

# SUMMARY OF TECHNICAL PROGRAM

<b>Monday, December 2, 2013</b>	
<b>16:00</b> – <b>19:00</b>	Registration (LT-16, 4/F Podium, Academic Building 1)

<b>Tuesday, December 3, 2013</b>	
<b>07:45</b> – <b>08:45</b>	Registration (LT-16, 4/F Podium, Academic Building 1)
<b>08:45</b> – <b>09:00</b>	Opening Remarks (LT-18) <b>Vice President (Research &amp; Technology) Prof. Jian Lu</b> , City University of Hong Kong
<b>Plenary Talk I (LT-18)</b> <i>Chairman: Nobuo Ueno, Chiba University, Japan</i>	
<b>09:00</b> – <b>09:45</b>	<i>Interfacial Structure and Electrochemical Process Involved in Energy Conversion and Storage Devices</i> <b>Li-Jun Wan</b> , Institute of Chemistry, CAS, China [Plenary]
<b>Session I – OLED Display &amp; Lighting I (LT-18)</b> <i>Chairman: Nobuo Ueno, Chiba University, Japan</i>	
<b>09:45</b> – <b>10:15</b>	1.1 Exciplex forming co-hosts as a platform for high efficiency OLEDs <b>Jang-Joo Kim</b> , Seoul University, Korea [Invited]
<b>10:15</b> – <b>10:45</b>	1.2 Novel functional materials and engineering methods for high-efficiency phosphorescent OLEDs <b>Shaolong Gong</b> , University of Toronto, Canada [Invited]
<b>10:45</b> – <b>11:00</b>	<i>Coffee Break</i>
<b>Session II – OPV I (LT-18)</b> <i>Chairman: Weiguo Song, Institute of Chemistry, CAS, China</i>	
<b>11:00</b> – <b>11:30</b>	2.1 Water/alcohol soluble conjugated polymers for the interface engineering of high performance bulk-heterojunction solar cells <b>Fei Huang</b> , South China University of Technology, China [Invited]
<b>11:30</b> – <b>12:00</b>	2.2 High performance OPV based on solution processed small molecules <b>Yongsheng Chen</b> , Nankai University, China [Invited]
<b>12:00</b> – <b>12:30</b>	2.3 2D-Conjugated Polymer Donor Materials for Polymer Solar Cells <b>Yongfang Li</b> , Institute of Chemistry, CAS, China [Invited]
<b>12:30</b> – <b>14:15</b>	<i>Lunch (City Top Restaurant, 9/F, Amenities Building)</i>

<b>Session III A – New Materials for OLED and OPV I (LT-14)</b> <b>Chairman: Fei Huang, South China University of Technology, China</b>		<b>Session III B – Advanced Nanostructures for Energy and Biosensor Applications I (LT-16)</b> <b>Chairman: Zhiyong Tang, National Center of Nanoscience and Technology, China</b>	
14:15 – 14:45	3.1.1 <i>Robust Phosphorescent Platinum(II) Complexes Containing Tetradentate Ligands for Organic Light-Emitting Diode Applications</i> <b>C.M. Che</b> , The University of Hong Kong, Hong Kong [Invited]	14:15 – 14:45	3.2.1 <i>Recent development of the Surface Nanocrystallization: concept, processing, applications in energy</i> <b>Jian Lu</b> , City University of Hong Kong, Hong Kong [Invited]
14:45 – 15:15	3.1.2 <i>Molecular Dyes Containing Arylamine and/or Fluorene Derivatives for Light/Electrical Energy Conversion</i> <b>Wai-Yeung Raymond Wong</b> , Hong Kong Baptist University, Hong Kong [Invited]	14:45 – 15:15	3.2.2 <i>Synthesis and applications of novel two-dimensional nanomaterials</i> <b>Hua Zhang</b> , Nanyang Technological University, Singapore [Invited]
15:15 – 15:35	3.1.3 <i>Thermal Mono-silylation of 1,4-diethynylbenzene on Silicon</i> <b>Junjun Liu</b> , Hong Kong Baptist University, Hong Kong	15:15 – 15:45	3.2.3 <i>Metal Oxide Multi-Shelled Hollow Microspheres: Design, Synthesis &amp; Applications</i> <b>Dan Wang</b> , Institute of Process Engineering, CAS, China [Invited]
15:35 – 15:55	3.1.4 <i>Synthesis and Opto-electronic Properties of some fused-ring containing polymers</i> <b>Jinchang Huang</b> , South China University of Technology, China	15:45 – 16:00	<i>Coffee Break</i>
15:55 – 16:10	<i>Coffee Break</i>		
<b>Session IV A – OLED Display &amp; Lighting II (LT-14)</b> <b>Chairman: Kok-Wai Cheah, Hong Kong Baptist University, Hong Kong</b>		<b>Session IV B – Battery, Catalyst and Fuel Cell I (LT-16)</b> <b>Chairman: Dan Wang, Institute of Process Engineering, CAS, China</b>	
16:10 – 16:30	4.1.1 <i>Novel Host Materials for Highly-Efficiency Blue &amp; Warm-White PHOLEDs</i> <b>Zuo-Quan Jiang</b> , Soochow University, China	16:00 – 16:30	4.2.1 <i>Application of Nanomaterials and Nanostructures in Fuel Cells</i> <b>Zhiyong Tang</b> , National Center of Nanoscience and Technology, China [Invited]
16:30 – 16:50	4.1.2 <i>Energy Transfer in Polyfluorene Copolymer Used for White-light Organic Light Emitting Device</i> <b>Hua Wang</b> , Taiyuan University of Technology, China	16:30 – 17:00	4.2.2 <i>Fundamental Aspects of Disorder-Engineered Titanium Dioxide</i> <b>Samuel Mao</b> , University of California, Berkeley, USA [Invited]
16:50 – 17:10	4.1.3 <i>Controlling Triplet Energy by Novel Linkage Styles for Highly Efficient Hosts</i> <b>Hui Xu</b> , Heilongjiang University, China	17:00 – 17:20	4.2.3 <i>Mesoporous TiO<sub>2</sub> Single Crystals: Facile Shape-, Size- and Phase-controlled Growth and Efficient Photocatalytic Performance</i> <b>Xiaoli Zheng</b> , The Hong Kong University of Science and Technology, Hong Kong
17:10 – 17:40	4.1.4 <i>Functional materials for new design OLED</i> <b>Kok-Wai Cheah</b> , Hong Kong Baptist University, Hong Kong [Invited]		

<b>Wednesday, December 4, 2013</b>			
<b>Session V – Interface and Advanced Structures for Organic Electronic Devices I (LT-18)</b> <i>Chairman: Franky So, University of Florida, USA</i>			
<b>09:00</b> – <b>09:30</b>	5.1 <i>Band-gap states related to the nature of organic semiconductors controls the energy level alignment: Inert-gas exposure effects</i> <b>Nobuo Ueno</b> , Chiba University, Japan [Invited]		
<b>09:30</b> – <b>10:00</b>	5.2 <i>Energy Level Alignment at the Donor-Acceptor Interface of Polymer: Fullerene Bulk Heterojunction Organic Solar Cells</i> <b>Yongsup Park</b> , Kyung Hee University, Korea [Invited]		
<b>10:00</b> – <b>10:30</b>	5.3 <i>Is Graphene Chemical Vapor Deposition (CVD) Growth Epitaxial?</i> <b>Feng Ding</b> , Hong Kong Polytechnic University, Hong Kong [Invited]		
<b>10:30</b> – <b>10:45</b>	<i>Coffee Break</i>		
<b>Session VI – FET (LT-18)</b> <i>Chairman: Gilles Horowitz, Ecole Polytechnique, France</i>			
<b>10:45</b> – <b>11:15</b>	6.1 <i>Design and Synthesis of High-Mobility Materials and Their Applications</i> <b>Yunqi Liu</b> , Institute of Chemistry, CAS, China [Invited]		
<b>11:15</b> – <b>11:35</b>	6.2 <i>High-performance Top-gated Monolayer SnS<sub>2</sub> Field-effect Transistors and Their Integrated Logic Circuits</i> <b>Haisheng Song</b> , Huazhong University of Science & Technology, China		
<b>11:35</b> – <b>11:55</b>	6.3 <i>High Mobility Multibit Nonvolatile Memory Elements Based on Organic Field Effect Transistors with large hysteresis</i> <b>Ying Wang</b> , Technical Institute of Physics and Chemistry, China		
<b>11:55</b> – <b>12:15</b>	6.4 <i>Organic Multi-Bit Flash Memory</i> <b>Ye Zhou</b> , City University of Hong Kong, Hong Kong		
<b>12:15</b> – <b>12:30</b>	<i>Group Photo Taking</i>		
<b>12:30</b> – <b>14:00</b>	<i>Lunch (City Top Restaurant, 9/F, Amenities Building)</i>		
<b>Session VII A – Battery, Catalyst and Fuel Cell II (LT-14)</b> <i>Chairman: Feng Wang, City University of Hong Kong, Hong Kong</i>		<b>Session VII B – DSSC I (LT-16)</b> <i>Chairman: Yun Chi, National Tsing Hua University, Taiwan</i>	
<b>14:00</b> – <b>14:30</b>	7.1.1 <i>Applications of Atomic Layer Deposition for PEM Fuel Cells and Li Ion Batteries</i> <b>Xueliang Andy Sun</b> , The University of Western Ontario, Canada [Invited]	<b>14:00</b> – <b>14:30</b>	7.2.1 <i>Improving Photoresponse of Dye-Sensitized Solar Cell by Co-Sensitization</i> <b>Liyuan Han</b> , National Institute for Materials Science, Japan [Invited]
<b>14:30</b> – <b>15:00</b>	7.1.2 <i>Nanostructured Carbon-Sulfur Cathodes for Lithium-Sulfur Batteries</i> <b>Hui-Ming Cheng</b> , Institute of of Metal Research, CAS. [Invited]	<b>14:30</b> – <b>14:50</b>	7.2.2 <i>Novel Central Functionalized Squaraine Sensitizers for Highly Efficient and Durable Dye-Sensitized Solar Cells</i> <b>Chuanjiang Qin</b> , National Institute for Materials Science, Japan
<b>15:00</b> – <b>15:30</b>	7.1.3 <i>Plasmas-assisted synthesis and doping of graphene and its application in lithium ion batteries</i> <b>Wenjun Zhang</b> , City University of Hong Kong, Hong Kong [Invited]	<b>14:50</b> – <b>15:10</b>	7.2.3 <i>High Efficiency Semiconductor Sensitized Solar Cells with Hierarchically Architected Photoanodes</i> <b>Zonglong Zhu</b> , Hong Kong University of Science and Technology, Hong Kong
		<b>15:10</b> – <b>15:30</b>	7.2.4 <i>Thiocyanate-free Ru( II) sensitizers for dye-sensitized solar cells based on the cobalt redox couple</i> <b>Kuan-Lin Wu</b> , National Tsing-Hua University, Taiwan

<b>15:30</b> – <b>15:50</b>	7.1.4 <i>Functional nanomaterials enabled by convenient electrochemical methods</i> <b>Yangyang Li</b> , City University of Hong Kong, Hong Kong	<b>15:30</b> – <b>15:50</b>	7.2.5 <i>Dye-sensitized solar cells based on ZnO nanotetrapods</i> <b>Qi Pang</b> , Guangxi University, China
<b>15:50</b> – <b>16:05</b>	<i>Coffee Break</i>	<b>15:50</b> – <b>16:10</b>	7.2.6 <i>Dithiafulvenyl Unit as a New Donor for High-Efficiency Dye-Sensitized Solar Cells</i> <b>Kunpeng Guo</b> , Taiyuan University of Technology, China
		<b>16:10</b> – <b>16:25</b>	<i>Coffee Break</i>
<b>Session VIII A – Interface and Advanced Structures for Organic electronic Devices II (LT-14)</b> <i>Chairman: Yongsheng Chen, Nankai University, China</i>		<b>Session VIII B – Advanced Nanostructures for Energy and Biosensor Applications II (LT-16)</b> <i>Chairman: Xueliang Andy Sun, The University of Western Ontario, Canada</i>	
<b>16:05</b> – <b>16:35</b>	8.1.1 <i>Organic PL/EL and PV (PD with effect of PV) based on intermolecular exciplex formation</i> <b>Wenlian Li</b> , Changchun Institute of Optics, Fine Mechanics and Physics, CAS, China [Invited]	<b>16:25</b> – <b>16:55</b>	8.2.1 <i>Biosensors based on electrolyte-gated organic field-effect transistors</i> <b>Gilles Horowitz</b> , Ecole Polytechnique, Canada [Invited]
<b>16:35</b> – <b>17:05</b>	8.1.2 <i>Photovoltage Loss in Excitonic Solar cells</i> <b>Sai Wing Stephen Tsang</b> , City University of Hong Kong, Hong Kong [Invited]	<b>16:55</b> – <b>17:25</b>	8.2.2 <i>Tuning Upconversion in Lanthanide-Doped Core-Shell Nanoparticles</i> <b>Feng Wang</b> , City University of Hong Kong, Hong Kong [Invited]
<b>17:05</b> – <b>17:35</b>	8.1.3 <i>Polymer Brushes: An Interfacial Material for Flexible, Stretchable and Wearable Electronics</i> <b>Zhijian Zheng</b> , Hong Kong Polytechnic University, Hong Kong [Invited]	<b>17:25</b> – <b>17:55</b>	8.2.3 <i>Sulfur in the pore: tailoring coordination networks for metal uptake, sensing and other applications</i> <b>Zhengtao Xu</b> , City University of Hong Kong, Hong Kong
<b>18:00</b> – <b>19:30</b>	<i>Poster Session</i>		

<b>Thursday, December 5, 2013</b>			
<b>Session IX – New Materials for OLED &amp; OPV II (LT-18)</b>			
<i>Chairman: Furong Zhu, Hong Kong Baptist University, Hong Kong</i>			
09:00 – 09:30	9.1 Photofunctional Molecular Materials – From Design to Assembly and Functions <b>Wing-Wah Vivian Yam</b> , The University of Hong Kong, Hong Kong [Invited]		
09:30 – 10:00	9.2 Luminescent Materials with Aggregation-Induced Emission Characteristics for Efficient Non-Doped Organic Light-Emitting Diodes <b>Benzhong Tang</b> , Hong Kong University of Science and Technology, Hong Kong [Invited]		
10:00 – 10:20	9.3 Synthesis and Photophysical Properties Os(II) Complexes With Tridentate Ligand <b>Jia Ling Liao</b> , National Tsing Hua University, Taiwan		
10:20 – 10:40	Coffee Break		
<b>Session X – OLED Display &amp; Lighting III (LT-18)</b>			
<i>Chairman: Jang-Joo Kim, Seoul University, Korea</i>			
10:40 – 11:10	10.1 Corrugated Structures for OLED Light Extraction <b>Franky So</b> , University of Florida, USA [Invited]		
11:10 – 11:40	10.2 Efficient Spin-Coated Small Molecule OLEDs (SMOLEDs) and Highly Efficient ITO-Free OLEDs <b>Joseph Shinar</b> , The Ames Laboratory, USA [Invited]		
11:40 – 12:00	10.3 Charge-Transfer Complex Formation and Its Application in Near-Infrared Photocharge Generation <b>Tsz-Wai Karen Ng</b> , City University of Hong Kong, Hong Kong		
12:00 – 12:30	10.4 To be announced <b>Wei Huang</b> , Nanjing University of Technology, China [Invited]		
12:30 – 14:20	Lunch (City Top Restaurant, 9/F, Amenities Building)		
<b>Session XI A – OPV II (LT-14)</b>		<b>Session XI B – Battery Catalyst and Fuel Cell III (LT-16)</b>	
<i>Chairman: Chung-Chih Wu, National Taiwan University, Taiwan</i>		<i>Chairman: Hui-Ming Cheng, Institute of of Metal Research, CAS.</i>	
14:20 – 14:50	11.1.1 Role of interfaces in efficiency and stability of organic solar cells <b>Ruth Shinar</b> , IOWA State University, USA [Invited]	14:20 – 14:50	11.2.1 Photocatalytic Separate Evolution of H <sub>2</sub> and O <sub>2</sub> via Water Splitting by Novel Twin Photoreactor <b>Chi-Sheng Jeffrey Wu</b> , National Taiwan University, Taiwan [Invited]
14:50 – 15:20	11.1.2 High performance Pd catalyst for organic energy materials <b>Weiguo Song</b> , Institute of Chemistry, CAS, China [Invited]	14:50 – 15:20	11.2.2 Phosphorus-Based Photocatalysts for Hydrogen Generation from Water <b>Chai-Mei Jimmy Yu</b> , The Chinese University of Hong Kong, Hong Kong [Invited]
15:20 – 15:40	11.1.3 Light Manipulation of Organic Optoelectronics with Micro/Nano-Structures <b>Jian-Xin Tang</b> , Soochow University, China	15:20 – 15:50	11.2.3 Synthesis of Nanostructured Metal Oxide Materials and Their Applications in Li-ion Batteries and Supercapacitors <b>Xiong-Wen David Lou</b> , Nanyang Technological University, Singapore [Invited]
15:40 – 16:00	11.1.4 Flexible Organic Solar Cells with Graphene Transparent Electrodes <b>Zhike Liu</b> , Hong Kong Polytechnic University, Hong Kong	15:50 – 16:05	Coffee Break
16:00 – 16:20	Coffee Break		Coffee Break

<b>Session XII A – OLED Display &amp; Lighting IV (LT-14)</b> <i>Chairman: Joseph Shinar, The Ames Laboratory, USA</i>		<b>Session XII B – Advanced Nanostructures for Energy and Biosensor Applications III (LT-16)</b> <i>Chairman: Xiong-Wen David Lou, Nanyang Technological University, Singapore</i>	
<b>16:20</b> – <b>16:40</b>	12.1.1 <i>Control of Exciton Spin Statistics Through Spin Polarization in Organic Optoelectronic Devices</i> <b>Jianpu Wang</b> , Nanjing Tech University, China	<b>16:05</b> – <b>16:35</b>	12.2.1 <i>Multi-pronged Approaches towards Optimizing Charge Transfer and Transport in Composite Metal Oxide Nanostructures for Light Energy Conversion</i> <b>Jin-Zhong Zhang</b> , University of California, Santa Cruz, USA [Invited]
<b>16:40</b> – <b>17:00</b>	12.1.2 <i>High transmittance and barrier properties of thin-film encapsulations for top emission organic light-emitting diodes</i> <b>Yong-Qiang Yang</b> , Jilin University, China	<b>16:35</b> – <b>17:05</b>	12.2.2 <i>Development of Nanostructured Materials for Dye Sensitized Solar Cells</i> <b>Chung-Chih Wu</b> , National Taiwan University, Taiwan [Invited]
<b>17:00</b> – <b>17:20</b>	12.1.3 <i>Simple encapsulation method for organic light-emitting devices using a perfluorinated polymer</i> <b>Yu Duan</b> , Jilin University, China	<b>17:05</b> – <b>17:25</b>	12.2.3 <i>Synthesis of Iron Series Phosphate Micro-nano-materials and Their Potential Applications for Electrochemical Energy Storage</i> <b>Huan Pang</b> , Anyang Normal University, China
<b>17:30</b> – <b>22:00</b>	<i>Banquet (Seafood Dinner, Po Toi O)</i>		

<b>Friday, December 6, 2013</b>	
<b>Plenary Talk II (LT-18)</b> <i>Chairman: Yongfang Li, Institute of Chemistry, CAS, China</i>	
09:00 – 09:45	<i>OLED – Prospects and Challenges</i> <b>C.W. Tang</b> , University of Rochester, USA / The Hong Kong University of Science and Technology, Hong Kong [Plenary]
<b>Session XIII – OPV III (LT-18)</b> <i>Chairman: Yongfang Li, Institute of Chemistry, CAS, China</i>	
09:45 – 10:15	13.1 <i>Small molecule based organic sole cell</i> <b>Ken-Tsung Wong</b> , National Taiwan University, Taiwan [Invited]
10:15 – 10:45	13.2 <i>Semi-transparent organic solar cells</i> <b>Furong Zhu</b> , Hong Kong Baptist University, Hong Kong [Invited]
10:45 – 11:00	<i>Coffee Break</i>
<b>Session XIV – DSSC II (LT-18)</b> <i>Chairman: Ken-Tsung Wong, National Taiwan University, Taiwan</i>	
11:00 – 11:30	14.1 <i>Organic dye-sensitized solar cells</i> <b>Peng Wang</b> , Changchun Institute of Applied Chemistry, CAS, China [invited]
11:30 – 12:00	14.2 <i>Post-Synthesis Assembly for High Efficiency QDSC</i> <b>Xinhua Zhong</b> , East China University of Science and Technology, China [Invited]
12:00 – 12:20	14.3 <i>Improving Spectral Response of Dye-Sensitized Solar Cells</i> <b>Tao Chen</b> , The Chinese University of Hong Kong, Hong Kong
12:20 – 12:50	14.4 <i>Group 8 Metal Based Sensitizers for DSC Applications</i> <b>Yun Chi</b> , National Tsing Hua University Taiwan [Invited]
12:50 – 13:10	<i>Closing Remarks</i>
13:10 – 14:30	<i>Lunch (Shing Hin Chinese Restaurant, 8/F, Amenities Building)</i>

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<b>Poster Session</b>	
<b>P-1</b>	<i>Metal-free, nitrogen-doped graphene used as counter electrodes for Dye-Sensitized Solar Cells</i> <b>Li-Hsueh Chang</b> , National Tsing Hua University, Taiwan
<b>P-2</b>	<i>NO<sub>2</sub> Adsorption and Reduction on CeO<sub>2</sub> (111) and M-doped CeO<sub>2</sub> (111) (M= Fe, Mn) surfaces: A First-Principles Study</i> <b>Hsin-Tsung Chen</b> , Chung Yuan Christian University, Taiwan
<b>P-3</b>	<i>Uniform-size and Composition-tuning PtNi Octahedra for Systematic Studies of Oxygen Reduction Reaction</i> <b>Hui-Lung Chen</b> , Chinese Culture University, Taiwan
<b>P-4</b>	<i>Highly Efficient Dye-Sensitized Solar Cells Based on Panchromatic Ruthenium Sensitizers with Quinolinylbipyridine Anchors</i> <b>Chun-Cheng Chou</b> , National Tsing Hua University, Taiwan
<b>P-5</b>	<i>Investigating the effect of ozone treatment on plastic nano-platinum counter electrode by FT-IR spectroscopy</i> <b>Tsung-Yu HSIEH</b> , National Tsing Hua University, Taiwan
<b>P-6</b>	<i>Formation and biocompatibility of super fine TiO<sub>2</sub> nanotubes by pulse anodization</i> <b>Yanquan Jia</b> , University of Shanghai for Science and Technology, China
<b>P-7</b>	<i>Combine coarse grained molecular dynamics simulation and density functional theory calculation to predict dielectric and optical properties of liquid crystal molecule system</i> <b>Shin-Pon Ju</b> , National Sun-Yat-Sen University, Taiwan
<b>P-8</b>	<i>High efficiency phosphorescent organic light-emitting diodes (PhOLEDs) with horizontal emitting dipoles</i> <b>Kwon-Hyeon Kim</b> , Seoul National University, Korea
<b>P-9</b>	<i>Phase transformation of Zinc Oxide nanotube under loading</i> <b>Wen-Jay Lee</b> , National Center for High Performance Computing, Taiwan
<b>P-10</b>	<i>A Solid-State Flexible Paper-Based Supercapacitor</i> <b>Chi-Chung Peng</b> , National Formosa University, Taiwan
<b>P-11</b>	<i>Low-humidity sensor based on a quartz-crystal microbalance coated with graphene oxide</i> <b>Pi-Guey Su</b> , Chinese Culture University, Taiwan
<b>P-12</b>	<i>Theoretical insight into the screening effect on the electronic and magnetic properties of graphene nanoribbons</i> <b>Wan-Sheng Su</b> , National Center for High-Performance Computing, Taiwan
<b>P-13</b>	<i>Top emitting OLED encapsulated with hybrid organic-inorganic structure formed by ALDMLD method</i> <b>Fengbo Sun</b> , Jilin University, China
<b>P-14</b>	<i>Efficient Yellow And Red Fluorophors In Solid State With Thermally Activated Delayed Fluorescence</i> <b>Hui Wang</b> , Technical Institute of Physics and Chemistry, CAS, China
<b>P-15</b>	<i>Investigate the mechanical properties and deformation behavior of Zr-Ti-Si ternary bulk metallic glasses by molecular dynamics simulation</i> <b>Tsang-Yu Wu</b> , National Sun-Yat-Sen University, Taiwan
<b>P-16</b>	<i>Enhanced Efficiency of Organic Solar Cells by Self-assembly PCBM-rich Layer Based on Mixed Orthogonal Solvents</i> <b>Yubin Xiao</b> , The Chinese University of Hong Kong, Hong Kong
<b>P-17</b>	<i>Silicon nanowires array/carbon quantum dots core-shell heterojunction for highly efficient solar cell and fast speed self-driven photodetector</i> <b>Chao Xie</b> , Hefei University of Technology, China
<b>P-18</b>	<i>The new thin-film encapsulation technology research of Organic light-emitting devices (OLED)</i> <b>Dan Yang</b> , Jilin University, China
<b>P-19</b>	<i>Another Dimension of Ru(II) Sensitizers Bearing Dianionic Bis-Azolate Ancillaries; Ligand Synergy for High Performance Dye Sensitized Solar Cells</i> <b>Hsiu-Hsuan Yeh</b> , National Tsing Hua University, Taiwan
<b>P-20</b>	<i>Large-Scale Synthesis of High Quality Luminescence Non-toxicity Quantum Dots</i> <b>Wenjin Zhang</b> , East China University of Science and Technology, China
<b>P-21</b>	<i>The fabrication and surface-enhanced Raman scattering effect of nanoporous gold with a wide pore size distribution</i> <b>Chunfeng Zhu</b> , University of Shanghai for Science and Technology, China



P-22	<i>Three-dimensional silicon thin film-graphene anode for high-performance lithium-ion battery</i> <b>Chun Dong Wang</b> , City University of Hong Kong, Hong Kong
P-23	<i>Impact of heterojunction morphology on charge transport and injection in ambipolar organic field-effect transistors</i> <b>Yan Yan</b> , City University of Hong Kong, Hong Kong
P-24	<i>Self Assembled Nanostructures of 5,15-Dialkylated Porphyrin: Effect of Side Chain Length</i> <b>Li Zhou</b> , City University of Hong Kong, Hong Kong
P-25	<i>Isolated Molecular Floating Gate for Organic Memories</i> <b>Ye Zhou</b> , City University of Hong Kong, Hong Kong
P-26	<i>Low Voltage Memory Transistors with Reduced Graphene Oxide-Gold Nanoparticle Hybrid Structure</i> <b>Suting Han</b> , City University of Hong Kong, Hong Kong
P-27	<i>Long operation lifetime and colour stable hybrid tandem white organic light-emitting diodes for general lighting</i> <b>Fu Lung Wong</b> , City University of Hong Kong, Hong Kong
P-28	<i>Tunable Aspect-ratio poly(3-hexylthiophene) Nanotubes for Field-Effect Transistor Applications</i> <b>Longbiao Huang</b> , City University of Hong Kong, Hong Kong
P-29	<i>Electrochemical doping of anatase TiO<sub>2</sub> in organic electrolytes for high-performance supercapacitors and photocatalysts</i> <b>Hui LI</b> , City University of Hong Kong, Hong Kong
P-30	<i>Simple near-infrared photoelectric device based on charge transfer complexes</i> <b>Hin-Wai Mo</b> , City University of Hong Kong, Hong Kong
P-31	<i>Thiazolothiazole and Benzothiadiazole based Small Organic Solar Cells</i> <b>Mingliang Sun</b> , City University of Hong Kong, Hong Kong
P-32	<i>Enhanced Raman scattering from vertical silicon nanowires array</i> <b>Jian-An Huang</b> , City University of Hong Kong, Hong Kong
P-33	<i>Carbazole/Sulfone Hybrid D-<math>\pi</math>-A-Structured Fluorophors for High-Efficiency Blue-Violet Electroluminescence</i> <b>Jun Ye</b> , City University of Hong Kong, Hong Kong
P-34	<i>Upconverting NIR Light through Energy Management in Core-Shell-Shell Nanoparticles</i> <b>Xian Chen</b> , City University of Hong Kong, Hong Kong
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