalytic Synthesis via Selective Hydrogen Atom Transfer (HAT) (I) Davide Ravelli (0080) | | | | Electromagnetic shielding effectiveness of ultra-light reduced graphene oxide aerogels decorated with cobalt ferrite and zinc oxide (CL) Shivam Gupta (0537) | |
| 12:45-12:50 | | | | | | |
| 12:50-12:55 | | | | | | |
| 13:00-14:00 | Foyer | | | | | |
| | Lunch and Departure | | | | | |

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| | Symposium 6 | Symposium 7 | Symposium 8 | Symposium 9 | Symposium 10 | Symposium 6 |
| | Seminar Room 1 | Global Learning Room | Seminar Room 3 | Seminar Room 4 | Seminar Room 12 | Seminar Room 2 |
| | <i>Session Chair: Won Il Park</i> | <i>Session Chair: Junfa Zhu</i> | <i>Session Chair: Shuangyin Wang</i> | <i>Session Chair: Ohyama Junya</i> | <i>Session Chair: Bengang Xing</i> | <i>Session Chair: Gongming Wang</i> |
| 10:50-11:15 | Formation energy control of Si-doped hematite for efficient water splitting (I) Ji-hyun Jang (0119) | On-surface Metal-ligand Coordination for Single-site Heterogeneous Catalysts on High-surface Area Oxide Supports (I) Steve Tait (0383) | Ultrasensitive and Robust Organic Thin-Film Gas Sensors from Squaramides (I) Jing-Hui He (0271) | Supramolecular Photocatalysts for Pollutant Degradation and Tumor Removal (I) Yongfa Zhu (0427) | Development of Fluorogenic Probes for Selective Detection of Cardiolipin (I) Dan Yang (0456) | Solid Electrolyte Interphase-free Nanowire Anodes Anchored inside Graphene-based Micro-tubular Potential Sheath (I) Won Il Park (0254) |
| 11:15-11:30 | Design of Molecular Solid Catalysts for Energy Conversion (I) Rong Xu (0185) | Multiplication of Active Edge Sites by Controlled Anisotropic Steam Etching of 2D materials (I) Mingdong Dong (0100) | Significantly Enhancement in the Seebeck Coefficient and Power Factor of Thermoelectric Polymers by Polymer Electrolytes (CL) Xin Guan (0278) | Catalytic Conversion of Levulinic Acid (I) Fuwei Li (0554) | Imaging and Manipulating GPCRs in Live Cells with External Light (I) Takeaki Ozawa (0139) | Regulation of electric behavior in two-dimensional inorganic solids for flexible supercapacitors (I) Changzheng Wu (0252) |
| 11:30-11:40 | | | Next-generation OLEDs: new materials and emission mechanism (CL) Le Yang (0281) | | | |
| 11:40-11:45 | Surface functionalization of energy-related materials (I) Gongming Wang (0477) | Design of 2D monolayers for hydrogen production (I) Hui Pan (0034) | [Movement area] | Study on the Catalyst for Converting Biomass into High Value-added Small Molecules (CL) Chao Zhang (0370) | Engineering Proteins for Multiparameter Optical Imaging and Control of Cellular Signalling (I) Robert Campbell (0060) | Iron Oxide-Based Electrode Materials for Supercapacitors (I) Hui Xia (0360) |
| 11:45-11:55 | | | | | | |
| 11:55-12:05 | | | | | | |
| 12:05-12:10 | Promoting surface charge utilization by incorporating novel ternary ZnCoMn layered double hydroxide nanowall with bismuth vanadate for efficient photoelectrochemical water oxidation (CL) Truong-Giang VO (0471) | Facile Fabrication of Concentrated Polymer Brushes with Complex Patterning via Photo-Controlled Organocatalyzed Living Radical Polymerization (CL) Chen-Gang Wang (0176) | [Movement area] | [Movement area] | Probe development for systematic molecular imaging of Alzheimer's disease (I) Chongzhao Ran (0096) | Aqueous asymmetric supercapacitors made of Carbon and other 2D materials beyond graphene (I) Chang Yu (0451) |
| 12:10-12:20 | | | | | | |
| 12:20-12:25 | Efficient p-i-n perovskite solar cells with improved photovoltage (CL) Rui Su (0367) | Atomically precise bottom-up synthesis of graphene molecules with zigzag edge topology (CL) Jie Su (0239) | [Movement area] | [Movement area] | Spatiotemporal-controlled Reporter for Cell Surface Proteolytic Enzyme Activity Visualization (CL) Haolun Cheong (0511) | [Movement area] |
| 12:25-12:30 | | | | | | |
| 12:30-12:35 | | | | | | |
| 12:35-12:45 | High-Performance Inverted Planar Perovskite Photovoltaics via Lead Acetate Precursor and Its Crystallization Mechanism Study (CL) Lichen Zhao (0401) | Semiconducting to Metallic Transitions Observed in Polyferrocene Nanowires (CL) Vijai Meena Santhini (0564) | [Movement area] | [Movement area] | [Movement area] | [Movement area] |
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