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Author Spotlight

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Author spotlight



Fei Li (李菲)

Biography: Dr. Fei Li received her B.S. in Chemistry from Northwest University (China) in 2001, M.S. in Analytical Chemistry from Changchun Institute of Applied Chemistry, Chinese Academy of Sciences (China) in 2004, and Ph.D. in Electrochemistry from University of Warwick (U.K.) in 2008. During 2008-2010, she worked as a postdoctoral fellow at Ecole Polytechnique Federale de Lausanne (EPFL, Switzerland) and Temple University (U.S.A.), respectively. During 2016-2017, she was a visiting scholar of Tohoku University (Japan). Currently, she is a professor at Xi'an Jiaotong University. Her research focuses on single-cell electroanalysis and point-of-care testing biosensors. She also serves as an associate editor of ACS Electrochemistry, editor board member for Chinese Chemical Letters and Journal of Electrochemistry, and young editor board member for Journal of Analysis and Testing.

Research Interests:

Bioelectrochemistry; Single-cell electroanalysis; Electrochemical scanning probe microscopy; Point-of-care testing biosensors

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Yi-Ge Zhou (周一歌)

Biography: Dr. Yi-Ge Zhou received her B.S. and M.S. degrees in Chemistry from Nanjing University. She then continued her studies at the University of Oxford, where she ob-

tained her Ph.D. in Chemistry in 2013. Following this, she worked as a postdoctoral fellow at both the University of Toronto and Northwestern University in the USA. Currently, she is a professor at Hunan University. Her research focuses on single entity electrochemistry. She has been recognized by several awards and honors, including the International Society of Electrochemistry (ISE) Travel Award for Young Electrochemists. She serves as a Young Editor Board Member for Journal of Electrochemistry and Fundamental Research, Editor Board Member for Chinese Chemical Letters, and Advisory Board Member for ACS Sensors.

Research Interests:

Single entity impact electrochemistry; Scanning electrochemical cell microscopy (SECCM); Fluidized electrochemistry; Dip-pen Nanolithography

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Yi-Lun Ying (应佚伦)

Biography: Dr. Yi-Lun Ying studied chemistry and obtained Ph.D in Analytical Chemistry from East China University of Science and Technology (ECUST). After a doctoral exchange study in the University of Birmingham

(2014), Dr. Ying carried out her postdoctoral research on nanopore electrochemical biosensors at ECUST. Since 2016, she has started her independent work. In 2019, she was promoted to professor at Nanjing University. Prof. Ying's team currently focus on nanopore electrochemistry for single-molecule analysis, and developing intelligent nanopore instrumentations for sin-

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gle-molecule reactions. She has been recognized by several awards and honors, including the L' Oreal-UNESCO International Rising Talents (2016), RSC Analyst Emerging Investigator Lectureship (2020), Young Chemists Awards of Chinese Chemical Society (2020) and ACS Rising Star in Measurement Science (2023). She serves as a Young Editor Board Member for Journal of Electrochemistry, Editorial Board Member for ACS Sensors, ACS Measurement Science Au and ChemElectroChem, and Advisory Board Member for Analyst.

Research Interests:

Nanopore electrochemistry; Single-molecule detection; Single-molecule reaction, Ultra-sensitive electrochemical instrumentation

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Yong-Xin Li (李永新)

Biography: Dr. Yongxin Li is currently a full professor in College of Chemistry and Materials Science, Anhui Normal University, China. He obtained his Ph.D. degree in Analytical Chemistry from University of Science & Technology of China (USTC) in 2006. After graduated from USTC, he joined as a research associate for five years in Kansas State University, University of Washington and University of Wyoming, respectively. In 2011, he went back to Anhui Normal University as a full professor. His research is focused on fundamental electrochemistry, nanoelectrochemistry and single molecule/particle analysis. He has published more than 100 peer reviewed journal articles including top ranking journals such as JACS, Anal. Chem., Chem. Commun., Chem. Eur. J.

Research Interests:

Micro-/nano-sized electrodes; Nanoelectrochemistry; Fundamental electrochemistry; Single molecules/particles analysis; Chemiluminescence and electrochemiluminescence

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Yu Huang (黄羽)

Biography: Yu Huang is currently a professor at State Key Laboratory of Biogeology and Environmental Geology, Engineering Research Center of Nano-Geomaterials of Ministry of Education, Faculty of Materials Science and Chemistry, China University of Geosciences. She received her PhD degree (2013) from the Institute of Chemistry, Chinese Academy of Sciences, China, under the direction Prof. Yanlin Song. And then she went to The Pennsylvania State University, Prof. Tak Sing Wong's group for her postdoctoral training. She joined China University of Geosciences in 2018. Her scientific interest is focused on interfacial super-wettability, chemical and biosensors.

Principal Investigator of one General Program project funded by the National Natural Science Foundation of China (NSFC), one NSFC Youth Program project, and one Youth Exploration Program project supported by the Zhejiang Provincial Natural Science Foundation. Core contributor (ranked second) to one NSFC Major Program project, and (ranked third) to one Key Special Program under the Ministry of Science and Technology's National Key R&D Plan, as well as one Major Program project of the Zhejiang Provincial Natural Science Foundation.

Conducted long-term, in-depth research focused on the high-sensitivity detection of various environmental and biological targets at micro/nanostructure measurement interfaces. Published (including accepted) 50 SCI-indexed papers, with a total citation count exceeding 2,400. As first or corresponding author (including co-first authorship), contributed 34 papers (including accepted), including 1 in Natl. Sci. Rev., 1 in Chem. Soc. Rev., 1 in Adv. Mater., 1 in J. Am. Chem. Soc., 2 in Angew. Chem. Int. Ed., 1 in Adv. Mater., and so on. These publications have attracted significant attention from both domestic and international peers.

Research Interests:

Electrochemical analysis; Chemical sensing; Nanomaterials; On-site Detection; Emerging contaminants

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Wu Zhen (伍珍)

Biography: Wu Zhen, professor, doctoral supervisor, Hubei provincial talent, Deputy director of Chemistry Department. Her research interests include single-particle impact electrochemistry,

single-cell analysis, and electrochemical bio-

sensing. A series of electrochemical biosensors were constructed to achieve highly sensitive and specific detection of target objects, including disease markers, food and environmental contaminants, etc. She received Ph.D. in analytical chemistry from Wuhan University. She presided over one national natural science project (22274037) and one youth project (21904032), one Hubei Natural Science Foundation project (2022CFB383), Wuhan Exploration Program (2024040801020307) and two key laboratory open fund projects. She has published more than 30 papers in international journals such as *Anal. Chem.*, *Chem. Eng. J.*, *Biosens. Bioelectron.*, *ACS Sens.*, *ACS Appl. Mater. Interfaces*, etc. Her papers have been cited more than 1000 times by SCI journals.

Research Interests:

single-particle impact electrochemistry, single-cell analysis, and electrochemical biosensing

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