

Day 3 - 18th December 2018, Tuesday

Time	Program					
08:30-09:15	Auditorium 2					
	<i>Session Chair: Junfa Zhu</i>					
	Plenary Session Model Systems in Heterogeneous Catalysis: Surface Chemistry of Complex Systems at the Atomic Level Hajo Freund (07-0011)					
09:15-09:20	Movement					
09:20-09:55	Session 1	Session 2	Session 3	Session 4		
	<i>Auditorium 2</i>	<i>Lecture Theatre 50</i>	<i>Lecture Theatre 51</i>	<i>Lecture Theatre 52</i>		
	<i>Session Chair: Chunyan Chi</i>	<i>Session Chair: Jiong Lu</i>	<i>Session Chair: Donglin Jiang</i>	<i>Session Chair: Ming Joo Koh</i>		
	Keynote Session Template-Directed Synthesis and Electronic Delocalization in Molecular Nanocages and Nanorings Harry L. Anderson (04-0232)	Keynote Session Surface chemistry with porphyrins on metal and oxide surfaces Hans-Peter Steinruck (07-0084)	Keynote Session Controlled Synthesis of 2D Covalent Organic Frameworks William Dichtel (03-0340)	Keynote Session Molecular Transformation by Sodium Hydride-Iodide Composite Shunsuke Chiba (01-0078)		
09:55-10:20	Tea Break					
	Symposium 1	Symposium 2	Symposium 3	Symposium 4	Symposium 5	Symposium 6
	<i>Seminar Room 1</i>	<i>Lecture Theatre 50</i>	<i>Lecture Theatre 51</i>	<i>Lecture Theatre 52</i>	<i>Lecture Theatre 53</i>	<i>Seminar Room 3</i>
	<i>Session Chair: Yu Zhao</i>	<i>Session Chair: Ali Trabolsi</i>	<i>Session Chair: Thomas Bein</i>	<i>Session Chair: Lei Fang</i>	<i>Session Chair: Luo Xin</i>	<i>Session Chair: Cheng Yang</i>
10:20-10:45	New Methods for C-N Bonds Formation (I) Qian Zhang (0216)	Switching Macroscale Features of 3D Printed Architectures through Molecular Control (I) Chenfeng Ke (0063)	Chiral Covalent Organic Frameworks for Asymmetric Catalysis (I) Yong Cui (0079)	Exploration of Novel Sulfur-Containing pi-Systems toward Unusual Yet Stable Functional Materials (I) Aiko Fukuzawa (0579)	From 2D honeycomb elemental layer to puckered elemental layer (I) Yunhao Lu (0593)	Bioinspired Multi-Scale Pores and Channels (I) Xu Hou (0438)
10:45-11:10	Sulfur Atom Transfer (SAT) Reaction (I) Xuefeng Jiang (0372)	Alkylated- π Functional Molecular Liquids: Liquid Physical Properties and Printed Electronics Applications (I) Takashi Nakanishi (0062)	From Twisted Aromatics to 2D Organic Frameworks (I) Aurelio Mateo-Alonso (Koke) (0248)	Multiphoton Excited Fluorescent Materials for Frequency Upconversion Stimulated Blue Emission with Ultralow-Threshold (I) Mansheng Wong (0031)	Reversible Magnetization of 2D Materials via Paramagnetic Ion Intercalation (I) Po Yen Chen (0543)	Novel graphite materials for aluminium battery and dual-ion battery (I) Bingan Lu (0359)
11:10-11:35	Total Synthesis of Resin Glycosides via Interrupted Pummerer Reaction Mediated Glycosylations (I) Qian Wan (0191)	Fighting Cholera Toxin with C5-Symmetric Rim-Differentiated Tiara-Pillar[5]arenes (I) Andrew Sue (0142)	Advancing atomic-resolution TEM of MOFs from "impossible" to "routine" (I) Yu Han (0470)	Conjugated Diimides Based n-Type Organic Semiconductors with Building Block from Naphthalene to Azulene (I) Xike Gao (0095)	Dynamic Processes of Functional Polymer Self-Assemblies Investigated by STM and Theoretical Approaches (I) Zhiyong Yang (0279)	3D printable electrode materials for energy storage (I) Hui Ying Yang (0444)
11:35-11:50	Highly Efficient Amide Bond Formation Using Micro-flow Technology (I) Shinichiro Fuse (0147)	Anion Recognition and Sensing via Anion-Induced Electron Transfer and Charge Transfer Interactions (I) Sourav Saha (0565)	Aqueous synthesis of imidazolate frameworks at room temperature for nitro compounds sensing (CI) Pawan Kumar (0581)	Conformation-Dictated Regulation of Luminescence Properties of Dibenzo[a,j]phenazine-Cored Twisted Donor-Acceptor-Donor Triads (I) Youhei Takeda (0081)	Engineered Hetero-Twinning Induced By Janus Graphene (I) Yu Wang (0110)	Research on Mechanism of electrochemical reaction at Interface of Li-O2 battery in Complex Systems (I) Ping He (0583)
11:50-12:00						
12:00-13:00	Lunch Lunch Talk by Xin Su (Angewandte Chemie) <i>Session Chair: Yanli Zhao</i>					

Day 3 - 18th December 2018, Tuesday

Auditorium 2						
Session Chair: Donglin Jiang						
Plenary Session New Dimensions of Porous Coordination Polymers/Metal-Organic Frameworks Susumu Kitagawa (03-0129)						
Movement						
13:00-13:45	Session 1	Session 2	Session 3	Session 4		
	Auditorium 2	Lecture Theatre 50	Lecture Theatre 51	Lecture Theatre 52		
	Session Chair: Kah Wee Ang	Session Chair: Qichun Zhang	Session Chair: Ye Zhu	Session Chair: Dan Zhao		
	Keynote Session Recent studies in Two Dimensional Carbonylative C-C Coupling Reactions Kian Ping Loh (05-0574)	Keynote Session Fabrication of Graphene and Other 2D Materials by Chemical Exfoliation Hui-Ming Cheng (05-0097)	Keynote Session Nanoscale Metal-Organic Frameworks: Emerging Materials for Catalysis Zhiyong Tang (06-0242)	Keynote Session Exploring New Applications of Covalent Organic Frameworks: Homogeneous Reticulation of Radicals for Nuclear Dynamic Polarization Wei Wang (03-0206)		
Tea Break And Poster Session						
Symposium 1	Symposium 2	Symposium 3	Symposium 4	Symposium 5	Symposium 6	
Lecture Theatre 50	Lecture Theatre 51	Seminar Room 1	Lecture Theatre 52	Lecture Theatre 53	Auditorium 2	
Session Chair: Shaozhong Ge	Session Chair: Chenfeng Ke	Session Chair: Guangshan Zhu	Session Chair: Zhaohui Wang	Session Chair: Kah Wee Ang	Session Chair: Seong-Ju Hwang	
15:25-15:50	Multicomponent Copper-Catalyzed Carbonylative C-C Coupling Reactions (I) Neal Mankad (0010)	Supramolecular Systems with Life-Like Mechanical Functions (I) Tibor Kudernac (0238)	Supramolecular Design Principles for 2D Covalent Organic Frameworks (I) Ronald A. Smaldone (0268)	Aza[8]circulenes: Novel Fluorescent Hetero-PAHs (I) Takayuki Tanaka (0033)	Hot carrier effects in van der Waals heterostructure optoelectronic devices (I) Goki Eda (0557)	From ordered atoms to reduced-order thermodynamics: how fading in Li ion cells affects the façades of discharge curves and entropy profiles (I) Harry Hoster (0457)
15:50-16:15	Harnessing Alkyl Amines for Nickel-Catalyzed Cross-Coupling Reactions (I) Mary Watson (0061)	Fabrication and Multifunctional Applications of Micro/Nano-Motors (I) Xing Ma (0072)	Metal-Organic Frameworks with Multicomponents in Order (I) Qiaowei Li (0041)	Nitrogen Analogues of Thiele's, Chichibabin's and Muller's Hydrocarbons (I) Xinping Wang (0059)	Robotic fabrication and quantum transport of van der Waals junctions of graphene and 2D materials (I) Tomoki Machida (0432)	Fire-Resistant Nanostructured Materials for Advanced Lithium-Ion Batteries (I) Xianluo Hu (0454)
16:15-16:40	Manganese-Group Organometallic Catalysis (I) Congyang Wang (0093)	Formation of Supramolecular Assemblies from Photofunctional Multiporphyrin Array Systems (I) Woo-Dong Jang (0008)	Heteropore Covalent Organic Frameworks: An Emerging Class of Crystalline Porous Organic Polymers with Hierarchical Porosities (I) Xin Zhao (0073)	Tuning Electronic States of Macrocyclic Molecular Systems by Introduction of 9,10-Anthrylenes (I) Akihiro Ito (0167)	Broadband White-Light Emission from Cationic Lead Halide Materials (I) Honghan Fei (0012)	Exploring Binding mechanisms in Energy Storage Devices (I) Edward Shanjing Zhang (0482)
16:40-16:55	Nickel-Mediated Decarbonylation of Simple Ketones (I) Mamoru Tobisu (0200)	Tunable Aggregation-Induced Phosphorescence on persulfurated aromatic compounds (I) Liangliang Zhu (0021)	Synthesis and Applications of Porous Organic Materials (I) Teng Ben (0088)	Near-Infrared Dyes Based on Ring-Expanded Porphyrins with No Meso-Bridges (I) Tetsuo Okujima (0135)	Interactions between lasers and 2D layered materials (I) Junpeng Lu (0114)	Electric Field Modulation Technologies for Stable Li Metal Anode (I) Cheng Yang (0141)
16:55-17:05						
17:05-17:10						Novel Hierarchical Structures based on Two-Dimensional Materials: Preparation and Energy-related Applications (CL) Xiehong Cao (0563)
17:10-17:20	Alkene Hydrofunctionalisation using Earth-Abundant Metal Catalysis (I) Stephen Thomas (0517)	Dynamic soft molding: faithful transfer print of true 3D hierarchical structures by spontaneous cracking and healing of soft material (I) Kangning Ren (0479)	Design and synthesis of porphyrin-based covalent organic frameworks for organic vapor capture and separation (I) Yanhong Xu (0272)	SWNT-inspired cylindrical molecules from bottom-up synthesis (I) Zhe Sun (0109)	Mass production of electrochemically-derived graphene oxide in a packed bed reactor and its application in nanocomposites (I) Yulin Zhong (0065)	Surface Engineered and Cation Tuned Nickel Phosphide Nanosheets for Highly Efficient Overall Water Splitting (CL) Khang Ngoc Dinh (0332)
17:20-17:25						
17:25-17:30						
17:30-17:35	Efficient Hydrosilylation of Organic Substrates using a Novel Iron Catalyst (CL) Ashfaq Bengali (0038)			Conjugated Organic Cations-based Hybrid Perovskites for Efficient Room-temperature Phosphorescence (CL) Hongwei Hu (0395)	Electrochemical exfoliation of black phosphorus and IV-VI semiconductors towards low dimensional structures (CL) Jing Li (0314)	
17:35-17:45						
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Coach Departure						
River Cruise						
Banquet Dinner						

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09:15-09:20	Movement				
09:20-09:55					
09:55-10:20	Tea Break				
	Symposium 7	Symposium 9	Symposium 10	Symposium 1	Symposium 6
	<i>Global Learning Room</i>	<i>Seminar Room 4</i>	<i>Seminar Room 12</i>	<i>Seminar Room 2</i>	<i>Seminar Room 5</i>
	<i>Session Chair: Nian Lin</i>	<i>Session Chair: Chuanjiang Jia</i>	<i>Session Chair: Cai-Guang Yang</i>	<i>Session Chair: Ye Zhu</i>	<i>Session Chair: Shanqing Zhang</i>
10:20-10:45	Bottom-up fabrication of atomically precise molecular nanostructures through on-surface synthesis (I) Sabine Maier (0244)	Selective Electrocatalysts for Direct Methanol Fuel Cells Running at High-Concentration Methanol (I) Jun Yang (0052)	Chemical Protein Modifications: Evolving Proteins Beyond The Genetic Code (I) Seah Ling Kuan (0104)	Transition-Meta-Free Direct C-C Bond Forming Reaction of Pyridines and Quinolines Using 1,1-Diborylalkanes as Alkylating Reagents (I) Seung Hwan Cho (0339)	X-ray Studies of CO ₂ Reduction Surface Reactions (I) Anders Nilsson (0575)
10:45-11:10	Understanding the mechanism of on-surface coupling reactions (I) Junfa Zhu (0140)	Surface Chemistry Engineering for Energy Conversion (I) Zongyou Yin (0113)	Reversible Covalent Modification of Non-Catalytic Cysteines with β -Chloroacetylacetamide (CFA) (I) Akio Ojida (0230)	Targeting Synthetic Reactions Applicable to Drug Discovery and Development (I) Ye Zhu (0347)	Energy Conversion and Storage on Exfoliated 2D Inorganic Nanosheets (I) Seong-Ju Hwang (0478)
11:10-11:35	Interface engineering for epitaxial growth of 2D phosphorene (I) Jialin Zhang (0243)	Two Dimensional Nanostructured Catalysts for Liquid-phase Organic Reactions (I) Chenliang Su (0468)	Fluorescent Probes for Single-Step Detection and Proteomic Profiling of Histone Deacetylases (I) Hongyan Sun (0071)	Exploiting Oxetanes and Azetidines for Asymmetric Synthesis (I) Jianwei Sun (0567)	
11:35-11:50	Surface engineering of two-dimensional black phosphorus towards advanced electronic and optoelectronic devices (Cl) Zehua Hu (0267)	PtCo Bimetallic Nanoparticles Supported on Carbon Materials for Biomass Conversion (I) Guang-Hui Wang (0356)	Interaction studies of the periplasmic protein in the OmpC-Mla system (Cl) Wen-Yi Low (0415)	Chiral Quaternary Ammonium Salts as Catalysts or Auxiliaries for Asymmetric Syntheses (I) Mario Waser (0040)	
11:50-12:00					
12:00-13:00	Lunch Lunch Talk by Xin Su (Angewandte Chemie) <i>Session Chair: Yanli Zhao</i>				

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Tea Break And Poster Session					
Symposium 7		Symposium 8		Symposium 9	
Global Learning Room		Seminar Room 3		Seminar Room 4	
Session Chair: Wei Xu		Session Chair: Jiayong Ouyang		Session Chair: Fang Lu	
Symposium 10		Symposium 3			
Seminar Room 12		Seminar Room 2			
Session Chair: Dan Yang		Session Chair: Bo Wang			
13:00-13:45					
13:45-13:50					
13:50-14:25					
14:25-15:25					
15:25-15:50	Helical molecules in flatland: chiral recognition, spin-filtering and molecular machines (I) Karl-Heinz Ernst (0115)	Modification of PEDOT:PSS and its applications in Opto-electronics (I) Kuan Sun (0017)	Tailoring Strong Acidity on Amorphous Silica-alumina for Bio-refining (I) Jun Huang (0121)	Development of gold-nanoparticle based probes for target identification and analysis of bioactive small molecules (I) Kaori Sakurai (0542)	Mesoporous Metal-Organic Framework -Host for Large Guests (I) Hexiang Deng (0545)
15:50-16:15	Metal-organic coordination on surfaces: towards complexity and functionality (I) Nian Lin (0255)	Organic Donor-Acceptor Complexes as Novel Organic Semiconductors (I) Jing Zhang (0029)	Characterization and Catalytic Performance of NiMo Catalysts Promoted by Cu and Ce for Hydrodeoxygenation of Guaiacol (I) Napida Hinchiranan (0186)	Vibrational Circular Dichroism and NMR Studies on Three-Dimensional Structure of Flexible Molecules in Solution State (I) Tohru Taniguchi (0453)	Engineering reaction-diffusion environments for chemistry and materials science (I) Josep Puigmarti-Luis (0334)
16:15-16:40	Molecular Topology and Surface Chemical Bond: Alternant vs. Non-Alternant Aromatic Systems as Functional Structural Elements (I) J. Michael Gottfried (0187)	Rational Design of Photovoltaic Materials for High-Performance Polymer Solar Cells (I) Chaohua Cui (0098)	Selective transformation of 2,5-hexanedione towards 3-methyl-2-cyclopentenone with γ -Al ₂ O ₃ /AlOOH nanocomposite catalyst (I) Shun Nishimura (0231)	N-Glycan and Metabolomic Profiling of Aging in Skin Fibroblasts (I) Sam Li (0397)	Exploring New Organic Porous Polymers: Structural Design and Function Expansion (I) Long Chen (0154)
16:40-16:55	Construction of Sierpiński Triangles up to the Fifth Order (I) Yongfeng Wang (0233)	One-step Catalyst Free C-N Coupling Reaction for Various Efficient OLED Materials (I) Youtian Tao (0118)	Nitrogen-Doped, Metal-Free Carbon Catalysts for CO ₂ and CO Activation (I) Jinzhu Chen (0087)	Infrared On-Chip Chem/Bio Sensors: Towards Precision Biagnostics (I) Boris Mizakoff (0586)	A pyrene based two-dimensional mesoporous hydrazone-linked covalent organic framework for photocatalytic hydrogen evolution (CL) Xiong Chen (0103)
16:55-17:05					A soluble, crystalline, covalent organic framework compatible with device implementation (CL) Cheng Gu (0253)
17:05-17:10	Study of Cyanogroup Modified Conjugated Molecular Assembly Structure and Polymerization Reaction on Surface (I) Li Wang (0132)	Some Cases on Molecule Engineering towards Polymer Solar Cells with High Efficiencies (I) Shengqiang Xiao (0190)	Covalent ligation of Co molecular catalyst to carbon cloth for efficient electroreduction of CO ₂ in water (I) Yijiao Jiang (0594)	Highly Stable DNA-modified Upconversion Nanoconjugates for Deep Tissue Imaging and Drug Delivery (CL) Sanyang Han (0054)	Redox Active Ligands: Design Strategies and Their Derived Functional Metal-Organic Frameworks (CL) Zhongyue Zhang (0535)
17:10-17:20					Using the Adsorption Property of MOFs for Catalytic and Energy Nanomaterials (CL) Wei Shi (0214)
17:20-17:25					
17:25-17:30	The Experimental Realization of Polyphony in Borophene (I) Lan Chen (0102)	Defect Chemistry of Electrocatalysts for Oxygen Reactions (I) Shuangyin Wang (0156)	Dioxidomolybdenum(VI) Complexes of Tripodal Tetradentate Ligands for Catalytic Oxygen Atom Transfer Between Benzoin and DMSO and for Oxidation of Pyrogallol (CL) Bhawna Uprety (0225)		
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