

## Tentative Program

8:00-8:10	<b>Opening Ceremony</b> Chair: Lehui LU Immediate Past President of ISE: Christian AMATORE	
<b>Plenary Lectures</b> <b>Room: 7039 (audio-video synchronization in 6040)</b>		
<b>18th August (Fri.)</b>		
Chairs	Lijun WAN & Itamar WILLNER	
8:10-8:35	PL-1	<b>Vesicular Exocytosis of Neurotransmitters by Endocrine Cells: The End to the “Full Fusion” Paradigm?</b> Christian AMATORE <i>CNRS-Ecole Normale Supérieure-PSL Research University, France</i>
8:35-9:00	PL-2	<b>Electrochemical Process and Interfacial Structure in Lithium-Sulfur Battery: Electrode Materials and in Situ AFM Study</b> Lijun WAN <i>Institute of Chemistry, CAS, China</i>
9:00-9:25	PL-3	<b>Graphene Industry: Synthesis Determines the Future</b> Zhongfan LIU <i>Peking University, China</i>
9:25-10:05	Coffee Break & Photograph	
Charis	Andrew EWING & Takashi KAKIUCHI	
10:05-10:30	PL-4	<b>The Foundation of Molecular Medicine: A Chemical Biology Approach</b> Weihong TAN <i>Hunan University, China &amp; University of Florida, USA</i>
10:30-10:55	PL-6	<b>Hydrogen Generation from Water with Earth Abundant Catalysts</b> Kwok-Yin WONG <i>Hong Kong Polytechnic University, Hong Kong, China</i>
10:55-11:20	PL-7	<b>Exploring Novel Functions of Prussian Blue at Electrode/electrolyte Interface</b> Shaojun DONG <i>Changchun Institute of Applied Chemistry, CAS, China</i>
Lunch		

<b>Session A: Keynote, I&amp;O Lectures</b>		
<b>Room: 7039</b>		
<b>18th August (Fri.)</b>		
Chairs	Fethi BEDIQUI & Jinghong LI	
13:30-13:50	K-1	<b>Bioelectrochemical Strategy to Hydrogen and C1 Society</b> Kenji KANO <i>Kyoto University, Japan</i>
13:50-14:05	I&O-1	<b>Electroanalytical Strategies for the Detection of Nitric Oxide and Associated Species in Biological Systems</b> Fethi BEDIQUI <i>Chimie ParisTech/CNRS, France</i>
14:05-14:20	I&O-2	<b>Photo-chemical Sensing Analysis for Tumor Markers, Drug Delivery and Treatment</b> Shusheng ZHANG <i>Linyi University, China</i>
14:20-14:35	I&O-3	<b>The Electrochemical Biosensor-The Present and The Future</b> Chanchal K MITRA <i>University of Hyderabad, India</i>
14:35-14:50	I&O-4	<b>Mediator-free Whole-cell Bioelectrochemical Sensing System for Biomarker Detection</b> Yangchun YONG <i>Jiangsu University, China</i>
14:50-15:05	I&O-5	<b>Flow injection amperometric system for 2,4-dichlorophenoxyacetic acid detection based on catalase immobilized on hierarchical porous calcium phosphate</b> Qin XU <i>Yangzhou University, China</i>
15:05-15:20	Coffee Break	
Chairs	Huangxian JU & Ryoji KURITA	
15:20-15:35	I&O-6	<b>Electrochemical Catalytic Probes for Amplified Biosensing</b> Huangxian JU <i>Nanjing University, China</i>
15:35-15:50	I&O-7	<b>Assembly of Nanostructures on Electrode Surface for the Assay of Disease Marker Proteins</b> Genxi LI <i>Nanjing University, China</i>
15:50-16:05	I&O-8	<b>Electrochemical Assessment of Cytosine Methylation using a Carbon Film Electrode</b> Ryoji KURITA <i>National Institute of Advanced Industrial Science and Technology, Japan</i>
16:05-16:20	I&O-9	<b>The Construction of Antifouling Sensing Interfaces and Their Application in Electrochemical Assays</b> Xiliang LUO <i>Qingdao University of Science and Technology, China</i>
Chairs	Chunhai FAN & Jean Louis MARTY	
16:20-16:35	I&O-10	<b>DNA Nanotechnology-enabled Organization for Biosensors</b> Chunhai FAN <i>Shanghai Institute of Applied Physics, CAS, China</i>
16:35-16:50	I&O-11	<b>An Electrochemical Aptasensor Based on Functionalized Graphene Oxide Assisted Electrocatalytic Signal Amplification Of Methylene Blue for Aflatoxin B1 Detection</b> Jean Louis MARTY <i>Universite de Perpignan Via Domitia, France</i>
16:50-17:05	I&O-12	<b>Investigation on Electrochemical Properties of Biochar and Its Sensor Applications</b> Yunxian PIAO <i>Jilin University, China</i>
17:05-17:20	I&O-13	<b>A Label-Free Visual Platform for Self-Correcting Logic Gate Construction and Sensitive Biosensing</b> Feng LI <i>Qingdao Agricultural University, China</i>
Dinner		

<b>Session B: Keynote, I&amp;O Lectures</b>		
<b>Room: 6040</b>		
<b>18th August (Fri.)</b>		
Chairs	Gyeong Soon HWANG & Zong-Hong LIN	
13:30-13:50	K-2	<b>A Gas-permeable Membrane-based Electrochemical Sensor Capable of In Situ Real-time Monitoring Ammonia in Aquatic Environment</b> Huijun ZHAO <i>Griffith University, Australia</i>
13:50-14:10	K-9	<b>Optimal Design of Carbon-based Nanomaterials for High-Performance Supercapacitors</b> Gyeong Soon HWANG <i>The University of Texas at Austin, USA</i>
14:10-14:25	I&O-15	<b>Fast Redox-conversion Rates of Composite Films Made of Suspensions of Polyaniline-coated Graphene</b> Jingyuan CHEN <i>University of Fukui, Japan</i>
14:25-14:40	I&O-16	<b>Controlled Synthesis of Se-Supported Au/Pd Nanoparticles with Photo-Assisted Electrocatalytic Activity and their Application in Self-Powered Sensing Systems</b> Zong-Hong LIN <i>National Taiwan University, Taiwan, China</i>
14:40-14:55	I&O-17	<b>Morphology Engineering of Nanostructured Spinel Nickel Cobaltite for Efficient Overall Water-Splitting</b> Yan SHEN <i>Huazhong University of Science and Technology, China</i>
14:55-15:10	I&O-18	<b>High Performance Pseudocapacitance Electrode Materials Based on Conducting Polymer-Graphene Oxide Hybrid Structure</b> Anwar-ul-Haq Ali SHAH <i>University of Peshawar, Pakistan</i>
15:10-15:20	Coffee Break	
<b>Youth Form</b>		
Chairs	Xingyu JIANG & Aiguo WU	
15:20-15:35	I&O-19	<b>Microfluidics-enabled Screening for Gene Therapy</b> Xingyu JIANG <i>National Center for NanoScience and Technology, CAS, China</i>
15:35-15:50	I&O-20	<b>New Contrast Agents Based on Metal Oxide Nanoparticles in MRI for Cancer Theranostics</b> Aiguo WU <i>Ningbo Institute of Materials Technology &amp; Engineering, CAS, China</i>
15:50-16:05	I&O-21	<b>Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors</b> Di LI <i>Shanghai Institute of Applied Physics, CAS, China</i>
16:05-16:20	I&O-22	<b>Detection of Nucleic Acid Biomarkers with Off-the-Shelf Devices</b> Yan DU <i>Changchun Institute of Applied Chemistry, CAS, China</i>
Chairs	Fan XIA & Yongdong JIN	
16:20-16:35	I&O-23	<b>Detection of Biomolecules Based on Nanopores</b> Fan XIA <i>Huazhong University of Science and Technology, CAS, China</i>
16:35-16:50	I&O-128	<b>Interfacial Synthesis of Two-Dimensional Polymers</b> Zhikun ZHENG <i>Sun Yat-sen University, China</i>
16:50-17:05	I&O-25	<b>Construction of Various Enzyme-Free Concatenated Hybridization Chain Systems for Signal Amplification and Biocomputing Circuits</b> Fuan WANG <i>Wuhan University, China</i>

17:05-17:20	I&O-26	<b>Switchable DNA Molecular Sensing Devices</b> Tao LI <i>University of Science and Technology of China, China</i>
Dinner		

<b>Session C: Keynote, I&amp;O Lectures</b>		
<b>Room: 5040</b>		
<b>18th August (Fri.)</b>		
Chairs	Yunbao JIANG & King-Chuen LIN	
13:30-13:50	K-7	<b>Tip-Enhanced Raman Scattering in Solution: An Approach to Investigate Wet Surface in Nano-scale</b> Yukihiro OZAKI <i>Kwansei Gakuin University, Japan</i>
13:50-14:05	I&O-27	<b>Spectral Sensing Using Ag<sup>+</sup>-Thiol Coordination Polymers</b> Yunbao JIANG <i>Xiamen University, China</i>
14:05-14:20	I&O-28	<b>DNA Interaction Probed by Evanescent Wave Cavity Ring-down Absorption Spectroscopy and C-dots Optical Characterization</b> King-Chuen LIN <i>National Taiwan University, Taiwan, China</i>
14:20-14:35	I&O-29	<b>Resonance Light Scattering Correlation Spectroscopy (RLSCS): Theories, Methods and Applications</b> Jicun REN <i>Shanghai Jiao Tong University, China</i>
14:35-14:50	I&O-30	<b>The Novel Electrolytic Synthesis of Carbon Nanoparticle and Its Application</b> Gongke LI <i>Sun Yat-sen University, China</i>
14:50-15:05	I&O-31	<b>PLA2-responsive Nanoparticles for Monitoring Phospholipase A2 Activity and Their In-vivo Applications</b> Zhiliang CHENG <i>University of Pennsylvania, USA</i>
15:05-15:20	Coffee Break	
Chairs	Huimin MA & Chih-Ching HUANG	
15:20-15:35	I&O-32	<b>Spectroscopic Probes and Imaging Analysis (2017)</b> Huimin MA <i>Institute of Chemistry, CAS, China</i>
15:35-15:50	I&O-33	<b>Noncanonical Self-Assembly of Multifunctional DNA Nanoflowers for Biomedical Applications</b> Xiaobing ZHANG <i>Hunan University, China</i>
15:50-16:05	I&O-34	<b>Preparation of Self-functional Carbon Nanomaterials for Bio-labeling, Antibacterial and Anti-angiogenesis Applications</b> Chih-Ching HUANG <i>National Taiwan Ocean University, Taiwan, China</i>
16:05-16:20	I&O-35	<b>In Vivo Imaging and PDT with Hybrid Semiconductor Nanoparticles</b> Deju YE <i>Nanjing University, China</i>
Chairs	Chaoyong YANG & Chunyang ZHANG	
16:20-16:35	I&O-36	<b>Enabling Microfluidic Technologies for Circulating Tumor Cell Enrichment and Single-Cell Analysis</b> Chaoyong YANG <i>Xiamen University, China</i>
16:35-16:50	I&O-37	<b>Fluorescent Biosensors Based on Single-Molecule Counting</b> Chunyang ZHANG <i>Shandong Normal University, China</i>
16:50-17:05	I&O-38	<b>Multi-analysis: from Sensing to Perception</b> Fengyu LI <i>Institute of Chemistry, CAS, China</i>
17:05-17:20	I&O-39	<b>Preparation of Gold Nanoclusters for Biomedical Assays and Cellular Imaging Applications</b> Hui JIANG <i>Southeast University, China</i>
Dinner		

<b>Session D: Keynote, I&amp;O Lectures</b>		
<b>Room: 4039</b>		
<b>18th August (Fri.)</b>		
Chairs	Alain Walcarius & Yuanzhe PIAO	
13:30-13:50	K-4	<b>Playing the ACE card: Affinity Capillary Electrophoresis for Ligand Binding Assays</b> Hermann WÄTZIG <i>University of Braunschweig, Germany</i>
13:50-14:05	I&O-40	<b>Electrogeneration of Vertically-aligned Mesoporous Silica Films</b> Alain WALCARIUS <i>LCPME-CNRS, Université de Lorraine,, France</i>
14:05-14:20	I&O-41	<b>Control of Analyte Transport at Electrodes Modified with Thin Layer of Environmentally Sensitive Hydrogel</b> Zbigniew STOJEK <i>University of Warsaw, Poland</i>
14:20-14:35	I&O-42	<b>An Enhanced Sensing Platform Based on Activated Graphene and Bismuth for Simultaneous Voltammetric Determination of Trace Heavy Metals</b> Yuanzhe PIAO <i>Seoul National University, Republic of Korea</i>
14:35-14:50	I&O-43	<b>Portable Gas Phase Nitric Oxide (NO) Generator Based on Cu(II)-Ligand Mediated Electrochemical Reduction of Nitrite and Delivery System Integrated with a Robust Electrochemical NO Sensor for Biomedical Applications</b> Yu QIN <i>University of Michigan, USA</i>
14:50-15:05	I&O-44	<b>The Cost-effective Direct Current Conductivity Detector in Gas Diffusion Flow Injection System for Dissolved Inorganic Carbon Determination</b> Tinakorn KANYANEE <i>Chiang Mai University, Thailand</i>
15:05-15:20	Coffee Break	
Chairs	Li WANG & Johan BOBACKA	
15:20-15:35	I&O-101	<b>Design and Preparation of Novel Integrated Electrode</b> Li WANG <i>Jiangxi Normal University, China</i>
15:35-15:50	I&O-46	<b>Solid-Contact Ion-Selective Electrodes Utilizing Coulometric Signal Transduction</b> Johan BOBACKA <i>ÅboAkademi University, Finland</i>
15:50-16:05	I&O-47	<b>Frugal Polymer Modified Microelectrodes with Palm-Held Potentiostat for On Field Chemical Analysis</b> Samuel MUGO <i>MacEwan University, Canada</i>
16:05-16:20	I&O-48	<b>Paper-based Potentiometric/Voltammetric Ion Sensing and Biosensing using Ion-selective Membrane</b> Jiawang DING <i>Yantai Institute of Coastal Zone Research, CAS, China</i>
Chairs	Jiri BAREK & Xingjiu HUANG	
16:20-16:35	I&O-49	<b>New Approaches to Electrochemical Monitoring of Ecotoxic Compounds</b> Jiri BAREK <i>Charles University, Czech Republic</i>
16:35-16:50	I&O-50	<b>Modification of Noble Metal Nanoparticles on Nickel and Titanium Electrodes</b> Munetaka OYAMA <i>Kyoto University, Japan</i>
16:50-17:05	I&O-51	<b>Electrochemical Detection of Trace Arsenic(III) by Nanocomposite of Nanorod-like <math>\alpha</math>-MnO<sub>2</sub> Decorated with ~5 nm Au Nanoparticles: Considering the Change of Arsenic Speciation</b> Xingjiu HUANG <i>Institute of Intelligent Machines, CAS, China</i>
17:05-17:20	I&O-52	<b>Electrochemiluminescent Measurements on Wireless Chip by CMOS Photocamera</b> Dmytro SNIZHKO <i>Changchun Institute of Applied Chemistry, CAS, China</i>
Dinner		

<b>Plenary Lectures</b>		
<b>Room: 7039 (audio-video synchronization in 6040)</b>		
<b>19th August (Sat.)</b>		
Chairs	Shaojun DONG & Alan M. BOND	
8:00-8:25	PL-8	<b>Measuring synaptic vesicles using cellular electrochemistry and nanoscale molecular imaging</b> Andrew EWING <i>University of Gothenburg, Sweden</i>
8:25-8:50	PL-9	<b>Controlling Surface Wettability and Interfacial Electron Transfer by Nanostructured Catalytic Electrodes</b> Itamar WILLNER <i>The Hebrew University of Jerusalem, Israel</i>
8:50-9:15	PL-10	<b>Developing Biosensing and Imaging Techniques: Inspiration from Astronomy</b> Nongjian TAO <i>Arizona State University, USA &amp; Nanjing University, China</i>
9:15-9:40	PL-5	<b>Unexpected Stability of Monomeric Platinum(III) Compounds in Electrochemical and Spectroelectrochemical Studies of Platinum Ant-cancer Drugs</b> Alan M. BOND <i>Monash University, Australia</i>
9:40-9:55	Coffee Break	
Charis	Xiurong YANG & Christian AMATORE	
9:55-10:20	PL-12	<b>A microRNA-initiated DNAzymemotor operating in living cells</b> X. Chris Le <i>University of Alberta, Canada</i>
10:20-10:45	PL-13	<b>What is the Nernst equation?</b> Takashi KAKIUCHI <i>pH Science and Technology Laboratory, Japan</i>
10:45-11:10	PL-14	<b>Monash e-Skin-based Wearable Technology Platform</b> Wenlong CHENG <i>Monash University, Australia</i>
Lunch		

<b>Session A: Keynote, I&amp;O Lectures</b>		
<b>Room: 7039</b>		
<b>19th August (Sat.)</b>		
Chairs	Lanqun MAO & Yuko UENO	
13:30-13:50	K-5	<b>Electroanalysis with Surface Terminated Carbon Films</b> Osamu NIWA <i>Saitama Institute of Technology, National Institute of Advanced Industrial Science and Technology, Japan</i>
13:50-14:05	I&O-53	<b>Enabling Bioelectrochemistry for In Vivo Analysis</b> Lanqun MAO <i>Institute of Chemistry, CAS, China</i>
14:05-14:20	I&O-54	<b>Novel Electrochemical Biosensor with Both Current and Potential Signal Outputs for In Vivo Analysis</b> Yang TIAN <i>East China Normal University, China</i>
14:20-14:35	I&O-55	<b>Fabrication and Characterization of Graphene Microelectrode</b> Yuko UENO <i>NTT Basic Research Laboratories, NTT Corporation, Japan</i>
14:35-14:50	I&O-56	<b>Single Cell Electrochemical Analysis</b> Dechen JIANG <i>Nanjing University, China</i>
14:50-15:05	I&O-57	<b>A Sensitive Acupuncture Needle Microsensor for Real-time Monitoring of Nitric Oxide in Acupoints of Rats</b> Guojun ZHANG <i>Hubei University of Chinese Medicine, China</i>
15:05-15:20	Coffee Break	
Chairs	Damien ARRIGAN & Yuanhua SHAO	
15:20-15:35	I&O-58	<b>Electroanalytical Chemistry with Nanoscale Liquid-Liquid Interface Arrays</b> Damien ARRIGAN <i>Curtin University, Australia</i>
15:35-15:50	I&O-59	<b>Analytical Applications of Pipette Electrodes</b> Yuanhua SHAO <i>Peking University, China</i>
15:50-16:05	I&O-60	<b>Research on Porphyrin-Based Electrochemistry and a Naked-Eye Colorimetric Nanosensor</b> Xiaoquan LU <i>Tianjin University, China</i>
16:05-16:20	I&O-61	<b>Single Enzyme Detection via the Nano-Impact Technique</b> Chuhong LIN <i>University of Oxford, UK</i>
Chairs	Lucio COLOMBI CIACCHI & Xinghua XIA	
16:20-16:35	I&O-62	<b>Atomistic Studies of Oxide Interfaces in Bionanotechnology</b> Lucio COLOMBI CIACCHI <i>University of Bremen, Germany</i>
16:35-16:50	I&O-63	<b>Plasmonic Enhanced Spectroscopic and Electrochemical Detection of Biomolecules</b> Xinghua XIA <i>Nanjing University, China</i>
16:50-17:05	I&O-64	<b>Investigating Biomolecules Interactions Using Atomic Force Microscopy</b> Jilin TANG <i>Changchun Institute of Applied Chemistry, CAS, China</i>
17:05-17:20	I&O-65	<b>New Analytical Methods Based on Nanopipette</b> Kang WANG <i>Nanjing University</i>
Dinner		



<b>Session B: Keynote, I&amp;O Lectures</b>		
<b>Room: 6040</b>		
<b>19th August (Sat.)</b>		
Chairs	Chun-Hsien CHEN & Yitao LONG	
13:30-13:50	K-6	<b>Optical Nanoscopy of Biomolecular Structure and Dynamics</b> Gerd Ulrich NIENHAUS <i>Karlsruhe Institute of Technology, Germany</i>
13:50-14:05	I&O-66	<b>Mapping the Transmission Spectra of Single-Molecule Junctions by Electrochemical Gating</b> Chun-Hsien CHEN <i>National Taiwan University, Taiwan, China</i>
14:05-14:20	I&O-67	<b>Electrochemical Sensing at Single Molecule Interface</b> Yitao LONG <i>East China University of Science and Technology, China</i>
14:20-14:35	I&O-68	<b>Design and applications of amyloid peptide nanofibrils</b> Gang WEI <i>University of Bremen, Germany</i>
14:35-14:50	I&O-69	<b>Noble Metal Electrochemical Nanoprobe for MicroRNA Detection</b> Haifeng DONG <i>University of Science &amp; Technology Beijing, China</i>
14:50-15:05	I&O-70	<b>Adaption of solid-state nanopore to homogeneous single-molecule verification of spatial DNA organization</b> Bingling Li <i>Changchun Institute of Applied Chemistry, CAS, China</i>
15:05-15:20	Coffee Break	
<b>Youth Form</b>		
Chairs	Zhou NIE & Yuanjian ZHANG	
15:20-15:35	I&O-71	<b>Engineered Fluorescent Proteins and Their Molecular Mimics as New Toolkits for Biosensing and Bioimaging</b> Zhou NIE <i>Hunan University, China</i>
15:35-15:50	I&O-72	<b>Structural Manipulation of Carbon Nitride for Electrochemiluminescent Analysis</b> Yuanjian ZHANG <i>Southeast University, China</i>
15:50-16:05	I&O-73	<b>Novel Fluorescent Gold Nanoclusters for Biological Imaging Applications</b> Li SHANG <i>Northwestern Polytechnical University, China</i>
16:05-16:20	I&O-74	<b>Understanding the Mechanism of Early Apoptosis by Insighting into the Interaction of Protein with Cardiolipin Membranes at the Molecular Level</b> Xiue JIANG <i>Changchun Institute of Applied Chemistry, CAS, China</i>
Chairs	Weihua HUANG & Wei WANG	
16:20-16:35	I&O-75	<b>Stretchable Electrochemical Sensor for Inducing and Monitoring Cell Mechanotransduction</b> Weihua HUANG <i>Wuhan University, China</i>
16:35-16:50	I&O-76	<b>Plasmonic Imaging of the Interfacial Potential Distribution on Bipolar Electrodes</b> Wei WANG <i>Nanjing University, China</i>
16:50-17:05	I&O-77	<b>Polyelectrolyte-Modified Micropipette as a New Platform for In Vivo Analysis</b> Ping YU <i>Institute of Chemistry, CAS, China</i>
17:05-17:20	I&O-78	<b>Noble Metal Aerogel Design for Enhancing Bio-/electrocatalytic and Sensing Performance</b> Dan WEN <i>Northwestern Polytechnical University, China</i>
Dinner		

<b>Session C: Keynote, I&amp;O Lectures</b>		
<b>Room: 5040</b>		
<b>19th August (Sat.)</b>		
Chairs	Alexander EYCHMÜLLER & Ronghua YANG	
13:30-13:50	K-3	<b>Electrocatalysis on metallic aerogels</b> Alexander EYCHMÜLLER <i>Technische Universität Dresden, Germany</i>
13:50-14:05	I&O-79	<b>Intracellular Protein-Assisted in situ Signal Amplification for Ultrasensitive Fluorescent Imaging in Living Cells</b> Ronghua YANG <i>Changsha University of Science and Technology &amp; Hunan University, China</i>
14:05-14:20	I&O-80	<b>Biosynthesized Nanoclusters and Supramolecular Complexes for Intracellular Redox Sensing and In Vivo Multimodal Bioimaging</b> Xuemei WANG <i>Southeast University, China</i>
14:20-14:35	I&O-81	<b>Self-assembly DNA Nanomaterial for Highly Efficient Intracellular Imaging and Gene Therapy</b> Ying LIU <i>Nanjing University, China</i>
14:35-14:50	I&O-82	<b>Controlled Self-assembly of Small Molecule Probes and the Applications in Bioanalysis and Biosensing</b> Cong YU <i>Changchun Institute of Applied Chemistry, CAS, China</i>
14:50-15:05	I&O-83	<b>Studies of Fluorescent DNA Silver Nanoclusters and Responsive Fluorescent DNA Hydrogels</b> Weiwei GUO <i>Nankai University, China</i>
15:05-15:20	Coffee Break	
Chairs	Neso SOJIC & Zhifeng DING	
15:20-15:35	I&O-84	<b>Enhanced Electrochemiluminescence in Multistimuli-Responsive Redox Hydrogels</b> Neso SOJIC <i>University of Bordeaux, France</i>
15:35-15:50	I&O-85	<b>Analyzing and Optimizing Electrochemiluminescence from ZnTPP Derivatives</b> Zhifeng DING <i>The University of Western Ontario, Canada</i>
15:50-16:05	I&O-86	<b>Electrochemiluminescence Ratiometry for Bioanalysis</b> Jingjuan XU <i>Nanjing University, China</i>
16:05-16:20	I&O-87	<b>MOFs for Enrichment of Quantum Dots as Efficient Electrochemiluminescent Emitter for Highly Sensitive Detection of cTnI</b> Ying ZHUO <i>Southwest University, China</i>
Chairs	Toshihiko IMATO & Xi CHEN	
16:20-16:35	I&O-88	<b>Electrogenerated Chemiluminescence Immunoassay on Compact Disk-type Microchip</b> Toshihiko IMATO <i>Kyushu University, Japan</i>
16:35-16:50	I&O-89	<b>Novel Construction Strategies for Electrochemical and Electrochemiluminescent Biosensor</b> Ruo YUAN <i>Southwest University, China</i>
16:50-17:05	I&O-90	<b>Electrochemiluminescence of Colloidal CsPbBr<sub>3</sub> Perovskite Nanocrystal in Aqueous Solution</b> Xi CHEN <i>Xiamen University, China</i>
17:05-17:20	I&O-91	<b>Electrogenerated Chemiluminescence of a BODIPY Derivative</b> Ryoichi ISHIMATSU <i>Kyushu University, Japan</i>
Dinner		

<b>Session D: Keynote, I&amp;O Lectures</b>		
<b>Room: 4039</b>		
<b>19th August (Sat.)</b>		
Chairs	Alexander Kuhn & Shaojun GUO	
13:30-13:50	K-8	<b>Chiral Recognition with Nanostructured Metal Surfaces</b> Alexander Kuhn <i>University of Bordeaux, France</i>
13:50-14:05	I&O-116	<b>Tuning the Surface and Interface of Metal-based Nanocrystals for Energy Electrocatalysis</b> Shaojun GUO <i>Peking University, China</i>
14:05-14:20	I&O-114	<b>Synthesis of Ni- and Co-based nanostructures and their applications in electrocatalytic oxygen evolution reaction (OER)</b> Lawrence Yoon Suk, LEE <i>The Hong Kong Polytechnic University, Hong Kong, China</i>
14:20-14:35	I&O-94	<b>P-doping of an Interconnected Porous M/N/C Electrocatalyst with Excellent ORR Activity and Stability in Acid Media</b> Wen YANG <i>Beijing Institute of Technology, China</i>
14:35-14:50	I&O-95	<b>Controlled One-Pot Synthesis of PtIr Tripods with Dendritic Surface for Oxygen Reduction Reaction</b> Hongjing WANG <i>Zhejiang University of Technology, China</i>
14:50-15:05	I&O-96	<b>Cathode Reactions In The Rechargeable Aprotic Li-O<sub>2</sub> Battery</b> Lee R. Johnson <i>University of Oxford, UK</i>
15:05-15:20	Coffee Break	
Chairs	Frantisek HARTL & Yanfei SHEN	
15:20-15:35	I&O-97	<b>Mediatorless Amperometric Biosensor Based on Co-immobilization of Oxidase and Peroxidase on Mesoporous Carbon Electrodes</b> Hongqi XIA <i>Kyoto University, Japan</i>
15:35-15:50	I&O-98	<b>Electrochemical Immunosensors Based on Carbon Nanomaterials for Food Safety</b> Yanfei SHEN <i>Southeast University, China</i>
15:50-16:05	I&O-99	<b>Enzyme Biofuel Cell-Based Self-Powered Homogeneous Immunosensing Platform via Target-Induced Glucose Release: An Appealing Alternative Strategy for Turn-On Melamine Assay</b> Panpan GAI <i>Qingdao Agricultural University, China</i>
16:05-16:20	I&O-100	<b>Single-step Microscale Electrochemical Biosensor for Multiplexed Bioassays</b> Fan YANG <i>Hubei University of Chinese Medicine, China</i>
Chairs	Yonggang ZHU & Tingting GU	
16:20-16:35	I&O-45	<b>A Lab on a Chip Device for Detection of Chemical Warfare Agents</b> Yonggang ZHU <i>Harbin Institute of Technology (Shenzhen), China</i>
16:35-16:50	I&O-102	<b>Electrochemical Biosensor for DNA-binding Molecule Based on DNA-metal ion/Chitosan Bio-PIC Membrane Modified Electrode</b> Tingting GU <i>University of Science and Technology Liaoning, China</i>
16:50-17:05	I&O-103	<b>DNA Biosensing through Instantaneously Electrostatic Attraction on Polystyrene Gold Electrode</b> Bo YAO <i>Zhejiang University, China</i>
17:05-17:20	I&O-104	<b>Bacterial Electrocatalysis of K<sub>4</sub>[Fe(CN)<sub>6</sub>] Oxidation</b> Zhiyong ZHENG <i>Technical University of Denmark, Denmark</i>
Dinner		

<b>Plenary Lectures</b>		
<b>Room: 7039 (audio-video synchronization in 6040)</b>		
<b>20th August (Sun.)</b>		
8:00-8:20	Poster Award	
Chairs	Hongyuan CHEN & Serge COSNIER	
8:20-8:45	PL-15	<b>Enzymatic and Hybrid Fuel Cells : improvement and new directions</b> Serge COSNIER <i>CNRS-Grenoble-Alpes University, France</i>
8:45-9:10	PL-16	<b>Structural Engineering of Functional Nanomaterials for Electrochemical Energy Conversions</b> Shaowei CHEN <i>University of California, Santa Cruz, USA</i>
9:10-9:35	PL-17	<b>Fabrication of Non-Precious Metal Electrocatalysts and Their Applications in Electrocatalytic Water Splitting</b> Xiurong YANG <i>Changchun Institute of Applied Chemistry, CAS, China</i>
9:35-9:50	Coffee Break	

<b>Session A: I&amp;O Lectures</b>		
<b>Room: 7039</b>		
<b>20th August (Sun.)</b>		
Chairs	Jin WANG & Magnus WILLANDER	
9:50-10:05	I&O-105	<b>Long-lived quantum coherence and excitation dynamics for efficient energy transfer in photosynthesis</b> Jin WANG <i>Changchun Institute of Applied Chemistry, CAS, China &amp; SUNY Stony Brook, USA</i>
10:05-10:20	I&O-106	<b>N-Annulated Perylene Dyes for Sensitized Solar Cells: the Control of Excited State and Charge Carrier Dynamics</b> Peng WANG <i>Zhejiang University, China</i>
10:20-10:35	I&O-107	<b>Nanomaterials for Electrocatalytic and Photocatalytic Driven Hydrogen Evolution Reaction and Degradation of Molecules</b> Magnus WILLANDER <i>Linköping University, Sweden</i>
10:35-10:50	I&O-108	<b>Super-assemblies of Porous Nanodot-Hetero-Frameworks for Efficient Optoelectronic Conversion</b> Biao KONG <i>Fudan University, China</i>
10:50-11:05	I&O-109	<b>Efficient Perovskite Solar Cells</b> Mingkui WANG <i>Huazhong University, China</i>
11:05-13:30	Lunch	
Chairs	Zhongfang CHEN & Zhiyong TANG	
13:30-13:45	I&O-110	<b>Computational Quest for High-performance Single-atom Catalysts for Oxygen Reduction Reaction and Nitrogen Fixation</b> Zhongfang CHEN <i>University of Puerto Rico, USA</i>
13:45-14:00	I&O-111	<b>Nanoscale Metal-Organic Frameworks: Emerging Materials for Catalysis</b> Zhiyong TANG <i>National Center for Nanoscience and Technology, China</i>
14:00-14:15	I&O-112	<b>Steric, Electronic and Electrode Material Effects on Electrocatalytic CO<sub>2</sub> Reduction with Mn and Mo <math>\alpha</math>-Diimine Carbonyls</b> Frantisek Hartl <i>University of Reading, UK</i>
14:15-14:30	I&O-113	<b>Electroreduction of Carbon Dioxide towards Hydrocarbons on Modified Copper Electrode</b> Xin Wang <i>Nanyang Technological University, Singapore</i>
14:30-14:45	I&O-93	<b>One-Step Fabrication of Porous PtM (M=Cu, Ni) Nanodendrite Electrocatalysts</b> Liang WANG <i>Zhejiang University of Technology, China</i>
Chairs	Wei XING & Ligui LI	
14:45-15:00	I&O-115	<b>Boosting the Catalytic Activity of Nonprecious ORR Catalysts through Active Site Probing</b> Wei XING <i>Changchun Institute of Applied Chemistry, CAS, China</i>
15:00-15:15	I&O-92	<b>Graphitic Nitrogens Are Responsible For Oxygen Electroreduction On N-Doped Carbons: Proofs From Activity Attenuation Studies</b> Ligui LI <i>South China University of Technology, China</i>
15:15-15:30	I&O-117	<b>In Situ Study for Oxygen Reduction and Evolution Reactions (ORR/OER) in Nonaqueous Solutions</b> Shen YE <i>Tohoku University, Japan</i>

15:30-15:45	I&O-118	<b>Nanostructured NiCo<sub>2</sub>S<sub>4</sub> Supported on Nickel Foam: An Efficient Electrocatalyst for Overall Water Splitting</b> Lixue ZHANG <i>Qingdao University, China</i>
15:45-16:00	I&O-119	<b>Design and Preparation of Carbon-based Nanostructured Materials as High-performance Electrode Materials and Electro-Catalysts</b> Hairong XUE <i>Zhejiang University of Technology, China</i>
Dinner		

<b>Session B: I&amp;O Lectures</b>		
<b>Room: 6040</b>		
<b>20th August (Sun.)</b>		
Chairs	Chanchal K MITRA & Chengzhi HUANG	
9:50-10:05	I&O-120	<b>Functionalized Electrospun Nanofibers for Environmental and Biomedical Analysis</b> Chengzhi HUANG <i>Southwest University, China</i>
10:05-10:20	I&O-121	<b>DNA-Programmable Strongly Coupled Plasmonic Nanodimers</b> Zhaoxiang DENG <i>University of Science and Technology of China, China</i>
10:20-10:35	I&O-122	<b>Surface Modification for Surface Enhanced Raman Spectroscopy coupled with Extraction</b> Jinhua ZHAN <i>Shandong University, China</i>
10:35-10:50	I&O-123	<b>The Self-Powered "Sense-Act-Treat" System that is Based on a Biofuel Cell and Controlled by Boolean Logic</b> <u>Ming ZHOU</u> <i>Northeast Normal University, China</i>
10:50-11:05	I&O-124	<b>New Strategies of Shaping Metal Nanocrystals for Plasmonics, Catalysis, and Surface-Enhanced Raman Spectroscopy</b> Wenxin NIU <i>Nanyang Technological University, Singapore</i>
11:05-13:30	Lunch	
<b>Youth Form</b>		
Chairs	Jiang TANG & Weilin XU	
13:30-13:45	I&O-125	<b>Bismuth Based Lead-free Perovskite: Material Fabrication and Optoelectronic Device Application</b> Jiang TANG <i>Huazhong University of Science and Technology</i>
13:45-14:00	I&O-126	<b>Energy Process-Related Electrochemistry at Single-molecule Level</b> Weilin XU <i>Changchun Institute of Applied Chemistry, CAS, China</i>
14:00-14:15	I&O-127	<b>Oxygen Electrochemistry in Aprotic Li-O<sub>2</sub> Batteries</b> Zhangquan PENG <i>Changchun Institute of Applied Chemistry, CAS, China</i>
14:15-14:30	I&O-24	<b>Designed Plasmonic Hybrid Nanoparticles for Catalysis: New Insights on Plasmonic Effects</b> Yongdong JIN <i>Changchun Institute of Applied Chemistry, CAS, China</i>
14:30-14:45	I&O-129	<b>Self-supported Hierarchical Porous Metallic Aerogels Synthesized via Spontaneous Methods as High Performance Electrocatalysts</b> Wei LIU <i>Sun Yat-sen University, China</i>
Chairs	Haichen WU & <b>Yaqing LIU</b>	
14:45-15:00	I&O-130	<b>Simultaneous Quantification of Tumor Antigens in a Single Sample through Bar-Code DNA-Assisted Nanopore Sensing</b> Haichen WU <i>Institute of Chemistry, CAS, China</i>
15:00-15:15	I&O-131	<b>Spatial Confinement Fold I-motif at Neutral pH Utilizing Nanochannels</b> Limin ZHANG <i>East China Normal University, China</i>
15:15-15:30	I&O-132	<b>Logic-based Biosensors for Intelligent Detection of Pathogenic Bacterial Gene</b> Yaqing LIU <i>Tianjin University of Science and Technology, China</i>
15:30-15:45	I&O-133	<b>Smart Microgels Based Optical Devices for Sensing</b> Qiang ZHANG <i>Changchun Institute of Applied Chemistry, CAS, China</i>

15:45-16:00	I&O-134	<b>3D Printed Ultralight Wearable Devices with Dual Electric Wound Detection and Automatic Therapy Properties</b> Xiaolei WANG <i>Nanchang University</i>
Dinner		



<b>Session C: I&amp;O Lectures</b>		
<b>Room: 5040</b>		
<b>20th August (Sun.)</b>		
Chairs	Jianhua WANG & Yuanjiang PAN	
9:50-10:05	I&O-135	<b>Improvement on the Selectivity of Protein Adsorption with Polyoxometalates as Adsorbents</b> Jianhua WANG <i>Northeastern University, China</i>
10:05-10:20	I&O-136	<b>Hydride abstraction in positive-ion electrospray interface: oxidation of 1,4-dihydropyridines in electrospray ionization mass spectrometry</b> Yuanjiang PAN <i>Zhejiang University, China</i>
10:20-10:35	I&O-137	<b>A Quasi-direct LC-MS/MS-based Targeted Proteomics Approach for miRNA Quantification via a Covalently Immobilized DNA-peptide Probe</b> Yun CHEN <i>Nanjing Medical University, China</i>
10:35-10:50	I&O-138	<b>Developing NMR Methods to Study Protein Electrostatics</b> Lishan YAO <i>Qingdao Institute of Bioenergy and Bioprocess Technology, CAS, China</i>
10:50-11:05	I&O-139	<b>Real-time Monitoring of Electrode-electrolyte Interface by in-situ ToF-SIMS</b> Xin HUA <i>East China University of Science and Technology</i>
11:05-13:30	Lunch	
Chairs	Jinming LIN & Xueyun GAO	
13:30-13:45	I&O-140	<b>Generation of Pico-liter Droplets of Liquid for Capillary Electrophoresis and Electrospray Ionization</b> Jinming LIN <i>Tsinghua University, China</i>
13:45-14:00	I&O-141	<b>Quantitative Analysis of Tumor-Associated Proteins for Different Invasive Tumor Cells in Single Cell Level</b> Xueyun GAO <i>Institute of High Energy Physics, CAS, China</i>
14:00-14:15	I&O-142	<b>Selection of Aptamers Based on Protein Biochip</b> Danke XU <i>Nanjing University, China</i>
14:15-14:30	I&O-143	<b>The Power of Reactive Polymers in Nanochemistry</b> Hongwei DUAN <i>Nanyang Technological University, Singapore</i>
14:30-14:45	I&O-144	<b>The Design and Applications of Functional Metal-Organic</b> Xuebo YIN <i>Nankai University, China</i>
Chairs	Yi CHEN & Hailong WU	
14:45-15:00	I&O-145	<b>Capillary Electrophoresis with High Reproducibility</b> Yi CHEN <i>Institute of Chemistry, CAS, China</i>
15:00-15:15	I&O-146	<b>Aspects of Recent Developments on Smart Quantitative Analysis of Complex Chemical Systems Using High-order Analytical Instruments Coupled with High-order Tensorial Calibration Methods</b> Hailong WU <i>Hunan University, China</i>
15:15-15:30	I&O-147	<b>Core-shell Carbon Materials Derived from Metal-organic Frameworks as an Efficient Oxygen Bifunctional Electrocatalyst</b> Zhijuan WANG <i>Nanjing Tech University, China</i>
15:30-15:45	I&O-148	<b>Direct Pen Writing Strategy for Paper-Based Electrochemical Point-of-Care Devices</b> Fei LI <i>Xi'an Jiaotong University, China</i>

15:45-16:00	I&O-149	<b>Cooperative Amplification-Based Electrochemical Sensor for the Zeptomole Detection of Nucleic Acids</b> Liping QIU <i>Hunan University, China</i>
Dinner		

<b>Session D: I&amp;O Lectures</b>		
<b>Room: 4039</b>		
<b>20th August (Sun.)</b>		
Chairs	Masa-aki HAGA & Chengguo HU	
9:50-10:05	I&O-150	<b>Scalable Redox-Active Coordination Network Films Based on Ruthenium Complexes Toward Electrochemical Devices</b> Masa-aki HAGA <i>Chuo University, Japan</i>
10:05-10:20	I&O-151	<b>Light-addressable Photoelectrochemical Sensors for High-throughput Biosensing and Drug Screening</b> Chengguo HU <i>Wuhan University, China</i>
10:20-10:35	I&O-152	<b>SCN- Substituted Ruthenium Bipyridine Complex and its Application for Highly Sensitive and Selective Photoelectrochemical Detection of Hg<sup>2+</sup></b> Shuo Wu <i>Dalian University of Technology, China</i>
10:35-10:50	I&O-153	<b>Regioselectivity for charge transfer in grapheme</b> Gururaj KUDUR JAYAPRAKASH <i>Universidad Guadalajara, Mexico</i>
10:50-11:05	I&O-154	<b>Photoelectrochemical aptasensor Based on CdTe Quantum Dots-single Walled Carbon Nanohorns for the Sensitive Detection of Streptomycin</b> Xixi XU <i>Jiangsu University, China</i>
11:05-13:30	Lunch	
Chairs	Yang-Wei LIN & Muhammad Nadeem ZAFAR	
13:30-13:45	I&O-155	<b>Screening Photocatalysts with High Signal/Noise Ratio and High throughput by Scanning Electrochemical Microscopy</b> Dongping ZHAN <i>Xiamen University, China</i>
13:45-14:00	I&O-156	<b>Synthesis, Characterization, and Enhanced Visible Light Photocatalytic Properties of Bismuth based Photocatalysts</b> Yang-Wei LIN <i>National Changhua University of Education, Taiwan, China</i>
14:00-14:15	I&O-157	<b>Photoelectrochemical Aptasensor Based on 2D-plasmonic-photonic Materials</b> Zhonghai ZHANG <i>East China Normal University, China</i>
14:15-14:30	I&O-158	<b>A Versatile Bioanode with Improved Current Density and the Coulombic Efficiency Through a Cascade Reaction</b> Muhammad Nadeem ZAFAR <i>University of Gujrat, Pakistan</i>
14:30-14:45	I&O-159	<b>The Electroanalytical Evaluation of Highly Porous Nanodimensional Polyaniline for Applications in Energy Storage Devices</b> Salma BILAL <i>University of Peshawar, Pakistan</i>
Chairs	Yanyan SONG & Mohammad RIZWAN	
14:45-15:00	I&O-160	<b>Drug Delivery Triggered by Photocatalysis: from UV Light to NIR Light</b> Yanyan SONG <i>Northeastern University, China</i>
15:00-15:15	I&O-161	<b>A Highly Sensitive and Label-free Electrochemiluminescence Immunosensor for Beta 2-Microglobulin</b> Mohammad RIZWAN <i>Universiti Brunei Darussalam, Brunei</i>
15:15-15:30	I&O-162	<b>Polyamidoamine Starburst dendrimer-activated Paper-based Fluorescence Assay for Sensitive Detection of Telomerase Activity</b> Hua ZHANG <i>Changchun Institute of Applied Chemistry, CAS, China</i>

15:30-15:45	I&O-163	<b>Applicaton of ECL with Tetraphenylborate Coreactant for Detection of Oxidants</b> Yuriy ZHOLUDOV <i>Changchun Institute of Applied Chemistry, CAS</i>
15:45-16:00	I&O-164	
Dinner		

## Poster Presentation

<b>Complex Building of CIAC (4th, 5th and 6th lobby)</b>	
<b>18th August, Friday</b>	
<b>P-1</b>	<p><b>The Process of Wrapping Virus Revealed by a Force Tracing Technique</b>  <u>Qingrong ZHANG</u>, Yangang PAN, Yuping SHAN, and Hongda WANG*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-2</b>	<p><b>Study of the Interactions Between Lectins and Carbohydrates by Single-Molecule Force Spectroscopy</b>  <u>Mingjun CAI</u>, Haijiao XU, Jundu JIANG, Hongda WANG*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-3</b>	<p><b>Aptamer-recognized Carbohydrates on the Cell Membrane Revealed by Super-Resolution Microscopy</b>  <u>Yingying JING</u>, Jing GAO, Mingjun CAI, Hongda WANG*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-4</b>	<p><b>The Golgi Complex Regulates the Level of Membrane Receptor In Cancer</b>  <u>Haijiao XU</u>, Mingjun CAI, Jing GAO, Shi YAN, Hongda WANG*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-5</b>	<p><b>Mapping GLUT1 in Cell Membranes by Stochastic Optical Reconstruction Microscopy</b>  <u>Qiuyan AN</u>, Jing GAO, Mingjun CAI, Hongda WANG*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-6</b>	<p><b>Insights into the Protein Clusters at the Cytoplasmic Side of Cell Membranes by Hybrid AFM/dSTORM</b>  <u>Lulu ZHOU</u>, Mingjun CAI, Hongda WANG*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-7</b>	<p><b>Synthesis of Photothermal Gold Nanostars for Cell Therapy</b>  <u>Guanyu DING</u>, Baoji DU, Xu HAN, Qing DONG, Yan DU*, Dan LI*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-8</b>	<p><b>A Label-free and Resettable Electrochemical Molecular Keypad Lock Security Model Based on DNA-metal Interaction</b>  <u>Xu HAN</u>, Bingling LI*, Yan DU*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-9</b>	<p><b>Three-way Junction based Gene Detection</b>  <u>Baiyang LU</u>, Yidan TANG, Bingling LI*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-10</b>	<p><b>Spatial organization based reciprocal switching of enzyme-free nucleic acid circuits</b>  <u>Yidan TANG</u>, Zhentong ZHU, Baiyang LU, and Bingling LI*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>
<b>P-11</b>	<p><b>Adaption of solid-state nanopore to homogeneous single-molecule verification of spatial DNA organization</b>  <u>Zhentong ZHU</u>, Ya ZHOU, Xiaolong XU, Yongdong JIN* and Bingling LI*  <i>Changchun Institute of Applied Chemistry, CAS</i></p>

<b>P-12</b>	<b>Platinum(II)-oligonucleotidecoordination Based Fluorescent Probe for Sensitive and Selective Detection of Pt (II)</b> <u>Yaqing CHANG</u> , Zhe ZHANG, Nan WANG, Jilin TANG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-13</b>	<b>A Label-free DNA Biosensor for Detection of DNase I Activity Based on Electrochemical Method</b> <u>Chen LI</u> , Bailin ZHANG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-14</b>	<b>Multiple Detection of Mycotoxins Based on Aptamer Functionalized Microcantilever Sensor</b> <u>Xuejuan CHEN</u> , Chen LI, Bailin ZHANG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-15</b>	<b>Poly-thymine Templated CuNPs Based Label-free and Nanoquencher-free System for Fabricating Various DNA Ternary Logic Gates</b> <u>Daoqing FAN</u> , Erkang WANG, Shaojun DONG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-16</b>	<b>A Novel MoS<sub>2</sub>/rGO@PANI Nanocomposites Based Electrochemical Aptasensor for Detection of Aflatoxin</b> <u>Girma SELALE GELETA</u> , Zhen ZHAO, Zhenxin WANG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-17</b>	<b>Multiple Detection of Single Nucleotide Polymorphism by Microarray-Based Resonance Light Scattering Assay with Enlarged Gold Nanoparticle Probes</b> <u>Jiaxue GAO</u> , Lan MA, Zhen LEI, Zhenxin WANG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-18</b>	<b>The Interaction of Spherical Nucleic Acid Nanoparticle Conjugate with Living Cell</b> <u>Yanhong SUN</u> , Jiaxue GAO, Zhen ZHAO, Hongda CHEN, Zhenxin WANG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-19</b>	<b>A Novel Enzyme-Free Aptamer/AuNPs-Based Fluorescence and UV-vis Integration Dual-Mode System for the Detection of ATP</b> <u>Shasha LU</u> , Jian SUN, Xiurong YANG* <i>Changchun Institute of Applied Chemistry, CAS</i>
<b>P-20</b>	<b>Nanozymes for Bioanalytical and Biomedical Applications</b> <u>Xiaoyu WANG</u> , Hui WEI* <i>Nanjing University</i>
<b>P-21</b>	<b>Thiophene Derivatives-Modified Glassy Carbon Electrodes toward Electrochemical Determination of Thiourea</b> <u>Chunyan ZHANG</u> , <u>Guocheng YANG</u> * <i>Changchun University of Technology</i>
<b>P-22</b>	<b>The Fluorescent Mesoporous Gold Nanomaterial's Synthesis and Sewage detection</b> <u>Furong NIE</u> , Jun Ai* <i>Inner Mongolia Normal University</i>
<b>P-23</b>	<b>Preparation and Application of PDDA Templated of Palladium Nanomaterials</b> <u>Ning Wang</u> , Jun Ai* <i>Inner Mongolia Normal University</i>

<b>P-24</b>	<p><b>Water-Soluble VS<sub>2</sub> Quantum Dots based Biosensor for Sensitive Detection of Glutathione</b></p> <p><u>Caicui DU</u>, Anqi SHANG, Wenbo SONG* <i>Jilin University</i></p>
<b>P-25</b>	<p><b>TiO<sub>2</sub> Nanocrystals with Peroxidase like Activities for High Performance Glucose Biosensing</b></p> <p><u>Xiaosheng LIANG</u>, Xianen ZHANG* <i>Institute of Biophysics, CAS</i></p>
<b>P-26</b>	<p><b>A Simple Physical Approach to Fabricate a Highly Sensitive H<sub>2</sub>O<sub>2</sub> Biosensor Based on Graphene Oxide and Horseradish Peroxidase Co-Immobilized Glassy Carbon Electrode</b></p> <p><u>Yue WANG*</u>, Zhiqiang ZHANG, Kejuan ZHAO, Chen FU, Jiaqi CHEN <i>University of Science and Technology Liaoning</i></p>
<b>P-27</b>	<p><b>Ultrasensitive Detection of MicroRNAs with Morpholino Functionalized Nanochannel Biosensor</b></p> <p>Tangbin LIAO*, <u>Zhongyue SUN</u>, Guojun ZHANG <i>Hubei University of Chinese Medicine</i></p>
<b>P-28</b>	<p><b>A Simple and Environmentally Friendly Method for the Preparation of Gold Nanoparticles-Reduced Graphene Oxide Composite and Its Electrochemical Sensing Application</b></p> <p>Xiao FENG, Xiaoxia CHEN, Shanshan WANG, Jun JIN, Xuan JIAN, <u>Hao YU*</u> <i>Yan'an University</i></p>
<b>P-29</b>	<p><b>Fabrication of Self-cleaning Electrode and Its Application for Refreshable Electrochemical Biosensors</b></p> <p><u>Xiaoli ZHU*</u>, Huinan CHEN, Yaoyao CHEN <i>Shanghai University</i></p>
<b>P-30</b>	<p><b>MicroRNA-Powered Enzyme-free Three-Dimensional Bi-directional DNA Domino Nanomachine for the Ultrahigh Sensitive Detection of Cancer Biomarkers</b></p> <p><u>Pu ZHANG</u>, Ruo YUAN* <i>Southwest University</i></p>
<b>P-31</b>	<p><b>Biomimetic Sensor Based on the Proline Tailed Metalloporphyrin with Graphene for Detection of Biomolecule</b></p> <p>Xiaoyi YAN, Yue GU, Cong LI, Nannan LU, Bo ZHENG, Yaru LI, Tingting Zhang, He LIU, <u>Zhiquan ZHANG*</u> <i>Jilin University</i></p>
<b>P-32</b>	<p><b>The Electrochemically Synthesis of Nitrogen-doped Graphene and Its Application for Biosensing</b></p> <p><u>Dong LIU</u>, Libo LI, Tianyan YOU* <i>Jiangsu University</i></p>
<b>P-33</b>	<p><b>FRET Based Fluorescent Method for Quickly Detection of Ochratoxin A</b></p> <p><u>Chengke WANG*</u>, Rong TAN, Qingqing WANG, Dan CHEN <i>Jiangsu University</i></p>
<b>P-34</b>	<p><b>High Efficiency Fluorescence Quenching-graphite Nanoparticle Biosensor for 17<math>\beta</math>-estradiol Detection based on Shortening Aptamer Sequences</b></p> <p><u>Xiaoli QJ</u>, Hui HU, Yunxian PIAO* <i>Jilin University</i></p>

<b>P-36</b>	<b>Carbon Dots Fluorescent Sensor for Detection of Guanine</b> Yicai NONG, <u>Yali YUAN*</u> <i>Guilin University of Technology</i>
<b>P-37</b>	<b>A Novel Electrochemical Sensing Based on Fe<sub>3</sub>O<sub>4</sub>-doped Nanoporous Carbon for the Simultaneous Determination of Diethylstilbestrol and 17β-estradiol in Toner</b> <u>Zhaoxia SHI</u> , Xiaoman CHEN, Xiaohua XIAO, Yufei Hu, Jiani Yang, Gongke Li* <i>Sun Yat-sen University</i>
<b>P-38</b>	<b>N-Doped CNTs-Chitosan Nanosensor for Amperometric Application in Solubilized System</b> <u>Dhanjai</u> , Jiping CHEN* <i>Dalian Institute of Chemical Physics, CAS</i>
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