

# ***Program***

## The Fifteenth International Symposium on Electroanalytical Chemistry

(15th ISEAC)

August 13-16, 2015

**Changchun, China**

### **ORGANISED BY:**

State Key Laboratory of Electroanalytical Chemistry (SKLEAC), Changchun Institute of Applied Chemistry (CIAC), Chinese Academy of Sciences (CAS)  
National Analytical Research Center of Electrochemistry and Spectroscopy, CIAC, CAS  
Engineering Laboratory for Modern Analytical Techniques

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# Agenda and Chairpersons of Sessions\*

August 13-16, 2015, Changchun, China

		13th	14th	15th	16th												
<b>Morning</b>	<b>Registration (8:00-21:00)</b>	<b>Opening Remark</b> <u>8:00-8:05</u> L. H. LU		<b>Plenary Lectures</b> (PL-8~11) <u>8:00-9:40</u> S. J. DONG & A. ELLINGTON		<b>Plenary Lectures</b> (PL-16~20) <u>8:00-10:05</u> H. Y. CHEN & H. KIM											
		<b>Plenary Lectures</b> (PL-1~4) <u>8:05-9:45</u> Z. F. CHAI & S. COSNIER		COFFEE BREAK													
		COFFEE BREAK & PHOTOGRAPH		<b>Plenary Lectures</b> (PL-5~7) <u>10:25-11:40</u> Y. K. ZHANG & T. KAKIUCHI		<b>Plenary Lectures</b> (PL-12~15) <u>9:55-11:35</u> X. R. YANG & C. AMATORE		<b>Invited &amp; Oral Lectures</b>									
						<b>Session A</b> (I&O105-109) <u>10:20-11:35</u> F. HARTL & G. X. LI	<b>Session B</b> (I&O110,10,12,113,169) <u>10:20-11:35</u> X. Y. GAO & C.-C. HUANG	<b>Session C</b> (I&O115-119) <u>10:20-11:35</u> T. IMATO & G. WEI	<b>Session D</b> (I&O176,121,167,123,103) <u>10:20-11:35</u> Z. STOJEK & Q. J. XIE								
<b>LUNCH</b>																	
<b>Afternoon</b>	<b>Keynote, Invited &amp; Oral Lectures</b>		<b>Keynote, Invited &amp; Oral Lectures</b>				<b>Invited &amp; Oral Lectures</b>										
	<b>Session A</b>	<b>Session B</b>	<b>Session C</b>	<b>Session D</b>	<b>Session A</b>	<b>Session B</b>	<b>Session C</b>	<b>Session D</b>	<b>Session A</b>	<b>Youth Forum</b>	<b>Session C</b>	<b>Session D</b>					
	(K1, I&O1-5) <u>13:30-15:05</u> A. IVASKA & P. F. WANG	(K2, I&O14-18) <u>13:30-15:05</u> A. EYCHMULER & Z. Y. TANG	(K3, I&O27,173,29-31) <u>13:30-15:05</u> O. NIWA & W. XING	(K4, I&O40-44) <u>13:30-15:05</u> M. M. RICHTER & H. J. ZHAO	(K5, I&O53-57) <u>13:30-15:05</u> J. A. HO & R. H. YANG	(K6, I&O66-69,166) <u>13:30-15:05</u> C.-H. CHEN & D. W. PAMG	(K7, I&O79-83) <u>13:30-15:05</u> A. OFFENHÄUS SER & J. J. XU	(K8, I&O92-95,168) <u>13:30-15:05</u> Z. F. DING & M. OYAMA									
	COFFEE BREAK				COFFEE BREAK				(I&O125-129) <u>13:30-14:40</u> D. LEE & R. YUAN		(I&O135-138) <u>13:30-14:30</u> F. XIA & Z. X. NIE		(I&O144-148) <u>13:30-14:45</u> Q. FANG & C. Y. YANG		(I&O154-157,177) <u>13:30-14:45</u> Y. W. LIN & D. SNIZHKO		
	<b>Invited &amp; Oral Lectures</b>				<b>Invited &amp; Oral Lectures</b>												
	<b>Session A</b>	<b>Youth Forum</b>	<b>Session C</b>	<b>Session D</b>	<b>Session A</b>	<b>Youth Forum</b>	<b>Session C</b>	<b>Session D</b>	(I&O130-132,172,134) <u>14:45-16:00</u> Y. MATSUO & X. Q. LU		(I&O139-143) <u>14:30-15:45</u> X. H. XIA & Y. ZHOLUDOV		(I&O149,165,151-153) <u>14:45-16:00</u> J. M. LIN & L. H. ZHANG		(I&O159,170,161-163) <u>14:45-16:15</u> S. Q. LIU & S. EL DEEB		
(I&O6-9) <u>15:20-16:20</u> Y. OZAKI & H. L. WU	(I&O19-22) <u>15:20-16:20</u> X. Y. JIANG & Y. HE	(I&O32-35) <u>15:20-16:20</u> K. UOSAKI & Y. H. SHAO	(I&O45,46,171,48) <u>15:20-16:20</u> J. ST-PIERRE & J. D. ZHANG	(I&O58-61) <u>15:20-16:20</u> C. K. MITRA & C. Z. HUANG	(I&O71-74) <u>15:20-16:20</u> Y. Y. HUANG & Z. NIE	(I&O150,85-87) <u>15:20-16:20</u> W. L. CHENG & Y. TIAN	(I&O97-100) <u>15:20-16:20</u> J. P. XIE & J. C. REN										
(I&O111,11-13) <u>16:20-17:20</u> Y. B. JIANG & J. H. WANG	(I&O23-26) <u>16:20-17:20</u> S. T. WANG & A. OLEINICK	(I&O36-39) <u>16:20-17:20</u> Y. T. LONG & S. YE	(I&O49-52) <u>16:20-17:20</u> Y. UENO & C. ZHAO	(I&O62,124,64,65) <u>16:20-17:20</u> J. L. MARTY & H. X. JU	(I&O75-78) <u>16:20-17:20</u> W. SHEN & S. SABAHAT	(I&O88-91) <u>16:20-17:20</u> L. COLOMBI CIACCHI & X. M. WANG	(I&O174,102,175,104) <u>16:20-17:20</u> J. BAREK & J. Y. CHEN										
COFFEE BREAK						COFFEE BREAK						AWARDING					
<b>Evening</b>	<b>BANQUET IN REDBUDS HOTEL</b> <u>18:30-21:00</u>		<b>SUPPER</b>				<b>SUPPER</b>										

**\*Notes: Opening Remark & Plenary Lectures will be presented in the Conference Hall on the 7th floor (audio-video synchronization in 6040#) in the Complex Building of CIAC; Sessions A, C and D will be presented in the Conference Halls on the 7th, 5th and Classroom on the 4th floor in the Complex Building of CIAC. Session B and Youth Forum will be presented in the 6th floor. Poster presentations will be presented in the lobby of the 4th, 5th and 6th floor in the Complex Building of CIAC in afternoon of 14th and 15th from 13:30 to 16:30. Coffee break will be served in the lobby of 5th and 6th floor in the Complex Building of CIAC. Author in bold will give presentation, and corresponding author is labeled by \*.**

# Program

15th ISEAC - August 13-16, 2015, Changchun, China

Thursday 13 August 2015			
8:00-21:00	<b>REGISTRATION (Redbuds Hotel 1st Lobby)</b>		
Friday 14 August 2015 (Plenary Lectures) Complex Building of CIAC (Room 7039)			
	8:00-8:05 5 min	Opening Remarks	Lehui LU
Chairpersons: Zhifang CHAI & Serge COSNIER			
PL-1	8:05-8:30 25 min	Christian AMATORE, Oleksii SLIUSARENKO, Alexander OLEINICK and Irina SVIR (Prof., CNR & Ecole Normale Supérieure, France)	Electrochemistry at Regular and Random Arrays of Disk Electrodes
PL-2	8:30-8:55 25 min	Lijun WAN (Prof., University of Science and Technology of China, CAS, China)	Surface Molecular Nanostructures: Assembly and Reaction
PL-3	8:55-9:20 25 min	Andrew ELLINGTON (Prof., The University of Texas at Austin, USA)	DNA Circuitry For Point-Of-Care Diagnostics
PL-4	9:20-9:45 25 min	Weihong TAN (Prof., Hunan Universtiy, China)	DNA Nanostructures And Networks
COFFEE BREAK & PHOTOGRAPH (9:45-10:25)			
Chairpersons: Yukui ZHANG & Takashi KAKIUCHI			
PL-5	10:25-10:50 25 min	I-Ming HSING (Prof., The Hong Kong University of Science and Technology, Hong Kong)	Enzyme-Free Nucleic Acid based Diagnostics Exploiting Kinetically Controlled Self-Assembly
PL-6	10:50-11:15 25 min	Kwok-Yin WONG, Enna HA, and Lawrence Yoonsuk LEE (Prof., The Hong Kong Polytechnic University, Hong Kong)	Au/Cu <sub>2</sub> MSnS <sub>4</sub> (M=Zn, Fe) Core-Shell Nanostructures for Plasmon-Enhanced Photocatalytic Hydrogen Generation
PL-7	11:15-11:40 25 min	Shaojun DONG (Prof., Changchun institute of Applied Chemistry, CAS, China)	Light Enhanced Biofuel Cells
LUNCH IN DINNING HALL OF COMPLEX BUILDING			
Friday 14 August 2015 (Keynote, Invited & Oral Lectures: Session A) Complex Building of CIAC (Room 7039)			
Chairpersons: Ari IVASKA & Pengfei WANG			

K-1	13:30-13:50 20 min	<b>Yukihiro OZAKI</b> , Sanpon VANTASIN, Toshiaki SUZUKI, Yasunori KUTSUMA, and Tadaaki KANEKO (Prof., Kwansei Gakuin University, Japan)	Tip-enhanced Raman scattering study on epitaxial graphene
I&O-1	13:50-14:05 15 min	Xin WU, Xuanxuan CHEN, Peng ZHANG, Zhan CHEN, Zhao LI, and <b>Yunbao JIANG</b> (Prof. Xiamen University, China)	SPEC/Flu/Clinic pharmaceutical/fluorescence Chiral Sensing Using Induced Aggregation of Achiral Chromophores
I&O-2	14:05-14:20 15 min	Chaoqing DONG, Bocheng ZHANG, and <b>Jicun REN</b> (Prof., Shanghai Jiao Tong University, China)	Resonance Light Scattering Correlation Spectroscopy (RLSCS): Theories, Methods and Applications
I&O-3	14:20-14:35 15 min	<b>Yuko UENO</b> , and Katsuhiko AJITO (Prof., NTT Basic Research Laboratories, Japan)	Terahertz chemical imaging of pharmaceutical crystals
I&O-4	14:35-14:50 15 min	<b>Fan ZHANG</b> (Prof., Fudan University, China)	High Efficient Upconverting Fluorescent Nanomaterials for disease diagnostics and therapy
I&O-5	14:50-15:05 15 min	<b>Jinhua ZHAN</b> , Yu-e SHI, and Jingcheng CUI (Prof., Shandong University, China)	Surface Enhanced Raman Spectroscopy for Rapid detection of Environmental Pollutants
<b>COFFEE BREAK (15:05-15:20)</b>			
<b>Chairpersons: Yukihiro OZAKI &amp; Hailong WU</b>			
I&O-6	15:20-15:35 15 min	<b>Pengfei WANG</b> , Jiechao GE, and Weimin LIU (Prof., Technical Institute of Physics and Chemistry of the Chinese Academy of Sciences, China)	Multi-functional Carbon Dots for Biosensing and Bioimaging Applications
I&O-7	15:35-15:50 15 min	Xiaoli YIN, <b>Hailong WU</b> , Huiwen GU, Yong HU, Hui XIA, Li WANG, and Ruqin YU (Prof., Hunan University, China)	Second-order calibration method applied to process three-way excitation-emission-kinetic fluorescence data: A novel tool for real-time quantitative analysis of the lactone hydrolysis of irinotecan in human plasma
I&O-8	15:50-16:05 15 min	Chia-Wen LIEN, Kuang-I HSU, Huan-Tsung CHANG, and <b>Chih-Ching HUANG</b> (Prof., National Taiwan Ocean University, Taiwan)	Control of Enzyme-Like Nanocomposites for Selective Detection of Lead, Mercury and Sulfide Ions
I&O-9	16:05-16:20 15 min	<b>Jannu CASANOVA MORENO</b> , Zhinan Landis YU, and Dan BIZZOTTO (University of British Columbia, Canada)	On the Use of In-situ Fluorescence Microscopy to Evaluate the Rate of Conformational Change in Fluorescently-Labeled DNA Self Assembled Monolayers
<b>Chairpersons: Yunbao JIANG &amp; Jianhua WANG</b>			
I&O-111	16:20-16:35 15 min	<b>Daiwen PANG</b> (Prof., Wuhan University, China)	Tracking single viruses infecting their host cells with quantum dots
I&O-11	16:35-16:50 15 min	Xiaowen YAN, Yong LIANG, Chunlan LIU, Limin YANG, and <b>Qiuquan WANG</b> (Prof., Xiamen University, China)	Element-tagging strategy for molecular biomarkers and cells
I&O-12	16:50-17:05 15 min	<b>Cong YU</b> (Prof., Changchun Institute of Applied Chemistry, China)	Small molecular probes: new technologies of signal conduction and the applications in bioanalysis and biosensing
I&O-13	17:05-17:20 15 min	Li ZHENG, Tiantian WANG, <b>Honghao SUN</b> , and Mingxing LIU* (Prof., Hubei University of Technology, China)	Fluorescent pH nanosensor with expanded measuring range for Intracellular pH Measurements

**Friday 14 August 2015 (Keynote, Invited & Oral Lectures: Session B) Complex Building of CIAC (Room 6040)**

**Chairpersons: Alexander EYCHMÜLLER & Zhiyong TANG**

K-2	13:30-13:50 20 min	<b>Andreas OFFENHÄUSSER</b> , Sergii PUD, Jing LI, Phu Duy TRAN, Svetlana VITUSEVICH, Bernhard WOLFRUM, and Benjamin THIERRY (Prof., Institute of Molecular Bioelectronics, Germany)	MCMOS-compatible silicon nanowire sensors for real-time (bio)chemical detection
I&O-14	13:50-14:05 15 min	<b>Zbigniew STOJEK</b> , Marcin KARBARZ, Klaudia KANIEWSKA, and Marcin MACKIEWICZ (Prof., University of Warsaw, Poland)	Functionalization and Deposition of Micro- and Nanohydrogels Sensitive to Environmental Conditions
I&O-15	14:05-14:20 15 min	Bo HU, Ning WANG, Mingli CHEN, Xuwei CHEN, and <b>Jianhua WANG</b> (Prof., Northeastern University, China)	Gold Nanocarriers/Nanocomposites for Controlled Drug Release and Their Anti-bacterial Applications
I&O-16	14:20-14:35 15 min	<b>Shutao WANG</b> (Prof., Technical Institute of Physics and Chemistry, CAS, China)	Engineering biointerface with controlled cell adhesion towards cancer diagnostics
I&O-17	14:35-14:50 15 min	<b>Wenlong CHENG</b> (Prof., Monash University, Australia)	Soft Plasmonic Superlattice Nanosheets and Wearable E-Skin Biomedical Sensors
I&O-18	14:50-15:05 15 min	<b>Xiaojun HAN</b> (Prof., Harbin Institute of Technology, China)	Electric field induced lipid molecule assembly

**COFFEE BREAK (15:05-15:20)**

**Friday 14 August 2015 (Invited & Oral Lectures: Youth Forum) Complex Building of CIAC (Room 6040)**

**Chairpersons: Xingyu JIANG & Yan HE**

I&O-19	15:20-15:35 15 min	Yong LI, Zhenlin CHEN, Yunyan XIE, Wenfu ZHENG, and <b>Xingyu JIANG</b> (Prof., National Center for Nanoscience and Technology, China)	Electrochemical control of cell migration on microfluidics
I&O-20	15:35-15:50 15 min	<b>Yan HE</b> , Xiaodong CHENG and Xuan CAO, and Bin XIONG (Prof., Hunan University, China)	Color Difference Amplification in Colorimetric Analysis with Actively Controlled Illumination
I&O-21	15:50-16:05 15 min	<b>Weihua HUANG</b> (Prof., Wuhan University, China)	Construction of Multifunctional Electrochemical Sensors for Monitoring of Cells in Real Time
I&O-22	16:05-16:20 15 min	<b>Bifeng LIU</b> , Peng CHEN, and Wei DU (Prof., Huazhong University of Science and Technology, China)	Precision Targeted Chemical Perfusion Based on Microfluidic Chips for Tracking Stimulation-activated Cell Dynamics

**Chairpersons: Shutao WANG & Alexander OLEINICK**

I&O-23	16:20-16:35 15 min	<b>Haichen WU</b> (Prof., Institute of High Energy Physics, CAS, China)	Detection of 5-Methylcytosine and 5-Hydroxymethylcytosine in DNA via Nanopore Sensing
I&O-24	16:35-16:50 15 min	<b>Fuan WANG</b> , and Itamar WILLNER (Prof., Wuhan University, China)	Amplified sensing based on DNAzyme circuits
I&O-25	16:50-17:05 15 min	<b>Tao LI</b> (Prof., University of Science and Technology of China, CAS, China)	Four-stranded DNAs as versatile tools for biosensors, logic computing and nanodevices
I&O-26	17:05-17:20 15 min	XiuJuan QI, and <b>Chunhua LU</b> and Huanghao YANG, Itamar WILLNER (Prof., Fuzhou University, China)	Interlocked DNA Catenane Machines

**Friday 14 August 2015 (Keynote, Invited & Oral Lectures: Session C) Complex Building of CIAC (Room 5040)**

**Chairpersons: Osamu NIWA & Wei XING**

K-3	<b>13:30-13:50</b> 20 min	<b>Kohei UOSAKI</b> (Prof., National Institute for Materials Science, Hokkaido University, Japan)	Mechanisms of and Electrocatalysts for Oxygen Reduction Reactions in Aqueous and Non-aqueous Solutions
I&O-27	<b>13:50-14:05</b> 15 min	<b>Yuanhua SHAO</b> , Xiaohong YIN, Shudong ZHANG, Xianhao ZHANG, Jing GU, Ye CHEN, and Xin ZHANG (Prof., Perking University, China)	Electrochemical Rectification
I&O-173	<b>14:05-14:20</b> 15 min	<b>Kamel EID</b> , and Liang WANG (Changchun Institute of Applied Chemistry, CAS, China)	Controlled Synthesis of trimetallic PtPdRu Nanocage with Porous Dendritic shell; Highly Active and Durable Electrocatalysts for Oxygen Reduction Reaction
I&O-29	<b>14:20-14:35</b> 15 min	<b>Jingyuan CHEN</b> , and Koichi Jeremiah AOKIA (Assoc. Prof., University of Fukui, Japan)	Electric double layer capacitance in deionized latex suspensions by ac-impedance
I&O-30	<b>14:35-14:50</b> 15 min	<b>Dmytro SNIZHKO</b> , Mykola ROZHITSKII, Nikos TSIERKEZOS, and Uwe RITTER (Assoc. Prof., Kharkiv National University of Radioelectronics, Ukraine)	Ultrafast Voltammetry in Electroanalytics
I&O-31	<b>14:50-15:05</b> 15 min	<b>Jiahai WANG</b> Jiang HONG, and Erkang WANG (Prof., Shandong University, China)	Gas-Breathing Polymer for Constructing Ionic Diode

**COFFEE BREAK (15:05-15:20)**

**Chairpersons: Kohei UOSAKI & Yuanhua SHAO**

I&O-32	<b>15:20-15:35</b> 15 min	<b>Chun-hsien CHEN</b> , Ta-Cheng TING, Liang-Yan HSU, Min-Jie HUANG, Hao-Cheng LU, Er-Chien HORNG, Chan-Hsiang HSU, and Shie-Ming PENG* (Prof., National Taiwan University, Taiwan)	Tuning the Single-molecule Conductance of Metal String Complexes by Electrochemical Gating
I&O-33	<b>15:35-15:50</b> 15 min	<b>Yitao LONG</b> (Prof., East China University of Science and Technology, China)	Surface Electrochemistry of Ubiquinone
I&O-34	<b>15:50-16:05</b> 15 min	<b>Alexander OLEINICK</b> , Oleksiy KLYMENKO, Irina SVIR, and Christian AMATORE (Assoc. Prof., CNR & Ecole Normale Supérieure, France)	KISSA <sup>®</sup> : a General User-Friendly Software for Accurate Investigation of Electrochemical Mechanism of Any Complexity
I&O-35	<b>16:05-16:20</b> 15 min	<b>Chengguo HU</b> , Jiaojiao SUN, Quan WANG, and Shengshui HU (Prof., Wuhan University, China)	Graphene-based Electrode Arrays: Fabrication and Applications

**Chairpersons: Yitao LONG & Shen YE**

I&O-36	<b>16:20-16:35</b> 15 min	<b>Huijun ZHAO</b> (Prof., a. Institute of Solid State Physics, CAS, China, b. Griffith University, Australia)	Nanostructured Photocatalysts for Photoelectrocatalysis-based Sensing Applications
I&O-37	<b>16:35-16:50</b> 15 min	<b>Xiaoquan LU</b> (Prof., Northwest Normal University, China)	Fundamental Research of Porphyrin Electrochemistry
I&O-38	<b>16:50-17:05</b> 15 min	Ensheng XU, Yanqin LV, and <b>Jifeng LIU</b> (Prof., Liaocheng University, China)	An Electrochemical Study Based on Thymine-Hg-Thymine DNA Base Pairs Mediated Charge Transfer Proces
I&O-39	<b>17:05-17:20</b> 15 min	<b>Pengchao SI</b> , Xinxin XIAO, Christian ENGELBREKT, and Jingdong ZHANG (Assoc. Prof., Shandong University, China)	Nanoporous Gold in Electrochemical Applications



**Friday 14 August 2015 (Keynote, Invited & Oral Lectures: Session D) Complex Building of CIAC (Room 4039)**

**Chairpersons: Mark M RICHTER & Huijun ZHAO**

K-4	<b>13:30-13:50</b> 20 min	Yunfeng ZHAI, Junjie GE, and <b>Jean ST-PIERRE</b> (Prof., University of Hawaii-Manoa, USA)	Long Term Effects Of An Airborne Contaminant On A Proton Exchange Membrane Fuel Cell
I&O-40	<b>13:50-14:05</b> 15 min	<b>Gengfeng ZHENG</b> (Prof., Fudan University, China)	Semiconducting Nano-heterostructures: from Artificial Photosynthesis to Artificial Retina
I&O-41	<b>14:05-14:20</b> 15 min	<b>Zhiming CUI</b> , Longjun LI, Arumugam MANTHIRAM, and John B. GOODENOUGH* (The University of Texas at Austin, USA)	Structurally ordered Pd <sub>3</sub> Fe intermetallic catalysts as a high performance ORR electrocatalyst for hybrid Li-air batteries
I&O-42	<b>14:20-14:35</b> 15 min	Xiangjie BO, and <b>Liping GUO</b> (Prof., Northeast Normal University, China)	High-Performance Electrocatalysts based on porous carbon materials and their composites
I&O-43	<b>14:35-14:50</b> 15 min	Wushuang BAI, Qinglin SHENG and <b>Jianbin ZHENG</b> (Prof., Northwest University, China)	Synthesis of Silver Nanoparticles Based on Hydrophobic Interface Regulation and Its Application of Electrochemical Catalysis
I&O-44	<b>14:50-15:05</b> 15 min	<b>Christian ENGELBREKT</b> , Nedjeljko SESELJ, Jens ULSTRUP, and Jingdong ZHANG* (Technical University of Denmark, Denmark)	The SAMENS Method for Gold Nanostructure Syntheses: Green Synthesis and Electrocatalysis

**COFFEE BREAK (15:05-15:20)**

**Chairpersons: Jean ST-PIERRE & Jingdong ZHANG**

I&O-45	<b>15:20-15:35</b> 15 min	<b>Jiri BAREK</b> , and Josino C. MOREIRA (Prof., Charles University in Prague, Czech Republic)	Electroanalytical monitoring of biomarkers of exposure, treatment and illness
I&O-46	<b>15:35-15:50</b> 15 min	En-bo SHANGGUAN, Jing LI, Linjin MA and <b>Quanmin LI</b> (Prof., Henan Normal University, China)	The effecting mechanism of acidity on the degree of oxidation reaction for the epinephrine at the pre-anodized carbon paste electrode
I&O-171	<b>15:50-16:05</b> 15 min	<b>Shen YE</b> , Qiao YU and Can LIU (Assoc. Prof., Hokkaido University, Japan)	<i>In Situ</i> Study of Oxygen Reduction in Nonaqueous Solutions
I&O-48	<b>16:05-16:20</b> 15 min	<b>Xiaoqing ZHANG</b> , Mingsong ZHU, and Min DING* (Assoc. Prof., Chongqing Medical University, China)	Indirect determination of total bile acids in human serum by electrochemical detection

**Chairpersons: Yuko UENO & Chuan ZHAO**

I&O-49	<b>16:20-16:35</b> 15 min	Fei YAN, Yayun HE, Wenjing ZHENG, Lina YAO, and <b>Bin SU</b> (Prof., Zhejiang University, China)	Highly Ordered Binary Assembly of Silica Mesochannels and Surfactant Micelles for Extraction and Electrochemical Analysis of Trace Nitroaromatic Compounds
I&O-50	<b>16:35-16:50</b> 15 min	<b>Sana SABAHAT</b> , Naveed Kausar JANJUA, and Zareen AKHTER (Assoc. Prof., Quaid-i-Azam University, Pakistan)	Electrochemical Investigation of Functionalized Gold Nanoparticles onto Electrode Surface
I&O-51	<b>16:50-17:05</b> 15 min	<b>Xiliang LUO</b> , and Ge SHENG (Prof., Qingdao University of Science & Technology)	Electrochemical Preparation and Sensing Application of Ionic Liquid Doped Conducting Polymer PEDOT Composites
I&O-52	<b>17:05-17:20</b> 15 min	<b>Jingquan LIU</b> , Yuanhong XU, Jianmei WANG, and Huihui ZHU (Prof. Qingdao University, China)	Preparation, Commercialization and Application in Sensing of Graphene Nanomaterials

## BANQUET IN REDBUDS HOTEL

**Saturday 15 August 2015 (Plenary Lectures) Complex Building of CIAC (Room 7039)**

**Chairpersons: Shaojun DONG & Andrew ELLINGTON**

PL-8	<b>8:00-8:25</b> 25 min	<b>Zhongfan LIU</b> (Prof., Peking University, China)	Controlling Growth of Nanocarbons: From Graphene to Graphdiyne
PL-9	<b>8:25-8:50</b> 25 min	<b>Itamar WILLNER</b> (Prof., The Hebrew University of Jerusalem, Israel)	Controlling Functions and Properties of Interfaces by Electrochemically Active Electrodes
PL-10	<b>8:50-9:15</b> 25 min	<b>Nongjian TAO</b> (Prof., Arizona State University, USA)	Label-free optical detection and imaging of biological molecules and phenomena
PL-11	<b>9:15-9:40</b> 25 min	<b>Yukui ZHANG</b> (Prof., Dalian Institute of Chemical Physics, CAS, China)	Novel Methods For Qualitative And Quantitative Proteome Analysis

**COFFEE BREAK (9:40-9:55)**

**Chairpersons: Xiurong YANG & Christian AMATORE**

PL-12	<b>9:55-10:20</b> 25 min	<b>Zhifang CHAI</b> (Prof., Soochow University, China)	Analytical challenge towards metallomics and metalloproteomics
PL-13	<b>10:20-10:45</b> 25 min	<b>Hasuck KIM</b> , Yang-Rae KIM, and Donghoon HAN (Prof., a. Seoul National University, b. DGIST, Korea)	Chemical Sensing based on Selective Molecular Recognition
PL-14	<b>10:45-11:10</b> 25 min	Moinul CHOUDHURY, Simone CIAMPI, Stephen G. PARKER, Ying YANG, Roya TAVALLAIE, Leila ZAREI, Vinicius GONCALES, and <b>J. Justin GOODING</b> (Prof., UNSW, Australia)	Light Activated Electrochemistry: A strategy for performing voltammetry on a monolithic surface where you want, when you want with micron scale spatial resolution
PL-15	<b>11:10-11:35</b> 25 min	<b>Yuliang ZHAO</b> (Prof., National Center for Nanoscience and Technology, China)	Analyses of biological interactions of nanoparticles in vivo & in vitro

## LUNCH IN DINNING HALL OF COMPLEX BUILDING

**Saturday 15 August 2015 (Keynote, Invited & Oral Lectures: Session A) Complex Building of CIAC (Room 7039)**

**Chairpersons: Ja-an Annie HO & Ronghua YANG**

K-5	<b>13:30-13:50</b> 20 min	<b>Alexander EYCHMÜLLER</b> (Prof., TU Dresden, Germany)	Metal Aerogels and their Applications
I&O-53	<b>13:50-14:05</b> 15 min	<b>Huangxian JU</b> (Prof., Nanjing University, China)	Electrochemical Biosensing of DNA and Proteins
I&O-54	<b>14:05-14:20</b> 15 min	<b>Chanchal K MITRA</b> (Prof., University of Hyderabad, India)	The Future of Biosensors
I&O-55	<b>14:20-14:35</b> 15 min	Yue HUANG, Luming WEI, Weiwei Li, Qiongquan FAN, Dan Wu, Shiyu Gu, Yuanyuan ZHANG, and <b>Genxi LI</b> (Prof., Nanjing University, China)	A Signal Amplification Strategy for Ultrasensitive and Feasibly Achieved Protein Detection
I&O-56	<b>14:35-14:50</b> 15 min	Senwu LI, Kaiguang YANG, Yuanbo CHEN, <b>Lihua ZHANG</b> , and Yukui ZHANG (Prof., Dalian Institute of Chemical Physics, CAS, China)	Specific Recognition Of Target Proteins By Artificial Antibodies
I&O-57	<b>14:50-15:05</b> 15 min	Jingjing WANG, Xiang GUO, Fang SHE, and <b>Hao TANG</b> (Prof., Hunan Normal University, China)	Highly sensitive label-free immunosensor based on organic electrochemical transistors

<b>COFFEE BREAK (15:05-15:20)</b>			
<b>Chairpersons: Chanchal K MITRA &amp; Chengzhi HUANG</b>			
I&O-58	<b>15:20-15:35</b> 15 min	Rupesh K. MISHRA, Akhtar HAYAT, Gaëlle CATANANTE, and <b>Jean-Louis MARTY</b> (Prof., Université De Perpignan Via Domitia, , France)	Innovative approaches for OTA biosensing in real samples using different electrochemical aptasensors
I&O-59	<b>15:35-15:50</b> 15 min	<b>Ronghua YANG</b> , Jing ZHENG, and Weihong TAN (Prof., Changsha University of Science and Technology, China)	SERS Amplification Assays of Nucleic Acids and Protein with Triplex-Molecular Switch
I&O-60	<b>15:50-16:05</b> 15 min	<b>Chaoyong YANG</b> (Prof., Xiamen University, China)	Evolving Nucleic Acid Aptamers for Bioanalysis and Biomedicine
I&O-61	<b>16:05-16:20</b> 15 min	<b>Wei JIANG</b> , Lei WANG, Jing ZHU, Desong ZHU, Yushu WU, Qingwang XUE, Jing MA, Bo FU, and Shuang DAI (Prof., Shandong University, China)	Functional DNA for target recognition and signal transduction
<b>Chairpersons: Jean-Louis MARTY &amp; Huangxian JU</b>			
I&O-62	<b>16:20-16:35</b> 15 min	<b>Ja-an Annie HO</b> , Yu-Hsuan LAI, Min-Chieh CHUANG, Chang-Chun LEE, and Chwan-Chuen KING (Prof., National Taiwan University, Taiwan)	Subtyping of Influenza A Viruses with Hairpin DNA as A Dual-input Gene Sensing Platform
I&O-124	<b>16:35-16:50</b> 15 min	<b>Lingyan FENG</b> , Zhaozi LYU, Andreas OFFENHÄUSSER, and Dirk MAYER (Institute of Molecular Bioelectronics, Germany)	Multi-Level Logic Gate Operation Based on Amplified Aptasensor Performance
I&O-64	<b>16:50-17:05</b> 15 min	<b>Yaoqun LI</b> , Shenglin CAI, Yubin ZHENG, Shuang ZHAO, and Lixiang ZHANG (Prof., Xiamen University, China)	Biomimetic Stimuli-response and Nanobiosensing based on Functionalized Glass Conical Nanopores
I&O-65	<b>17:05-17:20</b> 15 min	Ying WANG, Fujun YAO, and <b>Xiaofeng KANG</b> (Prof., Northwest University, China)	Tetramethylammonium as a DNA brake pad in nanopore

<b>Saturday 15 August 2015 (Keynote, Invited &amp; Oral Lectures: Session B) Complex Building of CIAC (Room 6040)</b>			
<b>Chairpersons: Chun-Hsien CHEN &amp; Daiwen PANG</b>			
K-6	<b>13:30-13:50</b> 20 min	<b>Ari IVASKA</b> (Prof., Åbo Akademi University, Finland)	Electro-catalytic oxidation of cellulose and hemicelluloses at Au electrode
I&O-66	<b>13:50-14:05</b> 15 min	<b>Frantisek HARTL</b> (Prof., University of Reading United Kingdom, UK)	Spectroelectrochemistry in Reading (UK) Serving the Electroanalytical Community
I&O-67	<b>14:05-14:20</b> 15 min	Gaochao FAN, Jianrong ZHANG, and <b>Junjie ZHU</b> (Prof., Nanjing University, China)	Application of photoelectrochemical technique in DNA biosensors
I&O-68	<b>14:20-14:35</b> 15 min	<b>Yuko UENO</b> , and Kazuaki FURUKAWA (Prof., NTT Basic Research Laboratories, Japan)	On-chip Graphene FRET Biosensor for Protein Detection
I&O-69	<b>14:35-14:50</b> 15 min	<b>Zhonghai ZHANG</b> (Prof., East China Normal University, China)	Photoelectrochemical biosensor based on photonic crystal materials
I&O-166	<b>14:50-15:05</b> 15 min	Ting HOU, Lianfang ZHANG, and <b>Feng LI</b> (Prof., Qingdao Agricultural University, China)	Biphasic photoelectrochemical sensing strategy based on in situ formation of CdS quantum dots for highly sensitive acetylcholinesterase activity and inhibition assay

**COFFEE BREAK (15:05-15:20)**

**Saturday 15 August 2015 (Invited & Oral Lectures: Youth Forum) Complex Building of CIAC (Room 6040)**

**Chairpersons: Yanyi HUANG & Zhou NIE**

I&O-71	<b>15:20-15:35</b> 15 min	<b>Yanyi HUANG</b> (Prof., Peking University, China)	Seeing Chemistry in Live Cells through Stimulated Raman Scattering Microscopy
I&O-72	<b>15:35-15:50</b> 15 min	<b>Zhou NIE</b> , Yitao HAN, Siyu CHEN, Yufang Hu, and Shouzhuo YAO (Prof., Hunan University, China)	Novel methods for antibody-free detection of histone acetyltransferase
I&O-73	<b>15:50-16:05</b> 15 min	<b>Yongdong JIN</b> , Haili HE, Xiaolong XU, and Lizhen CHEN (Prof., Changchun Institute of Applied Chemistry, CAS, China)	Preparation and Characterization of Single Glass Capillary-Based Nanopores for Sensing Applications
I&O-74	<b>16:05-16:20</b> 15 min	<b>Wei XU</b> , Muyi HE, Yu CHEN, and Lu MAO (Prof., Beijing Institute of Technology, China)	Ion Collision Cross Section Measurements in Ion Trap Mass Analyzers

**Chairpersons: Wei SHEN & Sana SABAHAT**

I&O-139	<b>16:20-16:35</b> 15 min	<b>Weilin XU</b> (Prof., Changchun Institute of Applied Chemistry, CAS, China)	High Performance non-platinum Oxygen Reduction Electrocatalysts based on Cheap Carbon Blacks
I&O-76	<b>16:35-16:50</b> 15 min	Jinchao Dong, Chaoyu Li, Xi Jin, Duhong Chen, Yuejiao Zhang, and <b>Jianfeng Li</b> (Prof., Xiamen University, China)	Can SERS in-situ monitor catalytic reaction processes at single-crystal surface?
I&O-77	<b>16:50-17:05</b> 15 min	<b>Xiue JIANG</b> , Lie WU, and Tiantian WANG (Prof. Changchun Institute of Applied Chemistry, CAS, China)	Study the Interaction between Graphene Derivatives and Lipid Membrane by Surface-Enhanced Infrared Absorption (SEIRA) Spectroscopy
I&O-78	<b>17:05-17:20</b> 15 min	Cheng ZHANG, Yuye ZHANG, Jianhai WANG, Zhixin ZHOU, Fei HE, and <b>Yuanjian ZHANG</b> (Prof., Southeast University, China)	Structural Manipulation of Carbon-Rich Materials towards Electroanalysis

**Saturday 15 August 2015 (Keynote, Invited & Oral Lectures: Session C) Complex Building of CIAC (Room 5040)**

**Chairpersons: A. OFFENHÄUSSER & Jingjuan XU**

K-7	<b>13:30-13:50</b> 20 min	<b>Osamu NIWA</b> , Dai KATO, Tomoyuki KAMATA, Shigeru UMEMURA, Eisuke KURAYA, and Masashi KUNITAKE (Prof., National Institute of Advanced Industrial Science and Technology, China)	Surface Terminated Carbon Film Electrodes for Electroanalytical Applications
I&O-79	<b>13:50-14:05</b> 15 min	<b>Xuemei WANG</b> , Yuanyuan ZHANG, Yun CHEN, Qiwei LI, Hui JIANG, and Changyu WU (Prof., Southeast University, China)	Highly Sensitive Detection and Bio-imaging of Cancers based on New Electrochemical Probes and Multifunctional Nano-Interface
I&O-80	<b>14:05-14:20</b> 15 min	<b>Lucio COLOMBI CIACCHI</b> (Prof., University of Bremen, Germany)	Atomistic Studies of Biomolecular Adsorption on Inorganic Materials Surfaces: Simulations and Experiments
I&O-81	<b>14:20-14:35</b> 15 min	<b>Dongping ZHAN</b> , Jie ZHANG, Jingchun JIA, Lianhuan HAN, Junhui LAI, Pei HUANG, Di HUANG Zhongqun TIAN, and Zhaowu TIAN (Prof., Xiamen University, China)	Kinetic Investigations on Complex Charge transfer Reactions by Scanning Electrochemical Microscopy (SECM)

I&O-82	14:35-14:50 15 min	<b>Gang WEI</b> , Qing LI, Jingfeng LI, and Lucio COLOMBI CIACCHI (University of Bremen, Germany)	AFM-based single-molecule force spectroscopy for label-free biosensing
I&O-83	14:50-15:05 15 min	<b>Jilin TANG</b> , Nan WANG, and Huiqing LIU (Prof., Changchun Institute of Applied Chemistry, CAS, China)	Investigating Cancer marker with Atomic Force Microscopy
<b>COFFEE BREAK (15:05-15:20)</b>			
<b>Chairpersons: Wenlong CHENG &amp; Yang TIAN</b>			
I&O-150	15:20-15:35 15 min	Miaosi LI, Junfei TIAN, Mohammad AL-TAMIMI, Lizi LI, and <b>Wei SHEN</b> (Prof., Monash University, Australia)	Text-Reporting Paper Blood Typing Assay
I&O-85	15:35-15:50 15 min	<b>Jingdong ZHANG</b> (Assoc. Prof., Technical University of Denmark, Denmark)	Investigation of Gold / Liquid Interfaces at the Nanometer Scale
I&O-86	15:50-16:05 15 min	<b>Youlin ZHANG</b> , Xianggui KONG, Huiying ZHAO and Hong ZHANG (Prof, Changchun Institute of Optics,, CAS, China)	A SERS Tag-based Fiber-optic Strategy for in situ Immunoassay in Unprocessed Whole Blood
I&O-87	16:05-16:20 15 min	<b>Xueyuan ZHANG</b> (Gamry Instruments, USA)	Development of in-situ TEM-electrochemistry techniques in the study of film formation and conversion
<b>Chairpersons: Lucio COLOMBI CIACCHI &amp; Xuemei WANG</b>			
I&O-88	16:20-16:35 15 min	<b>Zhifeng DING</b> , Faser P. FILICE, Michelle S. M. LI, and Jeffrey D. HENDERSON (Prof., The University of Western Ontario London, Canada)	Mapping Cd-induced Membrane Permeability Changes of Single Live Cells by Means of Scanning Electrochemical Microscopy
I&O-89	16:35-16:50 15 min	<b>Yang TIAN</b> (Prof., East China Normal University, China)	Bioimaging and Biosensing of Reactive Oxygen Species and Related Biological Species
I&O-90	16:50-17:05 15 min	<b>Jian LIU</b> , Qi ZHANG, and Kunyang LI (Prof., Soochow University, China)	Amphiphilic reduced graphene oxide with an enhanced charge injection capacity for electrical stimulation of neural cells
I&O-91	17:05-17:20 15 min	<b>Konstantin CHINGIN</b> , Hua ZHANG, Jiang WANG, and Huanwen CHEN (East China Institute of Technology, China)	Preserving Chemical Equilibrium during Ionization: Old Problems and New Solutions

<b>Saturday 15 August 2015 (Keynote, Invited &amp; Oral Lectures: Session D) Complex Building of CIAC (Room 4039)</b>			
<b>Chairpersons: Zhifeng DING &amp; Munetaka OYAMA</b>			
K-8	13:30-13:50 15 min	<b>Mark. M. RICHTER</b> , Maria WITT, Sarah ROUGHTON, and Timothy ISAKSON (Prof., Missouri State University, USA)	Enhancing Coreactant Electrogenerated Chemiluminescence Using Melatonin
I&O-92	13:50-14:05 15 min	<b>Jingjuan XU</b> (Prof., Nanjing University, China)	Electrochemiluminescence Ratiometry for Bioanalysis
I&O-93	14:05-14:20 15 min	<b>Yuriy ZHOLUDOV</b> , and Mykola ROZHYTSKII (Assoc. Prof., Kharkiv National University of Radio Electronics, Ukraine)	Direct Electrochemiluminescent Detection of Tetraphenylboron Anion – an Example of Self Coreactant ECL Reaction
I&O-94	14:20-14:35 15 min	Miao YANG, and <b>Haiyan WANG</b> (Prof., Anhui Normal University, China)	Mercaptoethylamine functionalized CdTe quantum dots for electrochemiluminescent detection of 2,4,6-trinitrotoluene

I&O-95	14:35-14:50 15 min	<b>Yuanhong XU</b> , Jingquan LIU, and Erkang WANG (Prof., Qingdao University, China)	Development of Solid-state Electrochemiluminescence Sensors on Paper-based Chips Assisted by Graphene Nanomaterials
I&O-168	14:50-15:05 15 min	<b>Yuling WANG</b> , and Matt TRAU* (The University of Queensland, Australia)	An innovative platform for rapid and multiplexed cancer biomarker detection with surface-enhanced Raman scattering nanotags
<b>COFFEE BREAK (15:05-15:20)</b>			
<b>Chairpersons: Jianping XIE &amp; Jicun REN</b>			
I&O-97	15:20-15:35 15 min	<b>Qingji XIE</b> , Lijuan BU, Tiesan GU, Yixuan MA, Chao CHEN, Yueming TAN, and Shouzhao YAO (Prof., Hunan Normal University, China)	Enhanced Cathodic Preconcentration of As(0) at Au and Pt Electrodes for Anodic Stripping Voltammetry Analysis of As(III) and As(V)
I&O-98	15:35-15:50 15 min	Fei WANG, Huan QI, Qiaolin LANG, Lei HAN, and <b>Aihua LIU</b> (Prof., Qingdao Institute of Bioenergy & Bioprocess Technology, CAS, China)	Specific Probe Selection from Landscape Phage Display Library for Bioanalytical Applications
I&O-99	15:50-16:05 15 min	<b>Yongchun ZHU</b> , Hong TIAN, Nan XIAO, Jianqiao LANG, and Hongbo ZHANG (Prof., Shenyang Normal University, China)	Potentiometric sulfite biosensor based on quorum sensing principle of Photosynthetic bacteria modified on copper electrode surface
I&O-100	16:05-16:20 15 min	<b>Jiawang DING</b> , and Wei QIN (Assoc. Prof., Yantai Institute of Coastal Zone Research, CAS, China)	Potentiometric Aptasensing of Pollutants Using Polymeric Membrane Ion-Selective Electrodes
<b>Chairpersons: Jiří BAREK &amp; Jingyuan CHEN</b>			
I&O-174	16:20-16:35 15 min	Bikila Nagasa Olana, <b>Shimeles Addisu Kite</b> , and Tesfaye Refera Soreta* (Changchun Institute of Applied Chemistry, CAS, China)	Study on fabrication of randomly nano arrayed electrodes and their applications in electroanalysis
I&O-102	16:35-16:50 15 min	Qian LIU, and <b>Yunhua WU</b> (Prof., South-central University of Nationalities, China)	Direct Electrochemical Determination of Methyl Jasmonate in Rice Floret at a Iron-porphyrin Film Modified Glassy Carbon Electrode by Square Wave Voltammetry
I&O-175	16:50-17:05 15 min	<b>Jianrui SUN</b> , and Haibo LIN (ChangChun University Of Technology, China)	Preparation, Properties and Application to Wastewater Treatment of Ti/BDD Electrodes
I&O-104	17:05-17:20 15 min	<b>Zhugen YANG</b> , B. KASPRZYK-HORDERN, M. ANGLES D'AURIACC, S. GOGGINS, E. CASTRIGNAO, K.V. THOMAS, C.G. FROSTa, and P. ESTRELA (University of Bath, UK)	Electrochemical Community Sensors for Monitoring of Public Health at the Population Level Using Wastewater-Based Epidemiology

**SUPPER IN DINNING HALL OF COMPLEX BUILDING**

<b>Sunday 16 August 2015 (Plenary Lectures) Complex Building of CIAC (Room 7039)</b>			
<b>Chairpersons: Hongyuan CHEN &amp; Hasuck KIM</b>			
PL-16	8:00-8:25 25 min	<b>Serge COSNIER</b> (Prof., CNR & Grenoble Alpes University, France)	Design of supramolecular biological assemblies for electrochemical applications
PL-17	8:25-8:50 25 min	<b>Shaowei CHEN</b> , Wenhan Niu, Xiaojun Liu, Nan Wang, Ji Liu, Ligui Li, Weijia Zhou, and Zhenghua Tang (Prof., The University Of California, Santa Cruz, USA)	Functional Nanomaterials Based on Structural Engineering for Effective electrocatalytic Reduction of Oxygen



PL-18	8:50-9:15 25 min	<b>Gerd Ulrich NIENHAUS</b> (Prof., Karlsruhe Institute of Technology, Germany)	Quantitative Fluorescence Microscopy of Nanoparticles Interacting with Proteins and Cells
PL-19	9:15-9:40 25 min	<b>Takashi KAKIUCHI</b> (Prof., Konan University, Japan)	Why is pH so complicated? pH, single ion activity, liquid junction, and the nature of electrochemistry
PL-20	9:40-10:05 25 min	<b>Xiurong YANG</b> (Prof., Changchun Institute of Applied Chemistry, CAS, China)	Study of Carbon Nanomaterial Based on Biotic Substances

**COFFEE BREAK (10:05-10:20)**

**Sunday 16 August 2015 (Invited & Oral Lectures: Session A) Complex Building of CIAC (Room 7039)**

**Chairpersons: Franti HARTL & Genxi LI**

I&O-105	10:20-10:35 15 min	<b>Yutaka MATSUO</b> (Prof., The University of Tokyo, Japan)	Lithium-Ion-Endohedral Fullerene: [Li <sup>+</sup> @C <sub>60</sub> ] and Its Modification and Reactivity
I&O-106	10:35-10:50 15 min	<b>Zhiyong TANG</b> (Prof., National Center for Nanoscience and Technology, China)	Inorganic Nanoparticle-Metal Organic Framework Core-Shell Nanostructures: A Novel Multifunctional Platform
I&O-107	10:50-11:05 15 min	<b>Chuan ZHAO</b> (Assoc. Prof., The University of New South Wales, Sydney, Australia)	Three Dimensional Precious Metal Free Electrocatalysts for Water Splitting
I&O-108	11:05-11:20 15 min	<b>Mingkui WANG</b> , Xiaobao XU, Kun CAO, and Jin CUI (Prof., Huazhong Unveristy Of Science and Technology, China)	Investigation of Perovskite Solar Cells with Electronic Impedance Spectroscopy
I&O-109	11:20-11:35 15 min	Wenxiu YANG, and <b>Jianbo JIA</b> (Prof., Changchun institute of Applied Chemistry, CAS, China)	The Applications of the Doped Carbon Nanocomposites in Oxygen Reduction Reaction

**Sunday 16 August 2015 (Invited & Oral Lectures: Session B) Complex Building of CIAC (Room 6040)**

**Chairpersons: Xueyun GAO & Chih-Ching HUANG**

I&O-110	10:20-10:35 15 min	<b>Dongil LEE</b> (Prof., Yonsei University, Korea)	Electrochemical Sensing Using Redox-Active Gold Nanoclusters
I&O-10	10:35-10:50 15 min	Shu Jun ZHEN, and <b>Chengzhi HUANG</b> (Prof., Southwest University, China)	Preparation of Carbon Dots with High Photoluminescent Quantum Yields and Their Applications in Biochemical Analysis
I&O-112	10:50-11:05 15 min	<b>Jianping XIE</b> (Prof., National University of Singapore, Singapore)	Engineering Ultrasmall Metal Nanoclusters for Biomedical and Environmental Applications
I&O-113	11:05-11:20 15 min	Tzu-Yun HUANG, Yen-Jui CHEN, Chi-Yung LAI, and <b>Yang-Wei LIN</b> (Assoc. Prof., National Changhua University of Education, Taiwan)	Synthesis, Characterization, Enhanced Sunlight Photocatalytic Properties, and Stability of Ag/Ag <sub>3</sub> PO <sub>4</sub> Nanoparticle-Sensitized BiPO <sub>4</sub>
I&O-169	11:20-11:35 15 min	<b>Saadat MAJEED</b> , Dan LI, Wenyue GAO, Jianping LAI, Liming QI, Erkang WANG, and Guobao XU* (Changchun Institute of Applied Chemistry, CAS, China)	Aqueous synthesis of tunable highly photoluminescent CdTe quantum dots using ronalite

**Sunday 16 August 2015 (Invited & Oral Lectures: Session C) Complex Building of CIAC (Room 5040)**

**Chairpersons: Toshihiko IMATO & Gang WEI**

I&O-115	10:20-10:35 15 min	Ruo YUAN (Prof., Southwest University, China)	Signal Amplification Strategy for High Sensitive Electrochemical Biosensor
I&O-116	10:35-10:50 15 min	Songqin LIU and Yuewu ZHAO (Prof., Southeast University, China)	Synthesis and Application of Porphyrin-Modified Graphene Material in Analytical Chemistry
I&O-117	10:50-11:05 15 min	Di LI (Prof., Shanghai Institute of Applied Physic, China)	DNA-Directed Assembly of Gold Nanohalo for Quantitative Plasmonic Imaging of Single-Particle Catalysis
I&O-118	11:05-11:20 15 min	Zhuling MIAO, Shirong HAO, Qin XU, and Xiaoya HU* (Prof., Yangzhou University, China)	Development of a glucose biosensor based on electrodeposited gold nanoparticles/polyvinylpyrrolidone/polyaniline nanocomposites
I&O-119	11:20-11:35 15 min	Hongqi XIA, Yuki KITAZUMI, Osamu SHIRAI, and Kenji KANO (Prof., Kyoto University, Japan)	Enhanced direct electron transfer-type bioelectrocatalysis of bilirubin oxidase on negatively charged aromatic compound-modified surface

**Sunday 16 August 2015 (Invited & Oral Lectures: Session D) Complex Building of CIAC (Room 4039)**

**Chairpersons: Zbigniew STOJEK & Qingji XIE**

I&O-176	10:20-10:35 15 min	Anaclet NSABIMANA, Xiangjie BO, Yufan ZHANG, Mian LI, Ce HAN, and Liping GUO (Northeast Normal University, China)	Electrochemical properties of boron-doped ordered mesoporous carbon as electrocatalyst and Pt catalyst support
I&O-121	10:35-10:50 15 min	Yaxian HUANG, Huaimin GUAN, and Yuejin TONG (Prof., Fujian Normal University, China)	Study on Molecularly Imprinted Hybrid-Based Amperometric Sensor for the Determination of 4, 4'-Dibromodiphenyl ether
I&O-167	10:50-11:05 15 min	Haiyin LI, Jiafu CHANG, and Feng LI* (Assoc. Prof., Qingdao Agricultural University, China)	Tetraphenylethene fluorescent organic nanoparticles with ultra-low CMC for cell imaging based on molecular self-assembly
I&O-123	11:05-11:20 15 min	Hongwu WANG, Yanqing LIU, Shoulian WEI, and Su YAO (Prof., Zhaoqing University, China)	Selective and sensitive molecularly imprinted electrochemical sensor for the determination of dicyandiamide in infant formula
I&O-103	11:20-11:35 15 min	Muhammad Rehan Hasan Shah GILANI, Jainming ZHAO, Aziz ur REHMANA, and Guobao XU* (The Islamia University of Bahawalpur, Pakistan)	Electrochemical Sensing of Nitrite via aminophenol-formaldehyde polymer/phosphomolybdic acid nanocomposite materials

**LUNCH IN DINNING HALL OF COMPLEX BUILDING**

**Sunday 16 August 2015 (Invited & Oral Lectures: Session A) Complex Building of CIAC (Room 7039)**

**Chairpersons: Dongil LEE & Ruo YUAN**

I&O-125	13:30-13:45 15 min	Xinghua XIA, Jiong WANG, Yi SHI, and Chen WANG (Prof., Nanjing University, China)	Bio-inspired electrocatalysts for oxygen reduction
I&O-126	13:45-14:00 15 min	Liping Wen, and Lei Jiang (Prof., Technical Institute of Physics and Chemistry, CAS, China)	Construction of biomimetic asymmetric membranes and application of them in the field of energy and environment
I&O-127	14:00-14:15 15 min	Munetaka OYAMA, and Takahiro UEMOTO (Assoc. Prof., Kyoto University, Japan)	Possibility of Metal Nanoparticle-Modified Nickel Electrodes



I&O-128	14:15-14:30 15 min	Hangfeng Liang, and <b>Zhoucheng Wang</b> (Prof., Xiamen University, China)	Hydrothermal synthesis and electrochemical properties of MnFe <sub>2</sub> O <sub>4</sub> nanoplates
I&O-129	14:30-14:45 15 min	Wenxin ZHU, Xiaoyue YUE, and <b>Jianlong WANG</b> (Prof., Northwest A&F University, China)	Controllable Electrochemically Induced Co-reduced GO-C60 Nanoassembly as an Efficient Nanocatalyst for Rapid and Sensitive Electrochemical Detection of Bisphenol S
<b>Chairpersons: Yutaka MATSUO &amp; Xiaoquan LU</b>			
I&O-130	14:45-15:00 15 min	<b>Shuangyin WANG</b> (Prof., Hunan University, China)	Oxygen Reduction Reaction on Graphite: the Edge Is More Active Than the Basal Plane
I&O-131	15:00-15:15 15 min	<b>Lifeng YAN</b> , Xiayu FENG, and Wufeng CHEN (Prof., Univ Sci Techno, I China)	Electrochemical Preparation of Non-Stacked Reduced Graphene Oxide Hydrogel Film with a Continuous Ion Transport Network for Supercapacitors
I&O-132	15:15-15:30 15 min	<b>Yan SHEN</b> , Shaohui LI, Dekang HUANG, and Mingkui WANG (Prof., Huazhong University of Science and Technology, China)	Supercapacitors Based on Bacterial Cellulose
I&O-172	15:30-15:45 15 min	<b>Deyin WU</b> , Meng ZHANG, Bin REN and Zhongqun TIAN (Prof., Xiamen University, China)	Theoretical Analysis of Electrochemical SERS for p-Aminothiophenol Adsorbed on Silver Electrodes
I&O-134	15:45-16:00 15 min	<b>Quintero Pulido D.F.</b> , Ten Kortenaar V., and Smith G. (University of Twente, Netherlands)	Electrochemical Behaviour of Halogens Redox Couples at Carbon Graphite Electrode in Aqueous Solutions

**Sunday 16 August 2015 (Invited & Oral Lectures: Youth Forum) Complex Building of CIAC (Room 6040)**

**Chairpersons: Fan XIA & Zongxiu NIE**

I&O-135	13:30-13:45 15 min	Benmei WEI, and <b>Fan XIA</b> (Prof., Huazhong University of Science and Technology, China)	Regulation of DNA Self-Assembly and DNA Hybridization by Chiral Molecules with Corresponding Biosensor Applications
I&O-136	13:45-14:00 15 min	<b>Zongxiu NIE</b> , Suming CHEN, and Caiqiao XIONG (Prof., Institute of Chemistry, CAS, China)	Mass spectrometry and imaging of particles
I&O-137	14:00-14:15 15 min	<b>Hui WEI</b> (Prof., Nanjing University, China)	A Ratiometric Sensor for Monitoring Cerebral Species
I&O-138	14:15-14:30 15 min	<b>Wei WANG</b> (Prof., Nanjing University, China)	Studying electrochemical processes of single nanoparticles with optical microscopy

**Chairpersons: Xinghua XIA & Yuriy ZHOLUDOV**

I&O-75	14:30-14:45 15 min	<b>Wei CHEN</b> , Lei LI, Jian JU, Minmin LIU, Shuijian HE, and Ruizhong ZHANG (Prof., Changchun Institute of Applied Chemistry, CAS, China)	Carbon-Based Nanocomposites for Electroanalysis and Gas Sensing
I&O-140	14:45-15:00 15 min	<b>Tie WANG</b> (Prof., Institute of Chemistry, CAS, China)	Ordered Structure of Nanoparticle Assemblies
I&O-141	15:00-15:15 15 min	<b>Zhangquan PENG</b> (Prof., Changchun Institute of Applied Chemistry, China)	Direct Detection of Superoxide Anion as a Stable Intermediate in The Electro-reduction of Oxygen in a Non-aqueous Electrolyte Containing Phenol as a Proton Source
I&O-142	15:15-15:30 15 min	<b>Liang WANG</b> , Kamel EID, Litai SUN, Changting WEI, Qingqing LU, and Liang HUANG (Prof. Changchun Institute of Applied Chemistry, CAS, China)	Trimetallic PtPdRu Nanodendritic Electrocatalysts
I&O-143	15:30-15:45 15 min	<b>Xiaoqing LIU</b> , and Itamar WILLNER (Prof., Wuhan University, China)	Nucleic Acid Modified Semiconductor Quantum Dots: From Sensing to Device

**Sunday 16 August 2015 (Invited & Oral Lectures: Session C) Complex Building of CIAC (Room 5040)**

**Chairpersons: Qun FANG & Chaoyong YANG**

I&O-144	13:30-13:45 15 min	<b>Toshihiko IMATO</b> (Prof., Kyushu University, Japan)	Electrochemical and optical analysis on compact disk-type microchip
I&O-145	13:45-14:00 15 min	<b>Jinming LIN</b> , Linglu YI, Xueqin XU, Xuexia LIN, Haifang LI, and Yuan MA (Prof., Tsinghua University, China)	Development a microchip electrophoresis system for human papillomavirus identification of cervical cancer screening and prognosis
I&O-146	14:00-14:15 15 min	Hassan A. ALHAZMI, Markus NACHBAR, Mona Mozafari TOSHIZI, Sabine REDWEIK, <b>Sami EI DEEB</b> , and Hermann WÄTZIG (Assoc. Prof., Technical University Braunschweig, Germany)	Protein-metal Ions Interaction Screening Using Affinity Capillary Electrophoresis
I&O-147	14:15-14:30 15 min	<b>Danke XU</b> (Prof., Nanjing University, China)	Multiplex protein assay for biochips based on nanoprobe
I&O-148	14:30-14:45 15 min	<b>Li WANG</b> (Prof., Jiangxi Normal University, China)	Investigations of Novel Glucose Biosensors based on Nanomaterials
<b>Chairpersons: Jinming LIN &amp; Lihua ZHANG</b>			
I&O-149	14:45-15:00 15 min	<b>Qun FANG</b> , Qi LI, Jianzhang PAN, Xiaoxia FANG, and Pan FANG (Prof., Zhejiang University, China)	High-Speed Capillary Electrophoresis Based on Picoliter-Scale Injection with Short Capillaries
I&O-165	15:00-15:15 15 min	Lina ZHAO, and <b>Xueyun GAO</b> (Prof., Institute of High Energy Physics, CAS, China)	Targeted detection and quantitative count of integrin in single cells by experimental and theoretical studies
I&O-151	15:15-15:30 15 min	Teng MA, Zheng LI, Qian NIU, Yuanyuan LI, and <b>Weihong ZHOU</b> (Prof., Jilin University, China)	Double dispersant-assisted ionic liquid dispersive liquid-liquid microextraction coupled with capillary electrophoresis for the determination of benzophenone-type ultraviolet (UV) filters in sunscreen cosmetic product
I&O-152	15:30-15:45 15 min	<b>Leyong ZENG</b> , and Aiguo WU (Assoc. Prof., Ningbo Institute of Materials Technology and Engineering, CAS, China)	NIR-triggered TiO <sub>2</sub> -based nanocomposites for photodynamic therapy and enhanced chemotherapy in drug-resistant breast cancers
I&O-153	15:45-16:00 15 min	Xiaoquan LU, <b>Mahgoub Ibraim SHINGER</b> , Ahmed Mahmoud IDRIS, Dongdong Qin, Hind BABALLA, and Duoliang SHAN (Northwest Normal University, China)	Simulated Sunlight Induce the Photocatalytic Performance of Ag <sub>3</sub> PO <sub>4</sub> /AgX (X = Br and Cl)

**Sunday 16 August 2015 (Invited & Oral Lectures: Session D) Complex Building of CIAC (Room 4039)**

**Chairpersons: Yang-Wei LIN & Dmytro SNIZHKO**

I&O-154	13:30-13:45 15 min	<b>Weimin HUANG</b> , Endong XING, and Jun SHI (Prof., Jilin University, China)	Construction of a sensitive sensor for oxygen using nitrogen-doped Carbon Nanotubes-Fe <sub>3</sub> C Nanoparticles
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I&O-155	<b>13:45-14:00</b> 15 min	Quanxing MAO, Wenjing WANG, Xin HAI, Yang SHU, <b>Xuwei CHEN</b> , and Jianhua WANG (Prof., Northeastern University, China)	Simultaneous preparation of hydrophobic/hydrophilic carbon nanoparticles from hydrophobic ionic liquid BmimPF <sub>6</sub>
I&O-156	<b>14:00-14:15</b> 15 min	Ling WU, Yan XUN, Chao-Zhi LV, Feng LIU, Jing-Lin HE, and <b>Zhong CAO</b> (Prof., Changsha University of Science and Technology, China)	Electrochemically Reduced GO/Polycation Protected Pt Nanostructure Used for Simultaneous Determination of Uric Acid and Ascorbic Acid
I&O-157	<b>14:15-14:30</b> 15 min	<b>Tigang DUAN</b> , Ye CHEN*, ing WEN* and Ying DUAN (Harbin Engineering University, China)	Selective Electrodeposition and Growth Process Analysis of Multilayered Ag-Sb-SnO <sub>2</sub> Electrode for Electrocatalytic Dye Decolorization
I&O-177	<b>14:30-14:45</b> 15 min	<b>Ping WANG</b> , Jie ZHANG, Haili HE, Xiaolong XU, and Yongdong JIN* (Changchun Institute of Applied Chemistry, CAS, China)	The important role of surface ligand on CdSe/CdS core/shell nanocrystals in affecting the efficiency of H <sub>2</sub> photogeneration from water
<b>Chairpersons: Songqin LIU &amp; Sami EL DEEB</b>			
I&O-159	<b>14:45-15:00</b> 15 min	<b>Yaqing LIU</b> , Daoqing FAN, Changtong WU, Chunyang ZHOU, Kun WANG, Xiaoqing ZHU, and Erkang WANG (Prof., Changchun Institute of Applied Chemistry, CAS, China)	A resettable and reprogrammable electrochemical security system to identify multiple users with hierarchy
I&O-170	<b>15:00-15:15</b> 15 min	<b>Muhammad SAQIB</b> , Jianping LAI, Jianming ZHAO, Suping LI, and Guobao XU* (Changchun Institute of Applied Chemistry, CAS, China)	Bipolar electrochemical approach with thin layer of supporting electrolyte towards growth of self-organizing TiO <sub>2</sub> nanotubes
I&O-161	<b>15:15-15:30</b> 15 min	<b>Rui REN</b> , You ZHANG, and Shusheng ZHANG* (Prof., Linyi University, China)	Study of a DNA Machine using Cyclic Voltammetry and Fluorescence Microscopy
I&O-162	<b>15:30-15:45</b> 15 min	<b>Cheng YANG</b> , Nicolas SPINELLI, Sandrine PERRIER, Eric DEFRANCQ, and Eric PEYRIN* (Assoc. Prof., Dalian University of Technology, China)	Macrocyclic host-dye reporter for sensitive sandwich-type fluorescent aptamer sensor
I&O-163	<b>15:45-16:00</b> 15 min	<b>Xiaomei CHEN</b> (Assoc. Prof., Jimei University, China)	Noble Metal Nanoparticles grown on Graphene Nanosheets with High Electrocatalytic Activity

**SUPPER IN Redbuds Hotel**

Friday 14 August 2015 Poster (13:30-16:30) Complex Building of CIAC (4th, 5th and 6th Lobby)		
P-1	<b>Amily Fang-ju JOU</b> , Chun-Hua LU, Yen-Chuan OU*, Shian-Shiang WANG, Shih-Lan HSU, Itamar WILLNER*, and Ja-An Annie HO* (National Taiwan University, Taiwan)	Development of optical genosensors for the detection of prostate cancer-associated microRNA
P-3	<b>Shuyun ZHU</b> , Xianen ZHAO, Jinmao YOU, Guobao XU*, and Hua WANG (Qufu Normal University, China)	Single-walled carbon nanohorns as peroxidase mimetics and their application to glucose detection
P-4	<b>Junji ZHANG</b> , He TIAN, and Yi-Tao LONG* (East China University of Science and Technology, China)	Single molecule analysis of light-regulated RNA-spiropyran interactions
P-5	Yun GUAN, <b>Chao CHEN</b> , Lanjunzi LIU, and Qingji XIE (Hunan Normal University, China)	In situ effective immobilization of tyrosinase via enzyme catalytic polymerization of dopamine for highly sensitive phenol sensing
P-7	<b>Anwei ZHU</b> , Meina LI, and Guoyue SHI* (East China Normal University, China)	Development of tungsten nanoneedle for selective and sensitive determination of intracellular hydroxyl radicals
P-8	<b>Yingchun FU</b> , Lingyan LI, Xiahong XU, Qingji XIE, Yanbin LI, and Shouzhuo YAO (Assoc. Prof., Zhejiang University, China)	Electrochemical conversion of magnetic nanoparticles for biosensing
P-9	Youbao XU, Qingchun LAN, Mimi LU, and <b>Zhanjun YANG</b> (Assoc. Prof., Yangzhou University, China)	One-step solvothermal preparation of Ag-ZnO hybrid nanorods and their biosensing applications
P-10	<b>Bingyan HAN</b> , and Libao JIANG (Assoc. Prof., Dalian University of Technology, China)	Label-free detection of thrombin based on silver nanoclusters with DNA-containing Ap site as the template
P-12	<b>Jingyi CHEN</b> , Li WANG, and Yonghai SONG* (Prof., Jiangxi Normal University, China)	A novel sensitive conductance glucose biosensor in ultra-low ionic strength solution triggered by the oxidation of Ag nanoparticles
P-13	Hongyun GAO, and <b>Tao YANG</b> (Hebei University, China)	EDTA-assisted desorption of DNA from mica surface studied by atomic force microscopy
P-14	<b>Kaikai TANG</b> , Bo ZHAO*, Yinghui FENG, Linxuan LI, Guanda WANG, Suyue WU, and Zhelin LIU (Changchun University of Science and Technology, China)	Hydrogen peroxide sensor based on carbon supported silver nanoparticles
P-15	<b>Suyue WU</b> , Bo ZHAO, Yinghui FENG, Kaikai TANG, Linxuan LI, Guanda WANG, and Zhelin LIU* (Changchun University of Science and Technology, China)	Synthesis of Fe <sub>3</sub> O <sub>4</sub> /Ag hybrid nanoparticles and its application for sensing hydrogen peroxide
P-16	<b>Yingzhen XIE</b> , Shouhui CHEN, Yonghai SONG, and Li WANG (Jiangxi Normal University, China)	Application of magnetic molecularly imprinted polymers for the detection of H <sub>2</sub> O <sub>2</sub>
P-17	<b>Yang LI</b> , Zhiqiang SU, and Gang WEI (Beijing University of Chemical Technology, China)	Electrospun PVA-RGO/AgNP nanofibrous membrane for biosensor

<b>P-19</b>	Liuqing YANG, Si ZHANG, Na HUANG, <b>Meiling LIU</b> , Haitao LI, Youyu ZHANG*, and Shouzhuo YAO (Hunan Normal University, China)	A quadruplet detection platform for ultrasensitive and simultaneous detection of dopamine, ascorbic acid, acetaminophen and uric acid based on a ferrocene derivative functional Au@C nanoparticles and graphene
<b>P-20</b>	<b>Guifang XU</b> , Shupeí ZHANG, Lingshan GONG, Yiling LI, Qingrong ZHANG, Huixiang YAN, and Hong DAI* (Fujian Normal University, China)	The biosensing application of TiO <sub>2</sub> mesocrystals with outstanding photoelectrochemical performance based on the multiplex amplification of CNHs and in situ generated CdS QDs
<b>P-21</b>	Jingbang CHEN, <b>Siqi ZHANG</b> , and Ting SUN* (Northeastern University, China)	Lab in a tube: a fast-assembled colorimetric sensor for highly sensitive detection of oligonucleotides based on hybridization chain reaction
<b>P-22</b>	<b>Linqun ZHANG</b> , Wei WEI, and Songqin LIU* (a Southeast University, b Nanjing Normal University, China)	Super-sensitive acetylcholinesterase biosensor based on graphene-chitosan for determination of organophosphorus pesticides
<b>P-23</b>	<b>Hongmei CAO</b> , and Jilie KONG* (Fudan University, China)	Protein-inorganic hybrid nanoflowers as ultrasensitive electrochemical cytosensing interfaces for evaluation of cell surface sialic acid
<b>P-24</b>	<b>Ruizhong ZHANG</b> , and Wei CHEN* (Changchun Institute of Applied Chemistry, CAS, China)	Three-dimensional Fe- and N-incorporated carbon structures as peroxidase mimics for fluorescence detection of hydrogen peroxide and glucose
<b>P-25</b>	<b>Weijun ZHOU</b> , Zhixue ZHOU, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	G-quadruplex aptamer/AuNR nanocomplexes for photothermal/photodynamic cancer therapy
<b>P-26</b>	<b>Wangdong Lu</b> , Yujing SUN, Pengjuan NI, Jingting HU, Haichao Dai, Shu JIANG, Yilin WANG, and Zhuang LI*(Changchun Institute of Applied Chemistry, CAS, China)	Cu <sub>2</sub> O nanopolyhedron as non-enzymatic glucose biosensors
<b>P-27</b>	<b>Kun WANG</b> , Yaqing LIU*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Colorimetric detection of cancer cells via dual-aptamer target binding strategy
<b>P-28</b>	<b>Chunyang ZHOU</b> , Kun WANG, Daoqing FAN, Changtong WU, Dali LIU, Yaqing LIU, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	An enzyme-free and DNA-based Feynman gate for logically reversible operation
<b>P-29</b>	<b>Daoqing FAN</b> , Xiaoqing ZHU, Yaqing LIU*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	DNA-based majority logic gate with one-vote veto function
<b>P-30</b>	<b>Changtong WU</b> , Yaqing LIU*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	A DNA-based enzyme-free 1:2 demultiplexer and 2:1 multiplexer
<b>P-31</b>	<b>Huiqing LIU</b> , and Jilin TANG*(Changchun Institute of Applied Chemistry, CAS, China)	Interaction between bacillus subtilis spore coat proteins cote and cotz investigated by AFM
<b>P-32</b>	<b>Nan WANG</b> , and Jilin TANG*(Changchun Institute of Applied Chemistry, CAS, China)	AFM study of the interaction between DNA aptamer and epithelial cell adhesion molecule at single-molecule level

<b>P-33</b>	<b>Jinbo ZHU</b> , Libing ZHANG, Shaojun DONG, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	How to split a G-quadruplex for DNA detection: new insight into the formation of DNA split G-quadruplex
<b>P-34</b>	<b>Ye TENG</b> , Xiaofang JIA, Jing LI*, and Erkang WANG*(Changchun Institute of Applied Chemistry, CAS, China)	Ratiometric fluorescence detection of tyrosinase activity and dopamine using thiolate-protected gold nanoclusters
<b>P-35</b>	<b>Qiao CAO</b> , Xuan YANG, Jin WANG*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Nucleic acid detection using confocal laser scanning microscope and fluorometer with high crystalline silver dendrites and silver nanoclusters
<b>P-36</b>	<b>Baoji DU</b> , Xiaoxiao GU, Dan LI*,Jin WANG*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Gold nanoparticles coated by liposome for efficient doxorubicin loading and delivery
<b>P-37</b>	<b>Mingjun CAI</b> , Lulu ZHOU, Haijiao XU, Junguang JIANG, and Hongda WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Analyzing cell membrane structure by atomic force microscopy
<b>P-38</b>	<b>Jing GAO</b> , Feng WANG, Min ZHANG, Junling CHEN. Mingjun CAI, Junguang JIANG, and Hongda WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Super-resolution imaging of STAT1 cellular localization during the cell cycle
<b>P-39</b>	<b>Junling CHEN</b> , Min ZHANG, Jing GAO, Mingjun CAI, Junguang JIANG, and Hongda WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Super-resolution microscopy systematically characterize the clustering organization of cell surface carbohydrates
<b>P-40</b>	<b>Lina MA</b> , Zhen LEI, Fuyao LIU, and Zhenxin WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Polydopamine nanoparticle-DNA conjugate-based FRET assay for reactive oxygen species detection
<b>P-41</b>	<b>Xia LIU</b> , Zhen LEI, Fuyao LIU, Dianjun LIU, and Zhenxin WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Fabricating three-dimensional carbohydrate hydrogel microarray for lectin-mediated bacterium capturing
<b>P-42</b>	<b>Fuyao LIU</b> , Xiuxia HE, Junping ZHANG, Huimao ZHANG*, and Zhenxin WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Employing tryptone as a general phase transfer agent to produce renal clearable nanodots for bioimaging
<b>P-43</b>	<b>Jiaxue GAO</b> , Lan MA, and Zhenxin WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Microarray-based assay for the detection of single nucleotide polymorphisms by Au enlargement
<b>P-44</b>	Yang CHEN, <b>Huipeng ZHOU</b> , Yan WANG, Wenying LI, Jian CHEN, Quan LIN*, and Cong YU* (Changchun Institute of Applied Chemistry, CAS, China)	Nucleic acid-induced tetraphenylethene probe noncovalent self-assembly and the super quenching of aggregation-induced emission

<b>P-45</b>	<b>Yunyi ZHANG</b> , Cong YU*, and Shichun JIANG* (Changchun Institute of Applied Chemistry, CAS, China)	A label-free fluorometric assay for protease activity and inhibitor screening through the perylene probe monomer-excimer transition
<b>P-46</b>	<b>Zhenzhen HU</b> , Jian CHEN, Wenying LI, and Cong YU* (Changchun Institute of Applied Chemistry, CAS, China)	Novel label-free fluorescence turn-on detection of microRNA based on perylene probes
<b>P-47</b>	<b>Juanmin LI</b> , Yongxin LI, Sohail Anjum Shahzad, Jian CHEN, Yang CHEN, Yan WANG, Meiding YANG, and Cong YU* (Changchun Institute of Applied Chemistry, CAS, China)	Fluorescence turn-on detection of glucose via the Ag nanoparticle mediated release of a perylene probe
<b>P-48</b>	<b>Meiding YANG</b> , Jian CHEN, Wenying LI, Yan WANG, Juanmin LI, Cuiyun ZHANG, Chuibei ZHOU, and Cong YU* (Changchun Institute of Applied Chemistry, CAS, China)	Polycation-induced benzoperylene probe excimer formation and the ratiometric detection of heparin and heparinase
<b>P-49</b>	<b>Qingfeng ZHANG</b> , and Cong YU* (Changchun Institute of Applied Chemistry, CAS, China)	Fluorescence turn-on assay for ALP based on Cu(II)-catalyzed fenton-like reaction
<b>P-50</b>	Yang CHEN, <b>Wenping ZHANG</b> , Wenying LI, Yan WANG, Xudong YANG, Jian CHEN, Yingnan JIANG, Cong YU*, and Quan LIN* (Changchun Institute of Applied Chemistry, CAS, China)	Cysteine-directed fluorescent gold nanoclusters for the sensing of pyrophosphate and alkaline phosphatase
<b>P-51</b>	<b>Xuejuan CHEN</b> , Xiaojing BAI, Huiyan LI, and Bailin ZHANG* (Changchun Institute of Applied Chemistry, CAS, China)	Label-free detection of fumonisin B-1 using aptamer based microcantilever array
<b>P-52</b>	<b>Lie WU</b> , Li ZENG, and Xiue JIANG* (Changchun Institute of Applied Chemistry, CAS, China)	Revealing the nature of interaction between graphene oxide and lipid membrane by surface-enhanced infrared absorption (SEIRA) spectroscopy
<b>P-53</b>	<b>Zhifang MA</b> , Jing BAI, and Xiue JIANG* (Changchun Institute of Applied Chemistry, CAS, China)	Monitoring of the enzymatic degradation of protein corona and evaluating the accompanying cytotoxicity of nanoparticles
<b>P-54</b>	<b>Li ZENG</b> , Li LIU, Lie WU, and Xiue JIANG* (Changchun Institute of Applied Chemistry, CAS, China)	Simultaneous probing structural properties of two components in cardiolipin-cytochrome C complex by surface enhanced infrared absorption spectroscopy reveals their interaction
<b>P-55</b>	<b>Yudi RUAN</b> , and Xiue JIANG* (Changchun Institute of Applied Chemistry, CAS, China)	Uric acid carbon dots as a new probe for sensitive and selective detection of mercury(II) ion in vitro and in living cells
<b>P-56</b>	<b>Guo ZHANG</b> , Ruitao CHAI, Yu CHEN, Xuan CHU, and Weihua GUO (Xi'an University of Architecture and Technology)	The synthesis and upconversion luminescence of NaYbF <sub>4</sub> : Er <sup>3+</sup> , Tm <sup>3+</sup> nanoparticles
<b>P-57</b>	<b>Chien-Wei WU</b> , Binesh UNNIKRISHNAN, I-Wen Peter CHEN, Chia-Wen LIEN, Huan-Tsung CHANG, and Chih-Ching HUANG* (National Taiwan Ocean University, Taiwan)	One pot low-temperature synthesis of graphene/Cdot/MnOx composite for electrochemical application



<b>P-58</b>	Chien-Wei WU, <b>Shih-Chun WEI</b> , and Chih-Ching HUANG* (National Taiwan Ocean University, Taiwan)	One-step synthesis of peroxidase-like aptamer-capped-copper oxide nanorods for the detection of thrombin
<b>P-59</b>	<b>Tao YUAN</b> , Hjalmar P. PERMENTIER, and Rainer BISCHOFF* (Groningen University, the Netherlands)	Nanoporous gold electrodes for the metabolic conversion of lidocaine
<b>P-60</b>	<b>Enna HA</b> , Lawrence Yoon Suk LEE,* Ho-Wing MAN, Kwok-Yin WONG,* and Shik Chi Edman TSANG (The Hong Kong Polytechnic University, China)	Morphology controlled synthesis of Au/Cu <sub>2</sub> FeSnS <sub>4</sub> nanomaterials with enhanced photocatalytic hydrogen generation
<b>P-61</b>	<b>Luyang WANG</b> , Lawrence Yoon Suk LEE, Kwok-Yin WONG* (The Hong Kong Polytechnic University, China)	Top-down mass production of water dispersible graphitic-C <sub>3</sub> N <sub>4</sub> quantum dots for oxygen reduction reaction
<b>P-62</b>	<b>Xiaoying JIN</b> , Qiuli WANG, and Guoying SUN* (Changchun University of Technology, China)	Biocompatible PEGylated NaGdF <sub>4</sub> : Dy nanoparticles as a MR/CT bimodal probe for multimodality imaging
<b>P-63</b>	<b>Qiu-Li WANG</b> , Xiao-Ying JIN, and Guo-Ying SUN* (Changchun University of Technology, China)	Facile synthesis of porous nickel oxide film for supercapacitor electrode materials
<b>P-64</b>	<b>Xiaokun LI</b> , Youlin ZHANG,* and Wei CHEN* (Changchun Institute of Applied Chemistry, CAS, China)	The influence of ligand conformation on the fluorescence properties of CdSe/ZnS quantum dots
<b>P-65</b>	<b>Shuijian HE</b> , and Wei CHEN* (Changchun Institute of Applied Chemistry, CAS, China)	3D porous and ultralight nitrogen-doped carbon nanotubes/carbon foam composites for high performance supercapacitors
<b>P-66</b>	<b>Xiaohui GAO</b> , Yizhong LU, Minmin LIU, Shuijian HE, and Wei CHEN* (Changchun Institute of Applied Chemistry, CAS, China)	Sub-nanometer sized copper clusters: one-step synthesis and electrochemical detection of glucose
<b>P-67</b>	<b>Chunmei ZHANG</b> , Lei LIA, Jian JU, and Wei CHEN* (Changchun Institute of Applied Chemistry, CAS, China)	Nonenzymatic amperometric H <sub>2</sub> O <sub>2</sub> sensing of tin oxide nanoparticles-reduced graphite oxide hybrid nanostructures
<b>P-68</b>	<b>Lingling ZHANG</b> , Yujie HAN, Qingqing WANG, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	L-cysteine induced switch-on of fluorescent carbon nanodots-Cu(II) System
<b>P-69</b>	<b>Qingqing WANG</b> , Lingling ZHANG, Changshuai SHANG, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Nickel-palladium hollow nanoparticle: intrinsic peroxidase mimetics
<b>P-70</b>	<b>Yiwen ZHAI</b> , Hui ZHANG, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Synthesis of upconversion NaYF <sub>4</sub> nanoparticles doped with Er <sup>3+</sup> and Yb <sup>3+</sup> via thermal decomposition
<b>P-71</b>	<b>Jing BAI</b> , Xiaodan JIA, Zhifang MA, and Xiue JIANG* (Changchun Institute of Applied Chemistry, CAS, China)	Semiconductor nanoparticles with high photothermal conversion efficiency for efficient ablation of cancer cells



<b>P-72</b>	<b>Zhen LI</b> , Yujing SUN, Haichao DAI, Jingting HU, Pengjuan NI, Shu JIANG, Wangdong LU, Yilin WANG, and Zhuang LI* (Changchun Institute of Applied Chemistry, CAS, China)	The research of Au films' thickness on their electrical resistivity by atomic force microscopy
<b>P-73</b>	<b>Jinhui HAO</b> , Zhe ZHANG, and Jilin TANG* (Changchun Institute of Applied Chemistry, CAS, China)	Surfactant-assisted fabrication of 3D self-propulsion prussian blue-reduced graphene oxide hydrogel motor for water treatment
<b>P-74</b>	<b>Yaqing CHANG</b> , Zhe ZHANG, Jinhui HAO, Wenshu YANG, and Jilin TANG* (Changchun Institute of Applied Chemistry, CAS, China)	A CoFeP nanocube for fluorescence sensing of DNA
<b>P-75</b>	<b>Xiaofang JIA</b> , Jing LI, Xiaowei ZHANG, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Controlling synthesis and assembly of highly luminescent AuAg alloy nanoclusters
<b>P-76</b>	<b>Changshuai SHANG</b> , Wei HONG, Dan LI, Jin WANG*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Supported hollow NiPdAu nanoparticles for ethanol oxidation
<b>P-77</b>	<b>Litai SUN</b> , and Liang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	One-pot synthesis of porous PdPt nanoparticles on reduced graphene oxide composite for methanol oxidation and oxygen reduction reactions
<b>P-78</b>	<b>Hongda CHEN</b> , and Zhenxin WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Preparation and application of PEG-bridged graphene-Fe <sub>2</sub> O <sub>3</sub> @Au nanoparticle nanohybrids
<b>P-79</b>	<b>Zhen LEI</b> , Xia LIU, Lina MA, Dianjun LIU, Haifei ZHANG,* and Zhenxin WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Spheres-on-sphere silica microspheres as matrix for horseradish peroxidase immobilization and detection of hydrogen peroxide
<b>P-80</b>	<b>Jianming ZHAO</b> , Rafael LUQUE, Jianping LAI, Wenyue GAO, Muhammad Rehan Hassan Shah GILANI, and Guobao XU* (Changchun Institute of Applied Chemistry, CAS, China)	Facile surfactant-free synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> @3-aminophenol-formaldehyde core-shell magnetic microspheres
<b>P-83</b>	<b>Qiang FU</b> , Zhening ZHU, Weilin XU*, and Zhiyong TANG* (Changchun Institute of Applied Chemistry, CAS, China)	Seeded growth synthesis of uniform gold "meatball" supraparticles with tunable diameters and their SERS effect
<b>P-84</b>	<b>Jian SUN</b> , and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	Noble metal nanoclusters-based fluorescent detection of biomolecules using a competition assay approach
<b>P-85</b>	<b>Lixia LU</b> , Chuanxia CHEN, Dan ZHAO, Fan YANG, and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	Simple and sensitive detection of phosphate based on the carbon dots-enhanced fluorescence of terbium complexes
<b>P-86</b>	<b>Dehui LI</b> , Jian SUN, Xue ZHAO, and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	Synthesis and phase transition of wurtzite Cu <sub>3</sub> ZnInSnS <sub>6</sub> nanoplates

<b>P-87</b>	<b>Dan ZHAO</b> , Chuanxia CHEN, Lixia LU, Fan YANG, and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	A dual-mode colorimetric and fluorometric “light on” sensor for thiocyanate based on carbon dots and unmodified gold nanoparticles
<b>P-88</b>	<b>Libo LI</b> , Bin YU, and Tianyan YOU* (Changchun Institute of Applied Chemistry, CAS, China)	Highly selective and sensitive analysis of Hg <sup>2+</sup> based on carbon nanodots
<b>P-89</b>	<b>Zafar Hussain Ibupoto</b> , Sohail Anjum Shahzada, K. Khun, M. Willander, and Cong Yu* (Changchun Institute of Applied Chemistry, CAS, China)	Facile synthesis of cobalt oxide nanostructures, and their sensitive glucose sensing applications
<b>P-90</b>	<b>Lingyan WANG</b> , Haiyang CHENG, Chao ZHANG, Yancun YU, Weiwei LIN, Xiaoru Li, Yan LI, and Fengyu ZHAO* (Changchun Institute of Applied Chemistry, CAS, China)	A facile synthesis approach to porous graphene and its application in lithium-ion batteries
<b>P-91</b>	<b>Jianshe HUANG</b> , and Tianyan YOU* (Changchun Institute of Applied Chemistry, CAS, China)	Controllable synthesis of Au@SiO <sub>2</sub> core-shell nanoparticles for biosensing applications
<b>P-92</b>	<b>Xiaolong XU</b> , Ya ZHOU, and Yongdong JIN* (Changchun Institute of Applied Chemistry, CAS, China)	A bottom-up strategy for fabrication of nanoelectrode
<b>P-94</b>	<b>Jie ZHANG</b> , Ping WANG, Jian SUN, and Yongdong JIN* (Changchun Institute of Applied Chemistry, CAS, China)	High-efficiency plasmon-enhanced and graphene-supported semiconductor/metal core-satellite hetero-nanocrystal photocatalysts for visible-light dye photodegradation and H <sub>2</sub> production from water
<b>P-95</b>	<b>Hui HOU</b> , Limei CHEN, Haili HE, Lizhen CHEN, Zhenlu ZHAO, and Yongdong JIN* (Changchun Institute of Applied Chemistry, CAS, China)	Fine-tuning LSPR response of gold nanorod/polyaniline core-shell nanoparticles with high photothermal efficiency for cancer cell ablation
<b>P-96</b>	<b>Sohail Anjum SHAHZAD</b> , Zafar Hussain IBUPOTO, Razium Ali SOOMROD, Magnus WILLANDERE, and Cong YU* (Changchun Institute of Applied Chemistry, CAS, China)	Green approach for the synthesis of NiO nanostructures and their non-enzymatic glucose sensor based applications
<b>P-97</b>	Qing ZHU, Zheng LIU, Xinrui ZHOU, Xinmei ZHANG, and <b>Yue ZHANG</b> (Tianjin University of Technology, China)	The simple synthesis of uniform-sized magnetite hollow spheres
<b>P-98</b>	<b>Hongmei SUN</b> , Mengwei SUN, and Honghao SUN (Hubei University of Technology, China)	Titanium dioxide/carbonaceous nanofiber membranes with self-cleaning ability as a novel platform for removal of dye pollutants
<b>P-99</b>	<b>Qiang XUE</b> , Dai KATO, Qiaohui GUO, Tianyan YOU, and Osamu NIWA (Assoc. Prof., China University of Geosciences (Beijing), China)	Surface controlled carbon nanomaterial based electrode for efficient direct electron transfer
<b>P-101</b>	<b>Guanda WANG</b> , Bo ZHAO*, Yinghui FENG, Linxuan LI, Kaikai TANG, Suyue WU, and Zhelin Liu (Changchun University of Science and Technology, China)	Preparation of nickel oxalate nanomaterial and its capacitance behavior

<b>P-103</b>	<b>Junwei DING</b> , Zhiqiang SU,* and Gang WEI,* (Beijing University of Chemical Technology, China)	Self-assembly of metallic nanoparticles on silver core-induced polypyrrole nanotablets for electrochemical biosensors
<b>P-104</b>	<b>Junwei DING</b> , Zhiqiang SU*, and Gang WEI* (Beijing University of Chemical Technology, China)	Hydrothermal synthesis of manganese dioxide-polypyrrole nanocomposites for electrochemical sensor of hydrazine
<b>P-105</b>	<b>Jannu CASANOVA-MORENO*</b> , Josiah TO, Cheng Wei T. YANG, Dan BIZZOTTO, and Karen C. CHEUNG (University of British Columbia, Canada)	Design and fabrication of a disposable three-electrode cell for DNA amplification and its electrochemical detection
<b>P-106</b>	Rupesh K. Mishra, Atul Sharma, Akhtar Hayat, Sunil Bhand, <b>Jean-Louis Marty</b> (Université De Perpignan Via Domitia, France)	OTA biosensing in real matrix using folding based electrochemical aptasensor
<b>P-107</b>	<b>Pu Zhang</b> , and Ruo Yuan* (Southwest University, China)	A DNA tweezer-powered regenerated ECL biosensor based on exponential amplification for the detection of microRNA from cancer cells
<b>P-108</b>	<b>Tingting GU</b> , Mingjun NAN, Yao LI, and Yang ZHOU (University of Science and Technology Liaoning, China)	Amperometric assay for drug–DNA interaction based on an inhibitory effect on an electrocatalytic activity of DNA–Fe(III) complex
<b>P-109</b>	<b>Chunhuan JIANG</b> , <b>Ying WANG</b> , and Lehui LU* (Changchun Institute of Applied Chemistry, CAS, China)	Highly sensitive diagnosis of damaged bone based on novel analytical methods: surface enhancement Raman scattering and gemstone spectral CT
<b>P-110</b>	<b>Yuanyuan LI</b> , and Lehui LU* (Changchun Institute of Applied Chemistry, CAS, China)	Target-conjugated dopamine-melanin colloidal nanospheres for photoacoustic imaging and near-infrared photothermal therapeutic of tumor
<b>P-111</b>	<b>Yan CHEN</b> , Kelong AI, and Lehui LU* (Changchun Institute of Applied Chemistry, CAS, China)	Multifunctional envelope-type mesoporous silica nanoparticles for pH-responsive drug delivery and magnetic resonance imaging
<b>P-112</b>	<b>Jun AI</b> , Jing LIA, Lu GA, Guohong YUN, and Erkang WANG* (Assoc. Prof., Inner Mongolia Normal University, China)	Multifunctional near-infrared fluorescent nanoclusters for simultaneous targeted cancer imaging and photodynamic therapy
<b>P-115</b>	<b>Yujing SUN</b> , Jingting HU, Pengjuan NI, Haichao DAI, Shu JIANG, Yilin WANG, Zhen LI, Wangdong LU, and Zhuang LI* (Changchun Institute of Applied Chemistry, CAS, China)	A facile colorimetric method for tetracycline detection
<b>P-116</b>	<b>Haichao DAI</b> , Pengjuan NI, Yujing SUN, Jingting HU, Shu JIANG, Yilin WANG, and Zhuang LI* (Changchun Institute of Applied Chemistry, CAS, China)	Label-free fluorescent detection of mercury ion based on the regulation of Ag autocatalytic reaction
<b>P-117</b>	<b>Jingting HU</b> , Pengjuan NI, Haichao DAI, Yujing SUN, Yilin WANG, Shu JIANG, Zhen LI, Wangdong LU, and Zhuang LI* (Changchun Institute of Applied Chemistry, CAS, China)	Aptamer-based colorimetric biosensing of abrin using catalytic gold nanoparticles

P-118	<b>Pengjuan NI</b> , Yujing SUN, Haichao DAI, Jingting HU, Shu JIANG, Wangdong LU, Yilin WANG, Zhen LI, and Zhuang LI* (Changchun Institute of Applied Chemistry, CAS, China)	A novel and facile colorimetric method for glutathione detection based on Ag(I) ion-3, 3', 5, 5',-tetramethylbenzidine (TMB) system
P-119	<b>Yilin WANG</b> , Yujing SUN, Haichao DAI, Jingting HU, Pengjuan NI, Shu JIANG, Wangdong LU, Zhen LI, and Zhuang LI* (Changchun Institute of Applied Chemistry, CAS, China)	Colorimetric detection of glutathione based on the peroxidase-like activity of MnO <sub>2</sub> nanosheets
P-120	<b>Xiaoyan REN</b> , and Lehui LU* (Changchun Institute of Applied Chemistry, CAS, China)	A new type of Cu(I) compounds for modification-free detection of H <sub>2</sub> S gas
P-121	<b>Qingfeng ZHAI</b> , Hong JIANG, Xiaowei ZHANG, Jing LI*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Fabricate dual-responsive ion gate by self-initiated photografting and photopolymerization
P-122	<b>Wenyue GAO</b> , Wenjing QI, Jianping LAI, Liming QI, Saadat MAJEED, and Guobao XU* (Changchun Institute of Applied Chemistry, CAS, China)	Thiourea dioxide as unique eco-friendly coreactant of luminol chemiluminescence for sensitive detection of cobalt ions
P-123	<b>Chuanxia CHEN</b> , Dan ZHAO, Lixia LU, Fan YANG*, and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	A simple and rapid colorimetric sensor for sulfide anion detection based on redox reaction of ABTS with Au (III)
P-124	<b>Yongxin LI</b> , Wenyong LI, Huipeng ZHOU, Fangyuan WANG, Yang CHEN, Yan WANG, and Cong YU* (Changchun Institute of Applied Chemistry, CAS, China)	A facile method for the sensing of antioxidants based on the redox transformation of polyaniline
P-125	<b>Chengke WANG</b> , and Dan CHEN (Jiangsu University, China)	Rapid detection of acetamiprid using label-free method
P-126	<b>Yong WANG</b> , Jie HUA, and Yongnian NIA (Nanchang University, China)	Photoluminescent sensing of lead(II) ions and sulfide ions based on molybdenum disulfide nanosheets
P-127	<b>Huifeng XU</b> , Qiao LIN, and Xi ZHU* (Fujian University of Traditional Chinese Medicine, China)	Bio-inspired sensor coupled with bio-bar code and hybridization chain reaction for Hg <sup>2+</sup> assay
P-128	<b>Xiaoyu JIA*</b> , Bin XU, Dirong GONG, Qiaoqiao CHI, and Xian ZHANG* (Institute of Urban Environment, CAS, China)	A novel organic polymer materials based solid phase extraction combined with HPLC-ICP-MS for the fast speciation of chromium in wastewater
P-129	<b>Sumei CAO</b> , Shushu DING, Anwei ZHU*, and Guoyue SHI* (East China Normal University, China)	Facile fabrication and characterization of highly fluorescent glass capillary nanopore
P-130	Lihua ZHANG, Hua LIU, Yuehua HU, Tao WU, and <b>Yong SHAO</b> (Zhejiang Normal University, China)	DNA structure-sensitive fluorescent probe: not quenched by nearby guanine via electron transfer
P-131	<b>Lihua Bi</b> , and Lingxiao Xu (Prof., Jilin University, China)	Electrochemically induced luminescence switching behaviors by polyoxometalates with different structures

<b>P-132</b>	Wenmei Gao, and <b>Lihua Bi</b> (Prof., Jilin University, China)	Preparation of green fluorescence thin film and study of electrochemically induced switching behaviors
<b>P-133</b>	<b>Ajay Kumar GUPTA</b> , and Chanchal K. MITRA (University of Hyderabad, India)	Electrochemical impedimetric approach towards analysis of biomolecular interaction
<b>P-134</b>	<b>Muhammad Rehan Hasan Shah GILANI</b> , Rafael LUQUE, Aziz ur REHMAN, and Guobao XU* (The Islamia University of Bahawalpur, Pakistan)	Polyoxometalate–starbon materials electrode for electrochemical studies
<b>P-135</b>	<b>S. EI KASMI</b> , F. EI AROUI, M. ZRIOUIL, M. AHMAMOU, M. BAKASSE, and M.A. EI MHAMMEDI,* (Sciences University Mohammed-V of Morocco, Morocco)	Electrochemical determination of paraquat in potato, lemon, orange and natural water samples using sensitive-rich clay carbon electrode
<b>P-136</b>	<b>Chuan ZHAO</b> , Christian GUNAWAN and Mengchen GE (Assoc. Prof., The University of New South Wales, Australia)	Salt On A Chip: Miniaturised Ionic Liquid Systems
<b>P-137</b>	<b>Shuo YANG</b> , Hidenori NOGUCHI, and Kohei UOSAKI* (a National Institute for Materials Science, b Hokkaido University, Japan)	Electronic structure of CO/Pt(111) electrode interface in sulfuric acid solution probed by IR/Visible double resonance sum frequency generation spectroscopy
<b>P-138</b>	<b>Minmin LIU</b> , and Wei CHEN* (Changchun Institute of Applied Chemistry, CAS, China)	Design and preparation of carbon-based electrocatalysts
<b>P-139</b>	<b>Junfeng ZHAI</b> , and Shaojun DONG* (Assoc. Prof., Changchun Institute of Applied Chemistry, CAS, China)	A simple and effective electrode cleaning method for on-line water total toxicity monitoring apparatuses
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<b>P-140</b>	<b>Dengbin YU</b> , Lu BAI, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Water total toxicity measurement based on microbial fuel cell using mediator
<b>P-141</b>	<b>Baohua LOU</b> , and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Electrochemical detection of matrix metalloproteinase 9 released from cancer cells on microfluidic chip
<b>P-142</b>	<b>Yujie HAN</b> , Junfeng ZHAI, Lingling ZHANG, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Direct carbonization of cobalt-doped NH <sub>2</sub> -MIL-53(Fe) for electrocatalysis of oxygen evolution reaction
<b>P-143</b>	<b>Miao XU</b> , Lei HAN, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Synthesis of porous CoP electrocatalysts from MOFs template with improved electrochemical properties for hydrogen evolution
<b>P-144</b>	<b>You YU</b> , Miao XU, Junfeng ZHAI, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	An oxygen-independent hybrid enzymatic biofuel cell based on MnO <sub>2</sub> cathode

<b>P-145</b>	<b>Hui ZHANG</b> , You YU, Lingling ZHANG, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Self-powered electrochromic fluorescence display based on fast charging prussian blue battery
<b>P-146</b>	<b>Min WANG</b> , Lu BAI, Lingling ZHANG, and Shaojun DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Electrochemical sensor based on silk carbon-ionic liquid composites for dopamine detection
<b>P-147</b>	<b>Wenxiu YANG</b> , Xiaoyu YUE, Xiangjian LIU, Junfeng ZHAI, and Jianbo JIA* (Changchun Institute of Applied Chemistry, CAS, China)	ILs-derived N, S co-doped ordered mesoporous carbon for high-performance oxygen reduction
<b>P-148</b>	<b>Xiaoyu YUE</b> , Wenxiu YANG, and Jianbo JIA* (Changchun Institute of Applied Chemistry, CAS, China)	Pt/TiO <sub>2</sub> nanosheets with high performance of electrochemical determination of hydrazine
<b>P-149</b>	<b>Yingying FAN</b> , Dongxue HAN, Li NIU, and XianDui DONG* (Changchun Institute of Applied Chemistry, CAS, China)	Convenient recycling 3D AgX/graphene aerogels (X=Br, Cl) for efficiently photocatalytic degradation of water pollutants
<b>P-150</b>	<b>Haijuan LI</b> , Limei CHEN, and Yongdong JIN* (Changchun Institute of Applied Chemistry, CAS, China)	Applications of carbon nanodots in electrocatalysis and biosensing
<b>P-151</b>	<b>Zhenlu ZHAO</b> , Ping WANG, Xiaolong XU, Mordechai SHEVES, and Yongdong JIN* (Changchun Institute of Applied Chemistry, CAS, China)	Bacteriorhodopsin/Ag nanoparticle-based hybrid nano-bio electrocatalyst for efficient and robust H <sub>2</sub> evolution from water
<b>P-152</b>	<b>Chuanping LI</b> , Zhenlu ZHAO, Lizhen CHAO, and Yongdong JIN* (Changchun Institute of Applied Chemistry, CAS, China)	SPR-induced electrical conduction in nanoelectronics devices
<b>P-153</b>	<b>Mengxia SHEN</b> , Lirong ZHENG, Wenhui HE, Changping RUAN, Chunhuan JIANG, Kelong AI*, and Lehui LU* (Changchun Institute of Applied Chemistry, CAS, China)	DNA nanoassembly-inspired fabrication of rambutan-like porous structures for high-performance oxygen reduction electrocatalysis
<b>P-154</b>	<b>Yelong ZHANG</b> , and Zhangquan PENG* (Changchun Institute of Applied Chemistry, CAS, China)	Mixtures of acetonitrile-dimethyl sulfoxide as electrolyte with improved electrochemical performance for rechargeable aprotic Li-O <sub>2</sub> batteries
<b>P-155</b>	<b>Qinghua CUI</b> , Lipo MA, and Zhangquan PENG* (Changchun Institute of Applied Chemistry, CAS, China)	Electrochemical oxidation of Li <sub>2</sub> O <sub>2</sub> surface-doped with Li <sub>2</sub> CO <sub>3</sub> and LiOH
<b>P-156</b>	<b>Shunchao MA</b> , Yang WU*, and Zhangquan PENG* (Changchun Institute of Applied Chemistry, CAS, China)	On the reversibility of aprotic Li-O <sub>2</sub> Cells with excellent cyclability

P-157	<b>Jing ZHAO</b> , Jiawei WANG, Xinxu YAN, and Zhangquan PENG* (Changchun Institute of Applied Chemistry, CAS, China)	Where is the lost lithium peroxide?
P-158	<b>Yantao ZHANG</b> , Lianqi ZHANG*, and Zhangquan PENG* (Changchun Institute of Applied Chemistry, CAS, China)	Identify a suitable sodium insertion compound as counter or reference electrode used in Na–O <sub>2</sub> batteries
P-159	<b>Zhe ZHANG</b> , and Jilin TANG* (Changchun Institute of Applied Chemistry, CAS, China)	FeP-graphene sheets hybrids as highly active electrocatalyst for hydrogen generation
P-160	<b>Xiaowei ZHANG</b> , Chaogui CHEN, Jianyuan YIN, Yanchao HAN, Jing LI*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Using the light emitting diode as the signal reporter in a closed bipolar system
P-161	<b>Wenling GU</b> , Xi DENG, Xiaoxiao GU, Xiaofang JIA, Baohua LOU, Xiaowei ZHANG, Jing LI*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Stabilized, superparamagnetic functionalized graphene/Fe <sub>3</sub> O <sub>4</sub> @Au nanocomposites for a magnetically-controlled solid-state electrochemiluminescence biosensing application
P-162	<b>Wei HONG</b> , Changshuai SHANG, Dan LI, Jin WANG*, and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Self-supported Au/Pt nanowires with a dendritic shell for enhanced electrocatalytic activity toward ethanol electrooxidation
P-163	<b>Limin GUO</b> , and Erkang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Unlocking the energy capabilities of micron-sized LiFePO <sub>4</sub>
P-164	<b>Min ZHANG</b> , Junguang JIANG, Jing GAO, Junling CHEN, Mingjun CAI, and Hongda WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Modulation the fluorescence of Cy5 by electrochemistry
P-165	<b>Li QI</b> (Changchun Institute of Applied Chemistry, CAS, China)	Electrochemical properties of a composite electrolyte with ionic liquid
P-166	<b>Shengfeng TIAN</b> , Li QI, and Hongyu WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Electrochemical intercalation of solvated DFOB-anion into graphite
P-167	<b>Hui FAN</b> , Jichao GAO, Li QI, and Hongyu WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Solvation effect on PF <sub>6</sub> <sup>-</sup> intercalation into graphite electrode
P-168	<b>Ying JIANG</b> , Li QI, and Hongyu WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Flame-retardant organic electrolytes for electric double-layer capacitors
P-169	<b>Xiaohong WANG</b> , Li QI, and Hongyu WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Effects of anion adsorbents on the electrochemical performance of LiFePO <sub>4</sub> -based cathode in a series of electrolytes



P-170	<b>Chao LI</b> , Li QI, and Hongyu WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Novel methods to fabricate the facile silicon anodes by composite binder material
P-171	<b>Jiayu LI</b> , Li QI, and Hongyu WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Intercalation of small quaternary alkyl ammonium cations into graphite negative electrode
P-172	<b>Changting WEI</b> , and Liang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Cobalt and nitrogen co-doped porous graphene as efficient oxygen reduction catalyst
P-173	<b>Qingqing LU</b> , and Liang WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Facile synthesis of PtCo nanoelectrocatalysts
P-174	<b>Zhen ZHAO</b> , Hongda CHEN, Lina MA,* Dianjun LIU, and Zhenxin WANG* (Changchun Institute of Applied Chemistry, CAS, China)	Label-free electrochemical impedance aptasensor for cylindrospermopsin detection based on thionine-graphenenanocomposite
P-175	<b>Jianbing ZHU</b> , Meiling XIAO, Kui LI, Junjie GE, Changpeng LIU, and Wei XING (Changchun Institute of Applied Chemistry, CAS, China)	Efficient electrocatalytic oxygen reduction over Fe/N/C complex derive from ferrous gluconate and ethylene diamine
P-176	<b>Qing LV</b> , Jinfa CHANG, Wei XING*, and Changpeng LIU (Changchun Institute of Applied Chemistry, CAS, China)	Dispersion-controlled PtCu clusters synthesized with citric acid using galvanic displacement with high electrocatalytic activity toward methanol oxidation
P-177	<b>Meiling XIAO</b> , Kui LI, Yuemin WANG, Changpeng LIU, Junjie GE, and Wei XING (Changchun Institute of Applied Chemistry, CAS, China)	Functionalized carbon nanotubes as effective catalyst support for methanol electrooxidation
P-178	<b>Jinfa CHANG</b> , Minglei WANG, Zhaoyan LUO, Changpeng LIU, and Wei XING (Changchun Institute of Applied Chemistry, CAS, China)	Ni <sub>2</sub> P as an effective catalyst promoter for direct liquid fuel cells
P-179	<b>Kui LI</b> , Jianbing ZHU, Meiling XIAO, Shikui YAO, Changpeng LIU*, and Wei XING* (Changchun Institute of Applied Chemistry, CAS, China)	The promotion of mesoporous vanadium carbide incorporated on resorcinol-formaldehyde resin carbon composites with high surface areas on Pt catalysts for methanol electrooxidation
P-180	<b>Yao XIAO</b> , Changpeng LIU, Vladimir FATEEV, and Wei XING* (Changchun Institute of Applied Chemistry, CAS, China)	NiCo <sub>2</sub> O <sub>4</sub> nanosheet arrays as effective and robust catalyst for oxygen evolution reaction
P-181	<b>Guoqiang LI</b> , Shikui YAO, Liang LIANG, Vladimir FATEEV, Changpeng LIU, and Wei XING* (Changchun Institute of Applied Chemistry, CAS, China)	Iridium oxide electrocatalyst prepared by a changed aqueous hydrolysis method for oxygen evolution reaction
P-182	<b>Jianping LAI</b> , Rafael LUQUE*, and Guobao XU* (Changchun Institute of Applied Chemistry, CAS, China)	A platinum highly concave cube with one leg on each vertex with enhanced electrocatalytic properties
P-184	<b>Erling LI</b> , Ping SONG, and Weilin XU* (Changchun Institute of Applied Chemistry, CAS, China)	Preparation of effective and fully-utilized Pt/C with galvanic reaction



<b>P-185</b>	<b>Mingbo RUAN</b> , Xiujian SUN, Yuwei ZHANG, and Weilin XU* (Changchun Institute of Applied Chemistry, CAS, China)	Regeneration and enhanced catalytic activity of Pt/C electrocatalysts
<b>P-186</b>	<b>Tao CHEN</b> , Xiujian SUN, Jing LIU, and Weilin XU* (Changchun Institute of Applied Chemistry, CAS, China)	N, F-codoped graphene as a metal-free catalyst for oxygen reduction reaction
<b>P-187</b>	<b>Jing LIU</b> , Mingbo RUAN, Xiujian SUN, and Weilin XU* (Changchun Institute of Applied Chemistry, CAS, China)	Fluorine, Iron-codoped highly efficient non-precious metal electrocatalysts for oxygen reduction reaction
<b>P-188</b>	<b>Xue ZHAO</b> , Xiao MA, Fan YANG*, and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	Enhanced catalytic activity in surfactant assisted exfoliated MS <sub>2</sub> (M=Mo, W) quantum dots for hydrogen evolution
<b>P-189</b>	<b>Xiao MA</b> , Xue ZHAO, Fan YANG*, and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	The effect of different content Fe (III) for chitosan as carbon source oxygen reduction reaction catalysis
<b>P-190</b>	<b>Tao HU</b> , Fan YANG*, and Xiurong YANG* (Changchun Institute of Applied Chemistry, CAS, China)	Exploring the interaction between L1rb2 and Aβ42 oligomers by dual polarization interferometry
<b>P-191</b>	<b>Limin ZHOU</b> , Jianshe HUANG, Bin YU, and Tianyan YOU* (Changchun Institute of Applied Chemistry, CAS, China)	A novel electrochemiluminescencesensor for immunoassy
<b>P-192</b>	<b>Xueping ZHANG</b> , Dong LIU, Libo LI, Bin YU, and Tianyan YOU* (Changchun Institute of Applied Chemistry, CAS, China)	Nitrogen-doped carbon nanospheres@carbon nanofibers composite film for the direct electrochemistry of glucose oxidase
<b>P-193</b>	<b>Yaxiao GUO</b> , Xiaoyan ZHANG, Xueping ZHANG, Libo LI, and Tianyan YOU* (Changchun Institute of Applied Chemistry, CAS, China)	MoS <sub>2</sub> /N-doped carbon nanofibers hybrid catalysts for efficient hydrogen evolution
<b>P-194</b>	<b>Xiaoyan ZHANG</b> , and Tianyan YOU* (Changchun Institute of Applied Chemistry, CAS, China)	MoS <sub>2</sub> grown on carbon nanofibers for electrocatalysis
<b>P-195</b>	<b>Hong JIANG</b> , Erkang WANG, and Jiahai WANG (Changchun Institute of Applied Chemistry, CAS, China)	Gas-breathing polymer film for constructing switchable ionic diodes
<b>P-197</b>	Jingyi CHEN, Li WANG, and <b>Yonghai SONG</b> (Prof., Jiangxi Normal University, China)	An ultrasensitive pH-Switchable electrochemical immunosensing based on integrated 3D-KSCs electrode as signal collector and AuNPs-Ab2-GOD-ConA as tracing tag for assay of CEA
<b>P-198</b>	<b>Lei ZHOU</b> , and Ying LIU* (Northwest A&F University, China)	An isolated facultative exoelectrogenic strain and its bioelectricity generation capability
<b>P-199</b>	Qinghe WEI, Qingqing ZHANG, Hongwei GU, and <b>BIN QI</b> (Northeast Normal University, China)	Electrochemical determination of ractopamine at a flowerlike gold nanostructure modified mesoporous carbon electrode

<b>P-200</b>	Hongwei GU, Qingqing ZHANG, Qinghe WEI, and <b>Bin QI</b> (Northeast Normal University, China)	Electrochemiluminescence behavior of gold/Nafion/Ru(bpy) <sub>3</sub> <sup>2+</sup> system in the presence of oxalic acid
<b>P-201</b>	<b>Chunyan WANG</b> , and Tianyan YOU* (Jilin Engineering Normal University, China)	Determination of cyromazine and melamine at gold nanoparticles modified electrode using capillary electrophoresis coupled with electrogenerated chemiluminescence
<b>P-202</b>	<b>Haitao HAN</b> , and Dawei PAN (Yantai Institute of Coastal Zone Research, CAS, China)	Fabrication of g-C <sub>3</sub> N <sub>4</sub> /AuNP nanocomposites modified electrode for electrocatalytic reduction of iron
<b>P-203</b>	<b>Xiao JIE</b> (Gamry Instruments Consulting (Shanghai) Co. Ltd)	Research on dye solar cells - a brief introduction to Gamry Instruments' IMPS/IMVS setup
<b>P-204</b>	<b>Rui DING</b> , Tiantian LIU, Zhenyu LUO, Tiantian HU, Zengpeng LI, and Enhui LIU* (Xiangtan University, China)	Graphitic clew-like porous nanocarbon for supercapacitors
<b>P-205</b>	Huan TANG, Zhouyang LI, Yanbo ZENG*, Hong HUANG, and <b>Lei LI</b> (Jiaxing University, China)	Electrochemical sensor for 1-naphthylamine based on a novel composite of cyclodextrin-graphene and molecularly imprinted poly(vinylferrocene)
<b>P-206</b>	En HAN, Yuanyuan ZHANG, <b>Xia LI</b> , and Jianrong CAI (Jiangsu University, China)	Sensitive electrochemical monitoring of benzoic acid using tyrosinase/carbon nanosphere modified glassy carbon electrode
<b>P-207</b>	En HAN, Xia LI, <b>Yuanyuan ZHANG</b> , and Jianrong CAI (Jiangsu University, China)	Metal ion functionalized poly (styrene-co-acrylic acid) nanocomposites: step-wise self-assembly, characterization, and applications for electrochemical detection of Staphylococcus aureus in food
<b>P-208</b>	<b>En HAN</b> , Xia LI, and Jianrong CAI (Jiangsu University, China)	Label-free electrochemical immunosensor based on self-assembled gold nanorods modified electrode for sensitive detection of Staphylococcus aureus in milk
<b>P-209</b>	<b>Shouhui CHEN</b> , Yonghai SONG, and Li WANG (Jiangxi Normal University, China)	Synthesis of porous carbon spheres doped with Fe/Fe <sub>3</sub> C with enhanced performance for lithium-ion batteries anode
<b>P-210</b>	<b>Zhanhong LI</b> , Xincheng JIANG, Xueling ZHAO, Cheng CHEN, and Zhigang ZHU (Shanghai Second Polytechnic University, China)	A nonenzymatic glucose sensor based on a palladium-copper-multiwall carbon nanotube nanocomposite modified glassy carbon electrode
<b>P-211</b>	Lingshan GONG, Yilin LI, Huixiang YAN, Shupe ZHANG, Qingrong ZHANG, Guifang XU, and <b>Hong DAI</b> (Assoc. Prof. Fujian Normal University, China)	Excellent graphitic carbon nitride nanosheets-based photoelectrochemical platform motivated by schottky barrier and LSPR effect and its sensing application
<b>P-212</b>	<b>Jianguo WANG</b> (Assoc. Prof., Qinghai University, China)	The impact on electrical parameters about chemical composition of the lead-zinc ore in Chazangcuo region, Tibet
<b>P-213</b>	<b>Zhengzhi YIN</b> , Libin XU, Jian ZHANG, Yanbo ZENG, and Lei LI (Assoc. Prof., Jiaxing University, China)	Preparation and application of sunset yellow imprinted multi-walled carbon nanotubes@polydopamine composite coated electrodes
<b>P-214</b>	Xin ZHANG, Jie ZHOU, Yupeng HE, Mingxiang FANG, and <b>Guizheng ZOU</b> (Assoc. Prof., Shandong University, China)	Towards signal-amplification-free single molecule immunoassay with the electrochemiluminescence from dual-stabilizers-capped CdSe nanocrystals
<b>P-215</b>	<b>Aiping LIU</b> , Ming ZHAO, Panju XU, and Guodong QIAN (Assoc. Prof., Zhejiang Sci-Tech University, China)	GO/rGO microelectrode arrays with adjustable electrochemical activity and biocompatibility for highly sensitive detection of hydrogen peroxide released by living cells

<b>P-217</b>	Si ZHANG, Na HUANG, Liuqing YANG, <b>Meiling LIU</b> , Haitao LI, Youyu ZHANG*, and Shouzhuo YAO (Assoc. Prof., Hunan Normal University, China)	Construction of Multifunctional electrochemical detection platforms based on the Michael addition/Schiff base reaction of polydopamine modified reduced graphene oxide
<b>P-218</b>	Cuicui SHA, Yuejuan FAN, Jieke CHENG, and <b>Han CHENG</b> (Assoc. Prof., South-Central University for Nationalities, China)	Carbon fiber nanoelectrodes applied to microchip electrophoresis amperometric detection of neurotransmitter dopamine in single rat pheochromocytoma cells
<b>P-219</b>	Saidan XIE, Feng WANG, and <b>Yang LIU</b> (Assoc. Prof., Tsinghua University, China)	Signal amplification electrogenerated chemiluminescence biosensor for galactosyltransferases activity analysis on graphite-like C <sub>3</sub> N <sub>4</sub> nanosheet interface
<b>P-220</b>	Hongding ZHANG, Ying CHEN, <b>Haibo WANG</b> , and Yanming LIU (Assoc. Prof., Xinyang Normal University, China)	Electrochemical theophylline sensor based on tungsten disulfide nano-flowers/silver nanoparticles composites
<b>P-221</b>	<b>Dirong GONG</b> , and Xiaoyu JIA (Assoc. Prof., Ningbo university, China)	Synthesis of inorganic-organic hybrid materials for the fast preconcentration and speciation of mercury
<b>P-222</b>	Shujun DONG, Jingjing TONG, and <b>Juan LI</b> (Assoc. Prof., Yangzhou University, China)	Cylinder-shaped TiO <sub>2</sub> nanorod-based novel electrochemical glucose biosensor
<b>P-223</b>	<b>Chuanguo SHI</b> , Ning BAO, and Haiying GU* (Assoc. Prof., Nantong University, China)	Layer-by-layer self-assembled hemoglobin/MWCNTs multilayer films and its sensing application
<b>P-224</b>	<b>Guocheng YANG</b> , Lili LI, Shuang WANG, Tingting ZHOU, Chunyan ZHANG, Boyu YANG, and Cong WU (Assoc. Prof., Changchun University of Technology, China)	Electrospun nanofibers-based electrochemical sensor
<b>P-226</b>	<b>Lixue ZHANG</b> , Meng LIU, Ru LIU, and Guanglei CUI* (Assoc. Prof., Qingdao Institute of Bioenergy and Bioprocess Technology, CAS, China)	Fabrication of TiN electrocatalysts on carbon nanotubes by atomic layer deposition for oxygen reduction reaction
<b>P-227</b>	Jinyan WANG, Rui LIN, Jianyong Li, Wangping DENG, Ruili WANG, Shiping SONG, Chunhai FAN, Hongbin SONG, and <b>Rongzhang HAO</b> (Assoc. Prof., Institute of Disease Control and Prevention, Academy of Military Medical Sciences, China)	An electrochemical immuno-sensor based on screen-printed carbon electrode for the detection of influenza virus
<b>P-228</b>	Pengjuan WANG, <b>Ying WAN</b> , and Xiaolei ZUO* (Assoc. Prof., Nanjing University of Science and Technology, China)	Ultrasensitive electrochemical DNA sensor based on nanoprobe and surface-initiated enzymatic polymerization
<b>P-229</b>	Rui YUAN, Shijia DING, Yurong YAN, and <b>Wei CHENG</b> (Assoc. Prof., Chongqing Medical University, China)	A facile and pragmatic electrochemical biosensing strategy for ultrasensitive detection of DNA in real sample based on defective t junction induced transcription amplification
<b>P-230</b>	Meiling LIAN, Yufei GONG, <b>Xu CHEN</b> , and Wensheng YANG (Prof., Beijing University of Chemical Technology, China)	Self-assembled peptide nanotubes-chitosan composite as a platform for electrochemical cytosensing

P-231	Yue TAN, Xiaofeng WEI, Mengmeng ZHAO, <b>Zhenyu LIN</b> , and Guonan CHEN (Prof., Fuzhou University, China)	Homogeneous immobilization free electrochemical biosensor for DNA from oral cancer base on nicking endonuclease assisted target recycling amplification
P-232	<b>Man LI</b> , and Yan SHEN (HuaZhong University of Science and Technology, China)	Co <sub>4</sub> FeP nanosheet arrays supported on carbon cloth as an efficient electrocatalyst for hydrogen evolution reaction
P-233	<b>Xueping HU</b> , Dawei PAN*, Mingyue LIN, Haitao HAN, and Fei LI (Yantai Institute of Coastal Zone Research, CAS, China)	Rapid determination of lead in coastal sediment pore water on reduced graphene oxide-bismuth nanocomposites modified screen-printed electrode
P-235	<b>Ying DUAN</b> , Ye CHEN, Qing WEN, and Tigang DUAN (Harbin Engineering University, China)	Electrophoretic deposition insertion of carbon nanotube film for improving the electrocatalytic ability of Ti/Sb-SnO <sub>2</sub> electrode
P-236	Qiumei FENG, <b>Zhen LIU</b> , Hongyuan CHEN, and Jingjuan Xu (Nanjing University, China)	Paper-based electrochemiluminescence biosensor for cancer cell detection
P-237	<b>Haiwei SHI</b> , Meisheng WU, Zhen LIU, <b>Haijie LU</b> , Hongyuan CHEN, and Jingjuan Xu (Nanjing University, China)	ECL Biosensor on Bipolar Electrode for Determination of PSA
P-238	<b>Panpan DAI</b> , Jinyi LI, Tao YU, Jingjuan Xu, and Hongyuan CHEN (Nanjing University, China)	Nanocrystal-based electrochemiluminescence sensor for cancer cell detection with Au nanoparticles and isothermal circular double-assisted signal amplification
P-239	Huairong ZHANG, <b>Yinzhu WANG</b> , Qiumei FENG, Hongyuan CHEN, and Jing-Juan Xu (Nanjing University, China)	Color-switch electrochemiluminescence biosensing based on multichannel dual-bipolar electrode chip
P-240	<b>Hao HUANG*</b> , and Wenbo SONG (Jilin University, China)	High-quality phosphorus-doped MoS <sub>2</sub> ultrathin nanosheets with amenable ORR catalytic activity
P-241	<b>Ying MA</b> , Xiaotian TIAN, Sai LIAN, Zhiyong HUANG*, and Xiaomei CHEN* (Jimei University, China)	A molecularly imprinted tetracycline electrochemical sensor based on graphene oxide/gold nanoparticle/nafion composites modified glassy carbon electrode
P-242	<b>Shushu DING</b> , Sumei CAO, Anwei ZHU,* and Guoyue SHI* (East China Normal University, China)	Electrochemical impedance method for the recognition and distinction of multiple monosaccharide isomers based on chirality-driven wettability transformation at smart copolymer/graphene interface
P-243	<b>Enguang LV</b> , Jiawang DING, and Wei QIN* (Yantai Institute of Coastal Zone Research, CAS, China)	Potentiometric aptasensor for bisphenol A based on surface charge change
P-244	<b>Yinghui FENG</b> , Bo ZHAO, Linxuan LI, Kaikai TANG, Suyue WU, Guanda WANG, and Zhelin LIU* (Changchun University of Science and Technology, China)	Facile synthesis of Pd nanoparticles on reduced graphene oxide nanosheets with excellent electrocatalytic performance
P-245	<b>Linxuan LI</b> , Bo ZHAO, Yinghui FENG, Kaikai TANG, Guanda WANG, Suyue WU, and Zhelin LIU* (Changchun University of Science and Technology, China)	Facile preparation of Pt-Pd nanoparticles enhanced catalytic activity
P-246	<b>Yanling LIU</b> , Yanhong LIU, Xinwei ZHANG, Jiaquan XU, and Weihua HUANG* (Wuhan University, China)	Au-coated Ag nanowires network as transparent and stretchable electrochemical sensor

<b>P-247</b>	<b>Jing HAN</b> , Hongyan ZOU, and Chengzhi HUANG (Southwest University, China)	Plasmonic Cu <sub>2</sub> -xSe/g-C <sub>3</sub> N <sub>4</sub> heterojunctions as efficient visible-light photocatalyst
<b>P-248</b>	<b>Lijun SUN</b> , Qiumei FENG, Ning BAO*, and Haiying GU* (Nantong University, China)	Paper-based electroanalytical devices for determination phytohormones in situ
<b>P-249</b>	<b>Huixiang YAN</b> , Yilin LI, Lingshan GONG, Shupe ZHANG, Qingrong ZHANG, Guifang XU, and Hong DAI* (Fujian Normal University, China)	An electrochemical sensing platform structured with carbon nanohorns for detecting some food borne contaminants
<b>P-250</b>	<b>Yilin LI</b> , Huixiang YAN, Shupe ZHANG, Lingshan GONG, Qingrong ZHANG, Guifang XU, and Hong DAI* (Fujian Normal University, China)	Double-amplified photoelectrochemical response of hematin on carbon nanohorns superstructure support for ultrasensitive detection of roxarsone
<b>P-251</b>	<b>Shupe ZHANG</b> , Guifang XUa, Lingshan GONG, Yilin LI, Huixiang YAN, Qingrong ZHANG, and Hong DAI* (Fujian Normal University, China)	A ratiometric biosensor for metallothionein based on dual heterogeneous electrochemiluminescent responses from TiO <sub>2</sub> mesocrystals formed interface
<b>P-252</b>	<b>Qingrong ZHANG</b> , Huixiang YAN, Yilin LI Shupe ZHANG, Lingshan GONG, Guifang XU, and Hong DAI* (Fujian Normal University, China)	Amplified electrochemiluminescence of lucigenin triggered by electrochemically reduced graphene oxide and its sensitively detection for bisphenol A
<b>P-253</b>	<b>Lingshan GONG</b> , Yilin LI, Huixiang YAN, Shupe ZHANG, Qingrong ZHANG, Guifang XU, and Hong DAI* (Fujian Normal University, China)	Excellent graphitic carbon nitride nanosheets-based photoelectrochemical platform motivated by schottky barrier and Ispr effect and its sensing application
<b>P-254</b>	<b>Juan WANG</b> , Chengguo HU, and Shengshui HU (Wuhan University, China)	Multiplexed photoelectrochemical sensing of DNA at a single electrode by a light-addressable strategy
<b>P-255</b>	<b>Congli WANG</b> , Bassam SAIF, Jinyin GE, Tingting LI, Chuan DONG, and Shaomin SHUANG* (Shanxi University, China)	An ultra-sensitive sensor based on β-cyclodextrin modified magnetic graphene oxide for electrochemistry detection of tryptophan
<b>P-256</b>	<b>Tingxuan WU</b> , Qiong XUE, Zhiguang LIU, Chuan DONG*, and Yujing GUO* (Shanxi University, China)	SH-β-cyclodextrin functionalized graphene-gold nanoparticle hybrids with strong supramolecular capability for electrochemical detection of luteolin
<b>P-257</b>	<b>Hui SUN</b> , Kang DU, Xinxin XIAO, and Pengchao SI* (Shandong University, China)	The electrodeposited copper foam/MoS <sub>2</sub> electrode for high-performance lithium-ion batteries
<b>P-258</b>	Tong LIU, Yiqun LUO, and <b>Liang TAN</b> (Hunan Normal University, China)	Detection of copper ions and hydrogen peroxide based on Fenton-type reaction on dye polymer modified electrode
<b>P-259</b>	<b>Jungang WANG</b> , and Yitao LONG* (East China University of Science and Technology, China)	Plasmonic monitoring of electrochemical catalysis on single nanoparticle
<b>P-260</b>	<b>Le WANG</b> , Yuanyuan ZHANG, Chuansheng CHENG, Hui JIANG, and Xuemei WANG* (Southeast University, China)	A highly sensitive electrochemical biosensor for evaluation of oxidative stress based on effective nonenzymatic nanocatalysts
<b>P-261</b>	<b>Mingyue LIN</b> , Dawei PAN*, Xueping HU, Haitao HAN, and Fei LI (Yantai Institute of Coastal Zone Research, CAS, China)	Electrochemical measurement of Fe(II) at titanium carbide nanoparticles-Nafion/ Pt nanoflowers modified electrode
<b>P-262</b>	<b>Zhiguang LIU</b> , Yujing GUO*, and Chuan DONG* (Shanxi University, China)	Label-free electrochemical aptasensor for carcino-embryonic antigen based on ternary nanocomposite of gold nanoparticles, hemin and graphene

P-263	<b>Jiafeng WU</b> , Yonghai SONG, and Li WANG (Jiangxi Normal University, China)	Zn-Fe-ZIF-derived porous ZnFe <sub>2</sub> O <sub>4</sub> /C@NCNTs nanocomposites as anode for lithium-ion batteries
P-264	<b>Yue GU</b> , Xiaoyi YAN, Cong LI, Weilu LIU, Liu TANG, Bo ZHENG, Yaru LI, and Zhiquan ZHANG (Jilin University, China)	Others transition metal complex as nitroreductase mimetic and its application in metronidazole sensing
P-265	<b>Cong LI</b> , Yue GU, Xiaoyi YAN, Liu TANG, Bo ZHENG, Yaru LI, and Zhiquan ZHANG (Jilin University, China)	Electrochemical sensors based on graphene nanocomposites for the determination of phenol compounds with diols
P-266	<b>Yanping LUO</b> , Dekang HUANG, and Yan SHEN (Huazhong University of Science and Technology, China)	Electrochemically activated MoS <sub>2</sub> as a highly active electrocatalyst for hydrogen evolution reaction
P-267	<b>Jiabo WANG</b> , Qiuli WANG, and Guoying SUN* (Changchun University of Technology, China)	Preparation of Nickel/N-doped graphene-like carbon hybrid materials for electrocatalytic hydrogen evolution reaction research
P-268	<b>Wei HUANG</b> , Fangyuan DIAO, and Pengchao SI* (Shandong University, China)	Sulfur-infiltrated expanded graphite composites as cathode for lithium-sulfur batteries
P-269	<b>Man ZHANG</b> , Zhenzhong HUANG, Derong ZHAO, Xia LI, and Qiaohui GUO* (Jiangxi Normal University, China)	3D nitrogen-doped carbon nanotubes as an efficient electrocatalyst for oxygen reduction
P-270	<b>Yue WANG</b> , Zhiqiang ZHANG, Fei LIU, and Yong CUI (Assoc. Prof., University of Science and Technology Liaoning, China)	Tyrosinase-modified poly(thionine) coated glassy carbon electrode for amperometric determination of catechol
P-271	Yuting ZHANG, Qi Wang, Yaping DING, Dongmei DENG, and <b>Liqiang LUO</b> (Prof., Shanghai University, China)	Electrospun bimetallic Au-Ag/Co <sub>3</sub> O <sub>4</sub> nanofibers for detection of hydrogen peroxide released from human cancer cells
P-272	Yikun LI, Ting Yang, <b>Mingli CHEN</b> , and Jianhua WANG (Prof., Northeastern University, China)	Bio-functionalized composite MT@C-dot@SiO <sub>2</sub> for the selective adsorption of cadmium from water samples
P-273	Xinwei DONG, and <b>Yunxian PIAO</b> (Prof., Jilin University, China)	Ground Water Endocrine Disruptor Detection by using High Conductivity Graphite Nanoparticle Film Electrode
P-274	<b>Yang WU</b> (Tsinghua University, China)	Lasagna-like electrode by painting method for flexible thin film LIBs
P-275	<b>Shengyuan DENG</b> , Xubo JI, Peng XIN, Hongxin SONG, and Dan SHAN* (Prof., Nanjing University of Science and Technology, China)	Detection of Zinc Finger Protein (EGR1) Based on the Electrogenenerated Chemiluminescence of Nanoclay-Supported Porphyrin
P-276	Yong WANG, Shufang LI, Ying DONG, Jianhang QU, and <b>Jianying QU</b> (Prof., Henan University, China)	Simultaneous determination of hydroquinone and catechol using a new sensor based on ZnS/NiS@ZnS quantum dots
P-277	Shufang LIU, and <b>Changzhi ZHAO</b> (Prof., Qingdao University of Science & Technology, China)	Bile acid sensor based on photoelectrochemical response to NADH
P-278	Fengjie XU, Ruisi LIU, and <b>Zhiguo LIU</b> (Prof., Northeast Forestry University, China)	Recognition of Oxaliplatin-modified DNA by high-mobility-group proteins (HMG) studied by atomic force microscopy (AFM)

<b>P-279</b>	<b>Shu JIANG</b> , Yujing SUN, Haichao DAI, Jingting HU, Pengjuan NI, Yilin WANG, Zhen LI, and Zhuang LI (Changchun Institute of Applied Chemistry, CAS, China)	Nitrogen And Fluorine Dual-doped Mesoporous Graphene: High-performance Metal-free ORR Electrocatalyst With Superlow HO <sub>2</sub> <sup>-</sup> Yield
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# General Information

## *Plenary, Invited & Oral Lectures, Poster Presentations*

Plenary lectures are presented in the conference hall on the 7th floor (audio-video synchronization in 6040#) the Complex Building of the Changchun Institute of Applied Chemistry (CIAC). Keynote, Invited & Oral lectures are presented on the 7th, 6th, 5th and 4th floor in the Complex Building of CIAC.

The formal language of the symposium is English. Multimedia projectors (connected with a PC preinstalled with MS Office PowerPoint) were supplied by the organizing committee. You are encouraged to copy your files in advance to the computer supplied by the symposium and make sure it displays correctly.

Poster presentations will be presented in the lobby of the 4th, 5th and 6th floor in the Complex Building of the Changchun Institute of Applied Chemistry from 13:30-16:30 on August 14th and 15th, and please put on your poster before 13:30 and remove before 18:00. The size of poster should be 150 cm (height) × 90 cm (width) and can be mounted on the display board with adhesive bands, which will be provided at the lobby. Poster presentation should include the title, abstract, main text figures and/or tables, diagrams and conclusions. Please include your contact data (names, institute, address, phone, fax, e-mail). Use of color in the poster presentation makes visual communication more effective. Textual and graphic illustrations should be kept simple but effective. All poster lettering should be typewritten. Since your poster will be read at distance of a couple of meters, please use appropriate size lettering (The letter height of title, main text and other smallest symbols in figures and tables should be larger than 2.5 cm, 1.0 cm and 0.5 cm, respectively). Authors or their representative must be in attendance to set-up their display and be present in front of the poster.

About 20 excellent poster presentations will be voted and announced after the 15th- Invited & Oral lecture and each poster presentation will be awarded with the certificate as well as a prize of 1000.00 CNY.

Taxi fare from the airport to hotels is about 100 CNY (approx. 15 USD). Please ask for a receipt with the taxi registration number in case you require special assistance when you arrive at the hotel. Please show the note below to the driver. It would be helpful for you to take a taxi to the hotel for registration.

**Please Take Me To Redbuds Hotel.**

**THANKS!**

**(5688 Remin Street, Changchun)**

**请送我到紫荆花饭店。谢谢!**

**(人民大街 5688 号, 长春)**

Breakfast is included in your room expense (50 USD/each standard room/day) and served on the 1st floor at 7:00 in Redbuds Hotel. Tickets for lunch and supper, and the invitation letter for the banquet are contained in the congress bag, handed at the registration desk. Tickets are not refunded. Lunch and Supper on 13th are served on the 1st floor in Redbuds Hotel. Supper on 16th is served on the 1st and 3rd floor simultaneously in the Redbuds Hotel. Supper on 15th and Lunches on 14th, 15th and 16th are served in the Dining Hall on basement-1 in the Complex Building and Staff Dining Hall on 1st floor of Staff Dormitory (outside south gate) of CIAC. The meal times are indicated on the meal tickets. Banquet by CIAC on 14th is served on the 8th floor at 18:30 in Redbuds Hotel. Coffee break on 14th, 15th and 16th will be served in the lobby of 5th and 6th floor in Complex Building of CIAC.



Internet, swimming pool and gymnasium are free of charge during your stay in the hotel. Mini-bar in your bedroom and some supplements in your washing room are charged as price labeled. You may contact the hotel for opening the mini-bar as well as the local and long distance call and pay when you check out. According to the hotel regulation, the checkout time after 14:00 before 18:00 will be regarded as another half-day. CNY exchange is possible in this Hotel for most main currency. Other service you may contact with the front desk of the hotel.

#### *Photograph*

The group photo including all delegates will be taken in the morning of August 14th. Each delegate can receive one electronic group photo free from the website: <http://iseac2015.csp.escience.cn/dct/page/65562>

#### *Social Programs*

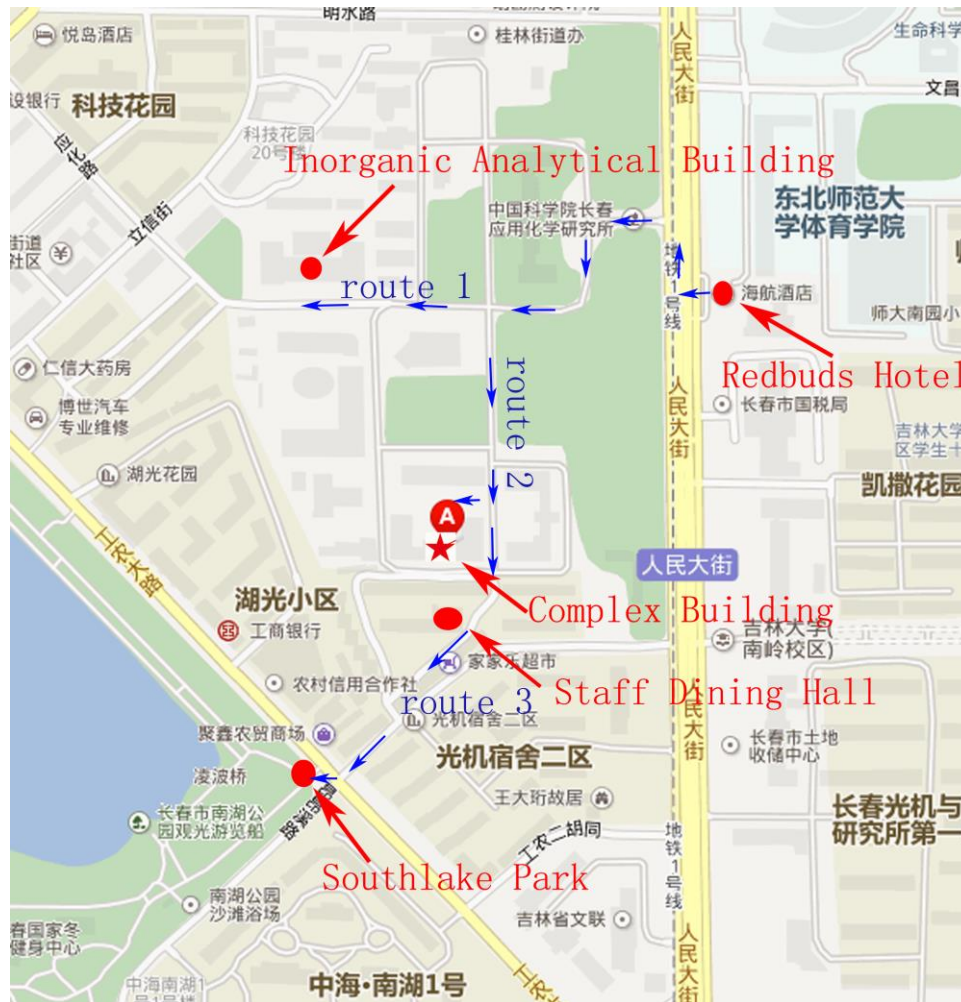
Banquet by CIAC on 14th is served on the 8th floor at 18:30 in Redbuds Hotel.

The two-day post symposium tour to Changbai Mountain costs 140.00 USD or 850.00 CNY including transportation, accommodations and arranged sightseeing for each person and you need to pay on the day of registration. Extra 45.00 USD or 260 CNY is needed if you do not want to share the room with another one. The bus will leave for the tour in the front of Redbuds Hotel at 6:00 on August 17th and be back for supper at 20:00 on August 18th. During the trip you need to check out hotel and you may leave your unnecessary bags at the front desk at the lobby of the hotel and take it when you are back. You can also check in again if you still stay in Changchun for another day.

#### *Registration Desk*

The registration is available from 8:00 to 21:00 on August 13th in the lobby of the first floor of the Redbuds Hotel. For other times you can contact with the Secretariat Office at room 803 (Tel: +86-431-85563333 ext. 8803). The registration fee to be paid on site is 150.00 USD for each participant. The registration fee includes programs, meals, coffee break, banquet, bag, etc.)

# MAPs



- Useful routes: 1. From Redbuds Hotel to Inorganic Analytical Building in CIAC,  
 2. From Redbuds Hotel to Complex Building in CIAC,  
 3. From Complex Building to Southlake Park.

Location of all the hotels and Complex Building in CIAC.

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