

Imperial College London
Department of Chemistry
[street]
[city], [state] [zip]
China

guanyj19@hotmail.com
Phone: +86-18809463020
Mobile: +86-18809463920
Fax: [fax]
Website: <https://yongji-guan.github.io/>

Yongji Guan, PhD

https://www.researchgate.net/profile/Yongji_Guan

Education

- Sep 2016 – Jun 2019* **Lanzhou University**
Doctor of Philosophy, Radio Physics
Lanzhou, Gansu, China
- Sep 2014 – Jun 2016* **Lanzhou University**
Master of Science, Radio Physics
Lanzhou, Gansu, China
- Sep 2010 – Jun 2014* **Lanzhou University**
Bachelor of Engineering, Communication Engineering
Lanzhou, Gansu, China

Thesis

Research Experience

- Oct 2019 – Sep 2021* **PostDoc Position**
Lanzhou University, School of Information Science and Engineering
Lanzhou, Gansu, China

International Postdoctoral Research Fellow
- Jul 2019 – present* **PostDoc Position**
Imperial College London, Department of Chemistry
London, England, United Kingdom

Postdoctoral Research Fellow

Statistics

RG Score 15.79

Publications 16
Reads 1,233
Citations 17

Awards & Grants

May 2019 Scholarship: The Lanzhou University International Postdoctoral Scholarship Fund
Dec 2018 Scholarship: Liu Bing Alumni Scholarship
Oct 2018 Scholarship: The First Prize Scholarship of Lanzhou University
Dec 2017 Award: The title of Merit Postgraduate of Lanzhou University
Oct 2017 Scholarship: The First Prize Scholarship of Lanzhou University
Oct 2016 Scholarship: The First Prize Scholarship of Lanzhou University
Oct 2015 Scholarship: The First Prize Scholarship of Lanzhou University
Oct 2014 Scholarship: The First Prize Scholarship of Lanzhou University

Skills & Activities

Skills Molecular Dynamics Simulation, Ionic Liquids, Energy Harvesting, Quantum Chemistry, Modeling and Simulation, Soft Matter, Density Functional Theory
Languages Chinese, English
Scientific Memberships The Royal Society of Chemistry
The American Chemical Society
Interests Chinese Go;
Badminton;
poetry;

Publication Highlights

[authors]: [title]. [details]

Books

Book Chapters

Journal Publications

Jinyuan Wang, Yongji Guan, Xiaogang Yu, Youzhi Cao, Jiazang Chen, Yilin Wang, Bin Hu, Huanwang Jing: *Photoelectrocatalytic Reduction of CO₂ to Paraffin Using p-n Heterojunctions*. 12/2019; 23(1):100768., DOI:10.1016/j.isci.2019.100768

Chao Du, Yongji Guan, Shimin Liu, Wenpeng Ni, Junjie Pei, Wei Zhang, Xiaoping Zhang, Y. F. Deng: *Highly Efficient and Non-Precious Metal for the Li-SOCl₂ Battery Using Nitrogen Doped Carbon Supported Cu Nanoparticles*. Journal of The Electrochemical Society 03/2019; 166(4):A641., DOI:10.1149/2.0701904jes

Fulong Yang, Jianhao Gong, E. Yang, Yongji Guan, Xiaodong He, Shimin Liu, Xiaoping Zhang, Youquan Deng: *Ultrabroadband metamaterial absorbers based on ionic liquids*. Applied Physics A 02/2019; 125(2)., DOI:10.1007/s00339-019-2443-x

Fulong Yang, Jiaohao Gong, E Yang, Yongji Guan, Xiaodong He, Shimin Liu, Xiaoping Zhang, Y. F. Deng: *Microwave-absorbing properties of room-temperature Ionic Liquids*. Journal of Physics D Applied Physics 01/2019; 52(15)., DOI:10.1088/1361-6463/ab016c

Yongji Guan, Wenqiong Chen, Jiao Zhang, Fulong Yang, Chao Du, Xiaoping Zhang, Y. F. Deng: *Ionic Liquid Filled Single-Walled Carbon Nanotubes for Flow-Induced Energy Harvesting*. The Journal of Physical Chemistry C 01/2019;., DOI:10.1021/acs.jpcc.8b11142

Yongji Guan, Qunfeng Shao, Wenqiong Chen, Zhang Jiao, Youquan Deng, Xiaoping Zhang: *Flow-induced Voltage Generation by Driving Imidazolium-Based Ionic Liquids over a Graphene Nano-Channel*. Journal of Materials Chemistry A 05/2018; 6(25)., DOI:10.1039/C8TA02629G

Wenqiong Chen, Yongji Guan, Xiaoping Zhang, Youquan Deng: *Influence of External Electric Field on Vibrational Spectrum of Imidazolium-Based Ionic Liquids Probed by Molecular Dynamics Simulation*. DOI:10.3866/PKU.WHXB201801091

Yongji Guan, Qunfeng Shao, Wenqiong Chen, Shimin Liu, Xiaoping Zhang, Youquan Deng: *Dynamic Three-Dimensional Nano-Wetting Behaviour of Imidazolium Based Ionic Liquids Probed by Molecular Dynamics Simulation*. The Journal of Physical Chemistry C 09/2017; 121(42)., DOI:10.1021/acs.jpcc.7b07474

Qunfeng Shao, Jingjing Jia, Yongji Guan, Xiaodong He, Xiaoping Zhang: *Flow-induced voltage generation by moving a nano-sized ionic liquids droplet over a graphene sheet: Molecular dynamics simulation*. The Journal of Chemical Physics 03/2016; 144(12):124703., DOI:10.1063/1.4944611

Patents

Conference Proceedings

Yongji Guan, Qunfeng Shao, Xiaoping Zhang, Youquan Deng: *Flow-induced Voltage Generation by Driving Imidazolium-Based Ionic Liquids over a Graphene Nano-Channel*. The 6th Asian Pacific Congress on Ionic Liquid & Green Processes (APCIL-6), Tottori, Japan; 10/2018

Yongji Guan, Qunfeng Shao, Xiaoping Zhang: *Probing Nano-Wettability of Hydrophilic/Hydrophobic Ionic Liquids Using Molecular Dynamics Simulation*. The 8th International Conference on Molecular Simulations and Informatics Technology Application (8th-ICMS&I), Dalian, China; 09/2016

Zhiyun Li, Zhinan Wang, Pengfei Cao, Yongji Guan, Lin Cheng, Linshan Chen: *Near infrared plasmonic optical trapping based on hybrid metal nanorod*. 2016 Progress in Electromagnetic Research Symposium (PIERS); 08/2016, DOI:10.1109/PIERS.2016.7734436

Technical Reports