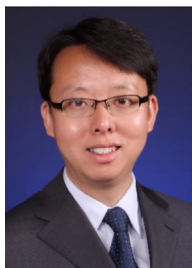


SPOTLIGHT

Author Spotlight



Renjie Chen (陈人杰)

Prof. Chen is a full professor, doctoral supervisor of Beijing Institute of Technology. He is the director of Innovation Center for Advanced Energy Materials and Smart Batteries of Advanced Technology Research Institute.

He is currently Deputy Secretary-General of the Chinese Materials Research Society, Secretary-General of Energy Conversion and Storage Materials Sub-Committee, Council Member of the Fast Ionic Conductor Sub-Committee of the Chinese Ceramic Society, Council Member of the International Academy of Electrochemical Energy Science (IAOES), Vice Chairman of the New Chemical Materials Professional Committee of the Chemical Industry and Engineering Society of China, Expert of National Battery Industry of China Battery Industry Association, Researcher of Collaborative Innovation Center for Electric Vehicle, editorial board member of “Energy Storage and Power Battery Technology and Application” series, “Materials China” and “Journal of Electrochemistry”, etc.

As PI, he has hosted projects of the National Natural Science Foundation of China, National Key R&D program, National High-tech 863 program, International Scientific and Technological cooperation, Major Achievement Transformation projects of the central universities in Beijing, Major Scientific and Technological projects of Beijing, etc. He has published more than 300 SCI-indexed papers on Chem. Rev., Chem. Soc. Rev., Natl. Sci. Rev., Adv. Mater. and Nat. Commun. etc. He has applied for 120 invention patents and received 60 authorizations, granted more than 10 software copyrights and published two academic monographs (“Advanced Battery Functional Electrolyte Materials” published by Science Press in 2020; “High Specific Energy Lithium Sulfur Secondary Battery Based on Multi-Electron Reaction Theory” published by Science Press in 2020). He has won one second prize of National Technological Invention Award and five first prizes of Ministerial Science and Technology Award. He has been

selected as Distinguished Professor of Changjiang Scholars Program of the Ministry of Education, Outstanding Young Scientist of Beijing Higher Education Institutions, Outstanding Young Scientist of Chinese Academy of Engineering and Fellow of the Royal Society of Chemistry.

Research Interests:

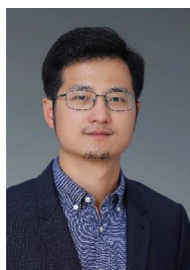
Prof Chen's research interests are in the fields of novel multi-electron secondary batteries and key energy materials, new ionic liquids and functional composite electrolyte materials, new thin film materials and structural devices for special power supplies, resourceful regeneration of green secondary batteries, the construction of new systems for high energy density and safety batteries, as well as the design and development of functional devices.

Admission Information:

Graduate students and postdoctoral fellows with Material Science and Engineering, Environmental Science and Engineering, Chemistry, Control Science and Engineering, Synthetic Biology, Information Science and Technology, Advanced Characterization and Testing Technology and other related disciplines and professional backgrounds, with solid basic knowledge and diligent efforts.

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Jia-Jia Chen (陈嘉嘉)

Prof. Jia-Jia Chen (ORCID: 0000-0003-1044-7079) received his B.Sc. and Ph.D. from the Department of Chemistry at Xiamen University in 2009 and 2014, respectively. Then he carried out his postdoctoral research at the University of

Glasgow (2015–2018). He started his independent research in the December of 2018 and built his own research team at Xiamen University.

Research Interests:

Prof. Chen's group research interests mainly include following two aspects:

1. The structural evolution and self-assembly of redox-active materials with multi-electron redox ability. His group has the ability to build in-operando spectroscopy techniques to reveal the self-

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assembly behaviors those clusters with multi-electron redox ability. This will in turn help us to design interesting materials rationally.

2. Functional electrolyte and the related physical electrochemistry in soluble and solid states. The metal-oxo clusters can exist in aqueous, nonaqueous and solid-state electrolytes/polymer electrolyte, which will play important roles on the solar/thermal/electrical-driven energy storage and conversion systems.

Admission Information:

Prof. Chen's group aims at recruiting 3–5 post-doctoral, 2 PhD students and 3–5 master students in physical chemistry, inorganic chemistry, energy chemistry, spectral analysis and other fields all year round.

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Zhong Jin (金钟)

Prof. Zhong Jin is a full professor at the School of Chemistry and Chemical Engineering at Nanjing University, and the Director of the Research and Development Center for Innovative Materials and Energy Technologies at Nanjing University. He earned his B.S. and Ph.D. degrees from Peking University in 2003 and 2008, respectively. He pursued postdoctoral studies at Rice University (2008–2010) and MIT (2010–2014). As an accomplished researcher in energy science, chemistry, and material engineering, Prof. Zhong Jin is recognized for his exceptional contributions to the

field of renewable energy systems. His research interests focus on the rational design, chemical synthesis, interfacial engineering, and mechanism studies of advanced organic/inorganic hybrid materials for energy conversion and storage devices, including secondary batteries, redox flow batteries, fuel cells, and photo-/electro-catalytic systems. He has published more than 210 peer-reviewed research papers with an H-index of 63 and more than 15,000 times cited by other researchers. He was recognized as a Clarivate Top 1% Global Highly Cited Researcher in Cross-Field (2021–2022), and an Elsevier Highly Cited Scholar of China (2021–2022). He was selected into the Science and Technology Innovation Leading Talents of National “Ten Thousand Talents” Program of China (2020), the Science Foundation for Excellent Young Scholars of NSFC (2020), and the National Overseas Young Talents Program of China (2014). He was awarded the National Natural Science Award (2nd Class, 2021), the Natural Science Award of MOE (1st Class, 2018), the Science and Technology Award of Jiangsu (2021), the Education Teaching and Research Achievement Award of Jiangsu (2018), and the Innovation and Pioneering Award Certificate of Jiangsu (2017). He is an Associate Editor of *Frontiers in Chemistry*, an Editorial Board Member of *Nanomaterials*, and also a Young Star Editor of *Nano Research*, *SmartMat*, *Chinese Chemical Letters*, and *Journal of Electrochemistry*.

Admission Information:

The research group of prof. Zhong Jin is recruiting associate researchers, postdocs, postgraduates and undergraduates. Young scholars and students who are interested in new energy and new materials research are most welcome to join us.

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