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Electrochemistry for Life Science and Bioanalysis

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Nanjing, China

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Table of Contents

Program

Sunday 30 March 2014, Morning

Huangpu Hall

8:30-9:00 **Opening Ceremony**

Chaired by: H.X. Ju

Opening Speech by L.-J. Wan

Welcome Speech by President of Nanjing Univeristy

Photograph

Chaired by: C. Amatore

09:00 to 09:40 Keynote page 34

Hubert Girault (LEPA, EPFL, Switzerland), Natalia Gasilova, Qiao Liang, Qiuliyang Liu, Baohong Liu, Elena Tobolkina, Xiaoqin Zhong

Electrotatic Spray Ionisation (ESTASI): Combining electrochemistry and mass spectrometry

09:40 to 10:20 Keynote page 32

Hong-Yuan Chen (School of Chemistry and Chemical Engineering, Nanjing University, Nanjing , China)

Biomolecular sensors based on functional nano-materials and their assembly

10:20 to 10:35

Coffee Break

Chaired by: Z.-Q. Tian

10:35 to 11:15 Keynote page 35

Shelley Minteer (Department of Chemistry, University of Utah, Salt Lake City, USA)

From Biofuel Cells to Self-Powered Biosensors

11:15 to 11:55 Keynote page 36

Li-Jun Wan (Institute of Chemistry, Chinese Academy of Sciences, Beijing, China)

Molecular Template, Programmable Molecular Self-Assembly and Possible Application for Bioanalysis

Sunday 30 March 2014, Afternoon

Bioelectrochemistry

Room 309

Chaired by: D. Leech and J. J. Zhu

14:00 to 14:20 page 58

Woonsup Shin (Department of Chemistry, Sogang University, Seoul, Korea)

Battery Powered Electroosmotic Pump and Its Applications

14:20 to 14:40 page 69

Jun-Jie Zhu (School of Chemistry and Chemical Engineering, Nanjing University, Nanjing, China), Tingting Zheng

Nanoarchitectured Electrochemical Biosensors for Sensitive and Selective Detection of Leukemia Cells and Cell-associated Biomarkers

14:40 to 15:00 page 53

Xiaoquan Lu (College of Chemistry & Chemical Engineering, Northwest Normal University, Lanzhou, China)

Kinetics Investigation of the Photoinduced Electron transfer at the Interfaces by SECM

15:00 to 15:20 page 38

Khalil Al-hatab (Mechanical Engineering, Sanaa University, Sanaa, Yemen), Mohammed Al-Bokhiti, Ulrich Krupp

Influences of the Pre-Heat Treatments on the Cyclic Oxidation Behavior of IN 617 Supperalloy

15:20 to 15:40 page 66

Ping Yu (Institute of Chemistry, Chinese Academy of Sciences, Beijing, China)

Tuning Ionic Interaction for Recognition Selectivity Improvement

15:40 to 16:00 page 45

Dongxue Han (Engineering Laboratory for Modern Analytical Techniques, Changchun Institute of Applied Chemistry, Changchun, China), Weiguang Ma, Li Niu, Tongshun Wu, Qixian Zhang

Chemically Converted Graphene: Functionalization and Nanocomposites

16:00 to 16:15

Coffee Break

Chaired by: W. Shin and Y.H. Shao

16:15 to 16:35 page 48

Donal Leech (Department of Chemistry, National University of Ireland Galway, Galway, Ireland), Paul Kavanagh, Rakesh Kumar, Peter O Conghaile, Isioma Osadebe

Power generation from glucose and oxygen by enzymatic fuel cells

16:35 to 16:55 page 40

Xi Chen (MOE Key Laboratory of Spectrochemical Analysis & Instrument, Xiamen University, Xiamen, China)

Synthesis of graphene-noble metal nanocomposition and their application in electroanalysis and electrocatalysis

16:55 to 17:15 page 57

Yuanhua Shao (College of Chemistry and Molecular Engineering, Peking University, Beijing, China), Ye Chen, Jing Gu, Yonghui Qiao, Xiaohong Yin, Xin Zhang, Xinyu Zhu

Glass Micro/Nanopipettes and Their Application in Analytical Chemistry

17:15 to 17:35 page 42

Jens Eipper (Department of Microsystems Engineering, University of Freiburg, Freiburg, Germany), Johannes Gescher, Sven Kerzenmacher, Nina-Joan Matschke, Katrin Richter, Sabine Sané

Using Crude Culture supernatant of *Escherichia coli* to Supply Copper Efflux Oxidase at a Biofuel Cell Cathode

17:35 to 17:55 page 62

Yasufumi Takahashi (Advanced Institute for Materials Research, Tohoku University, Sendai, Japan), Kosuke Ino, Yuri E. Korchev, Tomokazu Matsue, Yoshiharu Matsumae, Hitoshi Shiku

Development of Voltage Switching Mode Scanning Electrochemical Microscopy for Nanoscale Electrochemical Imaging

17:55 to 18:15 page 60

Bin Su (Department of Chemistry, Zhejiang University, Hangzhou, China), Yayun He, Yan Li, Linru Xu, Zhenyu Zhou

Simultaneous Recognition of Latent Fingerprints and Secretions in Human Perspiration by Electrochemiluminescence

Bioelectroanalytical Methods

Room 307

Chaired by: H. Girault and T.D. Chung

14:00 to 14:20 page

Taek Dong Chung (Department of Chemistry, Seoul National University, Seoul, Korea), Hyoungseon Choi, Chung Mu Kang

Microfluidic Ionics for Bioanalysis

14:20 to 14:40 page 76

Jinghong Li (Department of Chemistry, Tsinghua University, Beijing, China), Yang Liu

Multivalent Recognition and Signal Amplification Strategy for *in situ* Electrochemical Analysis of Cell Surface N-Glycan

14:40 to 15:00 page 81

Chunhai Fan (Division of Physical Biology and Bioimaging Center, Shanghai Institute of Applied Physics, Shanghai, China)

DNA Nanostructure-Based Biosensors and Effects

15:00 to 15:20 page 75

Yuwu Chi (Department of Chemistry, Fuzhou University, Fuzhou, China), Yingmei Chen, Lichan Chen, Guonan Chen, Xiaoting Zeng

Gold Nanoparticle-Graphene-like C3N4 Nanosheet Nanohybrids Used for Electrochemiluminescent Immunosensor

15:20 to 15:40 page 95

Aihua Liu (Laboratory for Biosensing, Qingdao Institute of Bioenergy & Bioprocess Technology, CAS, Qingdao, China)

Bacterial Cell Surface Displaying Enzymes: Construction, Characterization and Electrochemical Biosensing Applications

15:40 to 16:00 page 82

Jean Gamby (National Institute of Chemistry, CNRS, Paris, France), Mohammed Kechadi, Bernard Tribollet

Dynamic of bovine serum albumin adsorption onto photoablated polymer surface in microchip

16:00 to 16:15

Coffee Break

Chaired by: A. Nelson & X.J. Zhang

16:15 to 16:35 page 119

Xueji Zhang (Center for Bioengineering & Sensing Technology, University of Science & Technology Beijing, Beijing, China), Zongwie Wang

Stability Improvement of Prussian Blue in Neutral Solutions via an Electrochemical Post-treatment Method

16:35 to 16:55 page 85

Nicole Jaffrezic-Renault (Instute of Analytical Chemistry, Claude Bernard University Lyon 1, Villeurbanne, France), Joliette Coste, Sarra El Ichi, Abdelhamid Errachid, Chantal Fournier, Fanny Leon, Helene Marchandin, Ludivine Vossier

Microconductometric immunosensor for label-free and sensitive detection of Gram-negative bacteria

16:55 to 17:15 page 110

Yang Tian (Department of Chemistry, Tongji University, Shanghai, China)

Determination of Reactive Oxygen Species (ROS) and Beyond Based on Organic-inorganic Nanocomposites

17:15 to 17:35 page 120

Meining Zhang (Department of Chemistry, Renmin University of China, Beijing, China)

Quenching of the Electrochemiluminescence of Tris(2,2 Œ- bipyridine)ruthenium(II)/Tri-n-propylamine by Pristine Carbon Nanotube and Its Application to Quantitative Detection of DNA

17:35 to 17:55 page 121

Jinfang Zhi (Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, China), Jiuming Li, Jun Qian, Yuan Yu

A novel integrated biosensor based on co-immobilizing mediator and microorganism for water biotoxicity assay

17:55 to 18:15 page 71

Fethi Bedioui (Pharmacologie Chimique et Génétique et Imagerie, Chimie ParisTech CNRS 8151 INSERM 1022, Paris, France), Sophie Griveau, Fatemeh Razzaghi, Johanne Seguin

Enhancement of SECM imagery contrast of living cells at constant height

Monday 31 March 2014, Morning

Bioelectrochemistry

Room 309

Chaired by: E. Lojou & Y.T. Long

08:00 to 08:20 page 51

Elisabeth Lojou (Bioenergetic and Protein Engineering, CNRS-Aix-Marseille University, Marseille, France), Anne de Poulpiquet, Nicolas Mano, Roger Gadiou, Marie Thérèse Giudici-Orticoni, David Ranava

H_2 Production from Biomass for H_2/O_2 Biofuel Cells

08:20 to 08:40 page 52

Yitao Long (Key Lab of Advanced Materials, Department of Chemistry, East China University of Science and Technology, Shanghai, China), Xiao-Yuan Liu

Electrochemical Properties of bis-Ubiquinones

08:40 to 09:00 page 68

Xiaoqin Zhong (Chemical Sciences and Engineering, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland), Hubert Girault, Liang Qiao

Electrostatic Spray Ionization (ESTASI) Mass Spectrometry Imaging of Thin-Layer Chromatography

09:00 to 09:20 page 43

Marilia Goulart (Institute of Chemistry and Biotechnology, Universidade Federal de Alagoas, Maceio, Brazil), Bruno Cavalcanti, Leticia Costa-Lotufo, Eufranio Da Silva Jr., Fabiane de Abreu, Yen de Paiva, Fabricia Ferreira, Rita Nunomura, Claudia Pessoa, Antonio Santana, Camila Vasconcelos

Linking Electrochemistry, Cancer and Chagas'Disease: emphasis on Quinones and Phenols

09:20 to 09:40 page 67

Dongping Zhan (Department of Chemistry, Xiamen University, Xiamen, China), Yanxia Jiang, Shi-Gang Sun, Lexing You, Feng Zhao

The fat-soluble substance mediates electron transport in Shewanella Oneidensis MR-1

09:40 to 10:00 page 50

Wenpeng Li (Key Lab of Fine Chemicals in Universities of Shandong, Qilu University of Technology, Jinan, China), Wenjuan Wen

Screen Pd-Based Catalysts for Fuel Cells with Electrochemical Methods

10:00 to 10:15

Coffee Break

Chaired by: X.Q. Lu & L.H. Guo

10:15 to 10:35 page 44

Lianghong Guo (Research Center for Eco-Environmental Sciences, Chinese Academy of Science, Beijing, China), Qiyan Lv, Bin Wan, Yu Yang

Identification of Cellular Target of Perfluoroalkyl Acids by Protein Tyrosine Phosphatase Electrochemical Sensor

10:35 to 10:55 page 47

Ren Hu (Department of Chemistry, Xiamen University, Xiamen, China), Christian Amatore, Chang-Jian Lin, Bin Ren, Zhong-Qun Tian

Amperometry Detection of Catecholamine Exocytosis from Single PC12 cell Stimulated by Sodium Dodecyl Sulfate

10:55 to 11:15 page 56

Sana Sabahat (Department of Physics, COMSATS Institute of Information Technology, Islamabad, Pakistan), Zareen Akhter, Naveed Kausar Janjua

Electrochemistry-Investigation Tool for Functionalized Gold Nanoparticles

11:15 to 11:35 page 37

Safeer Ahmed (Department of Chemistry, Quaid-i-Azam University, Islamabad, Pakistan)

Electrochemical Generation and Investigation of Iodine Atom Free Radical Properties

11:35 to 11:55 page 55

Masoumeh Moradi (Surface Department, Ningbo Institute of Materials Technology and Engineering, Ningbo, China)

Electrochemical behavior of 2205 Duplex stainless steel in the presence of pseudoaltermonos sp

11:55 to 12:15 page 61

Chia-Liang Sun (Department of Chemical and Materials Engineering, Chang Gung University, Tao-Yuan, Taiwan), Po-Tuan Chen, Chun-Yi Chiu, Michitoshi Hayashi, Yuan-Han Huang, Jin-Ting Tsai

Synthesis of N-doped Graphene Oxide Nanoribbons for Oxygen Reduction Reactions

Bioelectroanalytical Methods

Room 307

Chaired by: N. J. Tao and C.M. Li

08:00 to 08:20 page 91

Chang Ming Li (Institute for Clean Energy & Advanced Materials, Southwest University, Chonqing, China)

Electrochemically sensing biomolecules in nanoscales

08:20 to 08:40 page 84

Emmanuel Iwuoha (SensorLab, University of Western Cape, Bellville, Cape Town, South Africa), Rachel Ajayi, Priscilla Baker, Usisipho Feleni, Christoph Gehring, Takalani Mulaudzi, Peter Ndangili, Unathi Sidwaba

Biosensing and Stress Signaling Electrochemical Dynamics of Hemolytic Monooxygenases

08:40 to 09:00 page 78

Hua Cui (Department of Chemistry, University of Science and Technology of China, Hefei, China), Lingfeng Gao, Yi He, Wen Shen, Yuqi Yu, Hongli Zhang

Chemiluminescent Functionalized Carbon Nanocomposites for Biosensors

09:00 to 09:20 page 106

Shiping Song (Division of Physical Biology, Shanghai Institute of Applied Physics, CAS, Shanghai, China)

Portable Immunosensors with Disposable Screen-printed Electrodes Based on Nano-assembly for Sensitive and Rapid Biodetection

09:20 to 09:40 page 99

Daniel Mandler (Institute of Chemistry, The Hebrew University of Jerusalem, Jerusalem, Israel), Tomer Noyhouzer, Ido Valdinger

Enhanced Potentiometry by Metallic Nanoparticles: Applications to Environmental and Biological Monitoring

09:40 to 10:00 page 83

Gaungming Huang (School of Chemistry and Materials Science, University of Science and Technology of China, Hefei, China), Gongyu Li, Jiying Pei

Electrochemistry in inductive electrospray ionization mass spectrometry for protein analysis

10:00 to 10:15

Coffee Break

Chaired by: C.H. Fan & C.-Z. Li

10:15 to 10:35 page 94

Chen-Zhong Li (Biomedical Engineering, Florida International University, Miami, USA), Pratikkumar Shah

Chip Based Biosensors for Single Cell Trapping and Analysis

10:35 to 10:55 page 96

Baohong Liu (Department of Chemistry, Fudan University, Shanghai, China), Jilie Kong, Lei Liao, Yun Liu, Jingjing Xiao, Huiying Xu, Lina Zhu

Electrochemical biosensing and electrocatalysis based on functional carbon matrix

10:55 to 11:15 page 103

Marcin Opallo (Department of Electrode Processes, Institute of Physical Chemistry PAS, Warszawa, Poland)

The electrooxidation of bioactive compounds in nanoparticles suspensions and nanoparticulate films

11:15 to 11:35 page 74

Zhuo Chen (State Key Laboratory of Chemo/Bio-Sensing and Chemometrics, Hunan University, Changsha, China)

Novel Carbon Nanomaterial Synthesis and its Electrochemical Applications

11:35 to 11:55 page 79

Zong Dai (School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou, China), Ting Cai, Xiaoyu Gao, Xiao Hu, Po Wang, Xiaoyong Zou

Electrochemical investigation of DNA methylation

Bioelectroanalytical Methods

Room 308

Chaired by: O. Arotiba & L. Niu

08:00 to 08:20 page 102

Li Niu (Engineering Laboratory for Modern Analytical Techniques, Changchun Institute of Applied Chemisty, Changchun, China), Xiandui Dong, Dongxue Han, Weiguang Ma, Nan Zhang

Progress in photoelectrochemical assay of antioxidants capacitance in foods

08:20 to 08:40 page 115

Jing-Juan Xu (Department of Chemistry, Nanjing University, Nanjing, China)

Bioanalysis Based on Electrochemiluminescence Energy Transfer

08:40 to 09:00 page 114

Qingji Xie (College of Chemistry and Chemical Engineering, Hunan Normal University, Changsha, China), Chao Chen, Yueming Tan, Wen Wang

Rapid electrodeposition of gold-Prussian blue nanocomposite of ultrahigh electroactivity for dual-potential amperometric biosensing of uric acid

09:00 to 09:20 page 122

Yongchun Zhu (Department of Chemistry, College of Chemistry and Life Sciences, Shenyang Normal University, Shenyang, China), Amin Bao, Ying Gao, Nan Xiao, Shigang Xin

The electrochemical catalytic behavior of pyrogallol at Tris (8-hydroxyquinoline) Aluminum modified carbon paste electrode and its detection in tomatoes

09:20 to 09:40 page 107

Dianping Tang (Department of Chemistry, Fuzhou University, Fuzhou, China), Libing Fu

Nanoparticle-Based Immunoassays and Immunosensors Exploiting Nanostructure Labels

09:40 to 10:00 page 86

Dechen Jiang (School of Chemisitry and Chemical Engineering, Nanjing University, Nanjing, China)

Luminol Electrochemiluminescence for the Analysis of Active Cholesterol at Plasma Membrane in Single Cells

10:00 to 10:15

Coffee Break

Chaired by: H. Cui & C.-X.Zhang

10:15 to 10:35 page 118

Chengxiao Zhang (School of Chemistry and Chemical Engineering, Shaanxi Normal University, Xian, China), Honglan Qi, Yaqin Wang

Electrogenerated Chemluminescence Biosensors for Biomarkers

10:35 to 10:55 page 73

Jinhua Chen (State Key Laboratory of Chemo/Biosensing and Chemometrics, Hunan University, Changsha, China)

Graphene as Nanocatalyst in an Electrochemical Aptasensor for Ultrasensitive Detection of Adenosine Triphosphate

10:55 to 11:15 page 89

Jianping Lei (School of Chemistry and Chemical Engineering, Nanjing University, Nanjing, China)

Novel Photoelectrochemical Biosensing Strategies Based on Biofunctionalized Quantum Dots

11:15 to 11:35 page 93

Meng Li (Institute of Mechanics, Chinese Academy of Sciences, Beijing, China), Jorge P. Correia, Gang Jin, Wei Liu, Ana C. Mourato, Yu Niu, Isabel M. Ornelas, Ana S. Viana

Electrochemical and Optical Combination Biosensor for Biochemical Oxygen Demand Measurement

11:35 to 11:55 page 108

Hao Tang (Chemistry and Chemical Engineering, Hunan University, Changsha, China), Jianhui Jiang, Qing Li, Yu Wang, Zhan Wu

Novel SERS Biosensors based on target-controlled assembly of Nanoparticles

Monday 31 March 2014, Afternoon

Bioelectrochemistry

Room 309

Chaired by: B.H. Liu & Y.H. Shao

14:00 to 14:20 page 46

Pingang He (Department of Chemistry, East China Normal University, Shanghai, China), Fan Zhang

Scanning electrochemical microscopy of DNA hybridization on DNA microarrays

14:20 to 14:40 page 49

Genxi Li (Department of Biochemistry, Nanjing University, Nanjing, China)

Detection of Cancer Cells and Tumor Marker Proteins with Electrochemical Technique

14:40 to 15:00 page 41

Adalgisa De Andrade (Department of Chemistry, Fac. Filosofia Ciências e letras de Ribeirão Preto- USP, Ribeirão Preto, Brazil), Lais B. Crepaldi, Sidney Aquino Neto, Valeria P. Barros, Franciane P. Cardoso, Sofia Nikolaou

Biocathode Preparation for Enzymatic Fuel Cells Using Laccase and Different Mediators

15:00 to 15:20 page 39

Jim Burgess (Department of Chemistry, Case Western Reserve University, Cleveland , USA), Monica Moreno, Xiaochun Yu

Microelectrode Analysis of Cell Plasma Membrane Cholesterol

15:20 to 15:40 page 65

Wenrong Yang (Center for Chemistry and Biotechnology, Deakin University, Highton, Australia)

Toward Electrochemical Detection of Single Molecules via Nanoparticle-Electrode Collisions

15:40 to 16:00 page 59

Alexandr Simonov (School of Chemistry, Monash University, Clayton, Australia), Alan Bond, Willo Grosse, Elena Mashkina, Simon Moulton, Gordon Wallace

New Insights into the Quantification of Kinetics of Electron Transfer for Surface-Confined Glucose Oxidase on the Basis of Voltammetric Analysis

16:00 to 16:20 page 63

Shuangyin Wang (Department of Chemistry, University, Changsha, China)

Doped Graphene as Efficient Metal-free Electrocatalyst for Oxygen Reduction Reaction

16:20 to 16:40 page 54

Stephen Nzioki Mailu (Department of Chemistry, University of the Western Cape, Cape Town, South Africa), Priscilla Baker, Emmanuel Iwuoha, Tesfaye Waryo

Development of Preferentially Oriented Pt(100) Nanoalloy Electrocatalysts for the Next Generation Fuel Cells

Bioelectroanalytical Methods

Room 307

Chaired by: L. Q. Mao & M. Oyama

14:00 to 14:20 page 117

Ruo Yuan (Chemistry and Chemical Engineering, Southwest University, Chongqing, China), Yaqin Chai

Study on the electrochemical biosensor and its clinical application

14:20 to 14:40 page 105

Shaomin Shuang (Department of Chemistry, Shanxi University, Taiyuan, China)

Highly Sensitive and Simultaneous Sensing of Pb(II) and Cd(II) with TiO2-Graphene Nanomaterials by Atomic Layer Deposition

14:40 to 15:00 page 97

Songqin Liu (School of Chemistry and Chemical Engineering, Southeast University, Nanjing, China), Lingling Xu, Liang Yuan

A Visualization Immunoassay Strategy via Dual-Amplification of Macroinitiator and Polymerization

15:00 to 15:20 page 80

Zhaoxiang Deng (Department of Chemistry, University of Science and Technology of China, Hefei, China)

Functional Nanoparticles: Synthesis, Bioconjugation and Electrochemistry

15:20 to 15:40 page 123

Xiaolei Zuo (Division of Physical Biology, Shanghai Institute of Applied Physics, Shanghai, China)

DNA Assembly Inspired Electrochemical Sandwich Assay

15:40 to 16:00 page 88

Hye Jin Lee (Chemistry, Kyungpook National University, Daegu, Korea), Seung Hee Baek, Md Nurul Karim, Hye Rim Kim

Gold Nanoparticle-enhanced Electrochemical Bioassays

16:00 to 16:20 page 111

Aliki Tsopela (LAAS, CNRS, Toulouse, France), Ricardo Izquierdo, Philippe Juneau, Adrian Laborde, Ahmet Lale, Jérôme Launay, Isabelle Seguy, Pierre Temple-Boyer

Microalgae Electrochemical Microbiosensor for Water Toxicity Analysis

16:20 to 16:40 page 87

Bakhtiar Khodavirdilo (Chemistry, Central Research Education Azarbay Jane Gharbi, Urmia, Iran)

PVC-based 7-Thio-8-oxoguanosine sensor for Pb(II)ions

Tuesday 1 April 2014, Morning

Huangpu Hall

Chaired by: H.-Y. Chen & A. Ewing

08:00 to 08:40 Keynote page 33

Andrew Ewing (Chemical and Biological Engineering, Gothenburg, Sweden)

In Vivo Electrochemistry in the Fruit Fly, Drosophila melanogaster

08:40 to 09:00 page 77

Serge Cosnier (Département de Chimie Moléculaire UMR CNRS 5250, Grenoble University, Grenoble, France)

Supercapacitors and biofuel cells based on functionalized carbon nanotubes

09:00 to 09:20 page 104

Munetaka Oyama (Department of Material Chemistry, Grad. School of Engineering, Kyoto University, Kyoto, Japan)

Some Trials for Fabricating Metal-Nanoparticle-Modified Electrodes

09:20 to 09:40 page 101

Andrew Nelson (School of Chemistry, University of Leeds, Leeds, United Kingdom), Andrey Brukhno, Shezi Mohmadi, Ashi Rashid, Alexandre Vakurov

Electrochemical Screening of Pharmaceuticals and Toxins for Drug Discovery

09:40 to 10:10

Coffee Break

Chaired by: S. Cosnier & X. R. Yang

10:10 to 10:30 page 116

Xiurong Yang (State key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Changchun, China)

Study of Biomolecular Interaction by Electrochemistry with Related Methods

10:30 to 10:50 page 100

Lanqun Mao (Institute of Chemistry, the Chinese Academy of Sciences, Beijing, China)

In Vivo Electroanalytical Chemistry

10:50 to 11:10 page 70

Omotayo Arotiba (Applied Chemistry, University of Johannesburg, Johannesburg, South Africa), Suru John, Bhekie Mamba, Sudheesh Shukla, Portia Tshikalaha

Poly(propylene imine) Dendrimer Platforms in Electrochemical Biosensors Design

11:10 to 11:30 Page 109

Nongjian Tao (Arizona State University, Arizona State University, Tempe, USA)

Plasmonic-Based Electrochemical Current and Impedance Imaging

11:40-11:55 **Closing Remark**

Chaired by: X.H. Xia

Poster Presentations

Bioelectrochemistry

s1-001

Xingxing Chen (Analytische Chemie - Elektroanalytik & Sensorik, Chemie und Biochemie, Bochum, Germany), Yvonne Beyl, Dmitrii Guschin, Zahma Kawah, Roland Ludwig, Wolfgang Schuhmann, Minling Shao, Leonard Stoica

Cellobiose Dehydrogenase Entrapped within Specifically Designed Os-complex Modified Electrodeposition Polymers as Potential Anodes for Biofuel Cells

s1-002

Fang Fang Cheng (School of Chemistry & Chemical Engineering, Nanjing University, Nanjing, China), Jing Jing Zhang, Jun-Jie Zhu

Pd-Pt Modified Graphene Promoted Enzymatic Redox Cycling for Ultrasensitive Electrochemical Quantification of MicroRNA

s1-003

Shengyuan Deng (School of Environmental and Biological Engineering, Nanjing University of Science and Technology, Nanjing, China), Dan Shan, Yuan Zhang

Hydrodynamic Electrochemiluminescence of Blue-Emitting Quantum Dot by Facily Ultrafast Bulk Chronopotentiometry and *In Situ* Phase Transfer

s1-004

Wangping Deng (Laboratory of Physical Biology, Shanghai Institute of Applied physics, Shanghai, China), Chunhai Fan, Zheng Feng, Wei Hu, Shiping Song, Bin Xu

Diagnosis of Schistosomiasis japonica with Interfacial Co-assembly-Based Multi-channel Electrochemical Immunosensor Arrays

s1-005

Jiu-Ju Feng (College of Chemistry and Life Science, Zhejiang Normal University, Jinhua, China), Jie-Ning Zheng

One-pot synthesis of graphene-supported bimetallic nanostructures for alcohol oxidation

s1-006

Donal Leech (Department of Chemistry, National University of Ireland Galway, Galway, Ireland), Partha Jana, Krishna Katuri, Paul Kavanagh, Amit Kumar, Piet Lens, Raghavulu Sapireddy

Electroactive microbial biofilms on electrodes: charge transport, catalysis, current & power

s1-007

Lu Lehui (State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Changchun, China), Ai Kelong

Simple and Scalable Preparation of Co-N-C Hybrid Materials with Enhanced Activity and Stability as Oxygen Reduction Electrocatalysts

s1-008

Zhongping Li (Institute of Environmental Science, Shanxi University, Taiyuan, China)

Determination of Methanol Oxidation Based on Pd NanoSensor

s1-009

Meihua Lin (Division of Physical Biology & Bioimaging Center, Shanghai Institute of Applied Physics,Chinese Academy of Science, Shanghai, China), Chunhai Fan, Zhilei Ge, Xiaolei Zuo

Hybridization Chain Reaction Amplification of MicroRNA Detection with a Tetrahedral DNA Nanostructure-Based Electrochemical Biosensor

s1-010

Dong Liu (Key Laboratory for Functional Materials, University of Science and Technology, Shanghai, China), Tianyan You

The preparation of electrospun nitrogen-doped carbon nanofibers and its application in oxygen reduction reaction

s1-011

Xiao-Yuan Liu (Department of Chemistry, East China University of Science and Technology, Shanghai, China), Yitao Long

Tuning the Electron Transfer Property of Bis-quinone by Linker and Solvent Medium

s1-012

Juan Luo (Department of Chemistry, Fudan University, Shanghai, China), Xueen Fang, Jilie Kong

Real-time Quantitative Differentiation of Bacteria by a Microfluidic Multiplex Electrochemical Loop-Mediated Isothermal Amplification Chip

s1-013

Saci Messaadi (Material science, Hadj-Lakhdar University, Batna, Algeria), Mosbah Daamouche, Hadria Medouer

Evolution of the Electrodeposited Ni-Fe Roughness Under the Potential Effect

s1-014

Dan Shan (School of Environmental and Biological Engineering, Nanjing University of Science and Technology, Nanjing, China), Shengyuan Deng, Ya Hui Liu, Ke Wang, Guang Yao Zhang

Copper Nanoparticles *in situ* Electrogenerated on the Chelating Electrode Based on Poly(pyrocatechol violet)/Single-Wall Carbon Nanotubes and Their Synergic Effect in the Non-Enzyme Sensing System

s1-015

Huai-Sheng Wang (Department of Chemistry, Liaocheng University, Liaocheng, China), Li-Ping Jia

Synthesis of ssDNA-functionalized graphene nanosheets decorated with Ag nanoparticles for H_2O_2 and glucose detection

s1-016

Weiguang Yang (Department of Electronic Information Materials, Shanghai University, Shanghai, China), Yajing Hu, Ying Tang, Yueyang Xu

Branched Anatase TiO_2 Nanorods– C Growth Mechanism and Its Application in Dye-Sensitized Solar Cells

s1-017

Huiqin Yao (Chemistry, Ningxia Medical University, Yinchuan, China), Hongyun Liu, Juan Peng, Keren Shi, Qianshun Yan

Thermo- and Sulfate-controllable Bioelectrocatalysis of Glucose Based on Horseradish Peroxidase and Glucose Oxidase Embedded in Poly(N,N-diethylacrylamide) Hydrogel Films

s1-018

Na Zhang (Shanghai Key Laboratory of Functional Materials Chemistry, East China University of Science and Technology, Shanghai, China), Yitao Long

The Evolution of Bulky Molecules in Electrochemical Progress

s1-019

Zhonghai Zhang (Department of Chemistry, East China Normal University, Shanghai, China)

Fabrication of photoelectrochemical biosensor based on hierarchical TiO_2 nanotube arrays

s1-020

Chengxiao Zhang (School of Chemistry and Chemical Engineering, Shaanxi Normal University, Xian, China), Honglan Qi, Dongdong Wang, Ying Zhao

Electrochemistry of Iridium Phenylpyridine Complexs

s1-021

Fangyuan Zhao (Faculty of Chemistry and Biochemistry, Ruhr University of Bochum, Bochum, Germany), Sascha Pöller, Nicolas Plumeré, Matthias Rögner, Wolfgang Schuhmann, Kirill Sliozberg

Enhanced Photocurrent Generation by Immobilizing Photosystem 1 within a Crosslinked Os-complex Modified Redox Hydrogel on a Cystamine Film Modified Electrode

Bioelectroanalytical Methods

s2-001

Chenxin Cai (Chemistry Department, Nanjing Normal University, Nanjing, China), Ping Wu, Hui Zhang

Signal Amplification of Graphene Oxide Combining with Restriction Endonuclease for Site-Specific Determination of DNA Methylation and Assay of Methyltransferase Activity

s2-002

Nuanapa Chaisuwan (College of Environmental Science and Engineering, Donghua University, Shanghai, China), Paweena Chaisuwan, Nuanapa Chaisuwan, Jianshe Liu, Jing Ping

Electrochemical immunoassay strategies for detection of Bovine Serum Albumin-17beta-estradiol

s2-003

Gaoli Chen (Department of Chemistry, University of Science and Technology of China, Hefei, China), Zhaoxiang Deng, Danfeng Qiu, Song Wang, Yuanqin Zheng

Electrochemical Detection of Single Nanoparticles: Discrimination of a Size Difference Down to 1-2 nm

s2-004

Shengyuan Deng (School of Environmental and Biological Engineering, Nanjing University of Science and Technology, Nanjing, China), Dan Shan, Tingting Zhang

Electrochemiluminescence Resonance Energy Transfer between Biobarcode-Templated Silver Nanoclusters and Quantum Dots for Ultrasensitive Immunoassay

s2-005

Joanna Dolinska (Department of Electrode Processes, Institute of Physical Chemistry PAS, Warsaw, Poland), Martin Jonsson-Niedziolka, Marcin Opallo, Kannan Palanisamy, Volodymyr Sashuk

The synergistic effect for non enzymatic electrooxidation of biologically important compounds

s2-006

Pablo Fanjul Bolado (R&D, DropSens S.L., Llanera, Spain), David Hernández Santos, Marta Maria Pereira da Silva Neves

HQDP/Ag^+: a New Alkaline Phosphatase Substrate for Electrochemical-based ELISAs

s2-007

Jiu-Ju Feng (College of Chemistry and Life Science, Zhejiang Normal University, Jinhua, China), Zhang-Ying Lv

Electrochemical Route to 3D Hierarchical Nanostructures for Catalysis and SERS Applications

s2-008

Rui Feng (Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Bei Jing, China), Lianghong Guo, Yiping Wu

Detection of Apurinic/apyrimidinic Sites by Photoelectrochemical Sensor

s2-009

Shengping Gao (State Key Laboratory of Bioelectronics, Southeast University, Nanjing, China), Xiao Chen, Donghua Chen, Hui Jiang, Qiwei Li, Xuemei Wang

Porous Pt-ZnO Nanotube Array Based Biosensor for Evaluation of Oxidative Stress of Tumor Cells Elicited by Hydrogen Peroxide

s2-010

Lingfeng Gao (Department of Chemistry, University of Science &Technology of China, Hefei, China), Hua Cui, Hongli Zhang

Chemiluminescence Biosensors for Small Biomolecules Based On Enzyme/Lucigenin/Graphene Oxide Nanocomposites

s2-011

Yingshu Guo (School of Chemistry and Chemical Engineering, Linyi University, Linyi City, China), Xueping Jia, Jia Liu, Guangxu Yang, Shusheng Zhang

Target Recycling Cycle Amplification Assay for Lysozyme Detection Based on Graphene Oxide

s2-012

Yujing Guo (Institute of Environmental Science, Shanxi University, Taiyuan, China)

Ionic Liquid-Graphene Hybrid Nanosheets Based Electrochemical Sensor for Ultrasensitive Detection of Methyl Parathion

s2-013

Ariel Guzmán-Vargas (Chemical Engineering, IPN-ESIQIE, Mexico, CITY, Mexico), Miguel García Chame, Enrique Lima, Pedro Luna Arias, María de Jesús Martínez-Ortiz, Miguel Angel Oliver

Effect of Size of Gold Nano-Particles in the Electrochemical Immunosensor for Actin

s2-014

Di Li (Division of Physical Biology, Shanghai Institute of Applied Physics, Shanghai, China), Kun Li, Weiwei Qin, Kun Wang

Nanoplasmonic-Antenna Mediated Indirect Monitoring of Catalytic Process on DNA-Assembled Single Core-Satellite Nanoprobe

s2-015

Xuemei Li (College of Chemistry and Chemical Engineering, Linyi University, Linyi, China)

A Simple and Highly Sensitive Electrochemical Detection of MicroRNA Based on Duplex-specific Nuclease Amplification

s2-016

Zhenhua Li (Laboratory of Physical Biology, Shanghai Institute of Applied Physics, Chinese Academy of Science, Shanghai, China), Shiping Song

Diagnosis of Total Prostate-Specific Antigen with Vacuum-Assembly-Based Multi-Channel Electrochemical Immunosensor Arrays

s2-017

Gang Liang (Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China), Lianghong Guo

Development of Screen-Printed Carbon Biosensor Array for High Throughput Detection of 8-oxodGuo

s2-018

Andrew Lin (Department of Chemical and Materials Engineering, Chang Gung University, Taoyuen, Taiwan), Trav Huang, William Lin

The study of electrode surface adsorbed analytes and solution phase analytes by using rotating disk electrodeand micro-electrode

s2-019

Lin Liu (College of Chemistry and Chemical Engineering, Anyang Normal University, Anyang, China), Dehua Deng, Sujuan Li, Ning Xia

Sandwich-type electrochemical aptasensor for detection of glycoproteins based on triple signal amplification of gold nanoparticles, enzyme and redox-cycling reaction

s2-020

Jiying Pei (School of Chemistry and Materials Science, University of Science and Technology of China, Hefei, China), Guangming Huang

Oxidation/Reduction during Electrospray Ionization: Solvent Effect

s2-021

Sana Sabahat (Department of Physics, COMSATS Institute of Information Technology, Islamabad, Pakistan), Zareen Akhter, Naveed Kausar Janjua

Electrochemical Quantification of Gold Nanoparticles

s2-022

Zhenlun Song (Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Ningbo, China), Shizuo Wang, Lijing Yang

Effect of Magnetic Field on the Electrochemical Behavior

s2-023

Yifeng Tu (Dept. of Chemistry, Soochow University, Suzhou, China)

A Novel Route of Preparing the Copolymerized Luminol/aniline Nano-rods for Application in Electrochemiluminescent Analysis

s2-024

Zonghua Wang (Department of Chemistry, Qingdao University, Qingdao, China), Feng Li, Yanhui Li, Jingquan Liu, Jianfei Xia, Lin Xia, Yanzhi Xia, Linhua Xia, Feifei Zhang

An Ionic Liquid Modified Graphene based Bovine Bemoglobin Molecular Imprinting Electrochemical Sensor for Specific Recognition of BHb

s2-025

Zonghua Wang (Department of Chemistry, Qingdao University, Qingdao , China), Qiuhuan Han, Yanhui Li, Jianfei Xia, Lin Xia, Yanzhi Xia, Linhua Xia, Feifei Zhang

A Novel Phosphomolybdic-Polypyrrole/Graphene Composite Modified Electrode for the Sensitive Determination of Folic Acid

s2-026

Yiping Wu (Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijng, China), Lianghong Guo, Bintian Zhang

A Novel Probe for Quantification of 8-OxodGuo Lesions in Double-Stranded DNA with an Electrochemiluminescence DNA Sensor

s2-027

Yuezhong Xian (Chemistry, East China Normal Universiy, Shanghai, China), Ningning Chen, Yuxiao Cheng, Xiaohong Wu, Kai Zhao

Simultaneous electrochemical detection 4, 4-methylene diphenylamine and aniline based on molecularly imprinted polymer grafted graphene

s2-028

Zhiai Xu (Department of Chemistry, East China Normal University, Shanghai, China), Ying Fu, Ping Geng, Kai Liu, Qianqian Sun, Meicheng Yang, Wen Zhang

Electrochemical Calmodulin Immunosensor Based on Gold-Silver-Graphene Hybrid Nanomateials and Gold Nanorods Labels

s2-029

Ming-Chen Xu (Department of Chemistry, Nanjing University, Nanjing, China)

Synthesis of Rubidium-Doped Few-Layer Graphene for Oxygen Reduction Reaction

s2-030

Huiying Xu (Department of Chemistry, Fudan University, Shanghai, China)

Cobalt Phthalocyanine/Nitrogen-doped Graphene Complex for Electroanalysis of Thiols

s2-031

Peixin Yuan (School of Environmental and Biological Engineering, Nanjing University of Science and Technology, Nanjing, China), Shengyuan Deng, Dan Shan

Bioinspired Carbon Nitride-Supported Cobalt Porphyrin as Nonprecious Oxygen Reduction Catalyst for Electrochemiluminescent Determination of Sequence-Encoding Hemagglutinin of Avian Influenza Virus

s2-032

Tingting Zheng (School of Chemistry & Chemical Engineering, Nanjing University, Nanjing, China), Jun-Jie Zhu

Multiplex Acute Leukemia Cytosensing Using Multifunctional Hybrid Electrochemical Nanoprobes at a Hierarchically Nanoarchitectured Electrode Interface

s2-033

Hong Zhou (College of Chemistry and Chemical Engineering, Linyi University, Linyi, China)

An Efficient IrSi@Ir Complex for Sensitive Electrochemiluminescence Cytosensing and Dynamic Evaluation of Cell Surface Carbohydrate Expression

s2-034

Xueqing Zhou (School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou, China), Zong Dai, Wenyuan Zhu, Xiaoyong Zou

A label-free and PCR-free electrochemical assay for multiplexed microRNA profiles by ligase chain reaction coupling with quantum dots barcodes

s2-035

Xinyu Zhu (College of Chemistry and Molecular Engineering, Peking University, Beijing, China)

A Novel Method to Fabrication of Metal Nanoelectrodes