

Special Issue on the 130th Anniversary of Wuhan University

Submission deadline: 31st August, 2023

Illustrations: This special issue is to celebrate on the 130th Anniversary of Wuhan University. It seeks to report on the latest top-quality research of Wuhan University in the fields of optics, photonics, optoelectronics, and related fields, including basic, applied, and engineering research.

Brief introduction of Wuhan University:

The history of Wuhan University (WHU) can be traced back to Ziqiang Institute, which was founded in 1893, and it was finally named Wuhan University in 1949. It is also one of the "211 Project" and "985 Project" universities with full support in the construction and development from the central and local government of China.

For the past century, Wuhan University has cultivated more than 300 thousand professional talents in various occupations, among whom there are over 100 members of the Chinese Academy of Science and the Chinese Academy of Engineering. They have made great contribution to the national construction and social advancement. The remarkable achievements of Wuhan University have won itself an extensive international reputation. In 1999, *Science* listed Wuhan University as one of the most prominent institutions of higher education in China.

Burgeoning are the international exchanges and cooperation of Wuhan University in recent years. It has established cooperative relationship with more than 310 universities and research institutes in over 53 countries and regions. Now, Wuhan University is endeavoring to shape itself into a world-class comprehensive research university domestically and internationally.

Guest editors:



Prof. Hongxing Xu

Hongxing Xu received his B.S. from Peking University, China, in 1992, and his Ph.D. from Chalmers University of Technology, Sweden, in 2002, both in physics. He then joined the Division of Solid State Physics at Lund University, Sweden, as an assistant professor until December 2004. From 2005 to 2014, he worked at Institute of Physics, Chinese Academy of Sciences as a professor. Then he joined Wuhan University as a professor till now. In 2017, he was elected as an academician of Chinese Academy of Sciences, and in 2018, he was elected as a fellow of The World Academy of Sciences. Known as one of the pioneers in single-molecule

surface-enhanced Raman spectroscopy (SERS) and plasmonics, he discovered the plasmonic nanogap effect for huge electromagnetic enhancement, which is the physical basis of single-molecule SERS and many other plasmon-enhanced optical processes, demonstrated the probing of sub-picometer vertical differential resolutions using nanogap plasmons, invented plasmonic logic gates and routers, and revealed the fundamental properties and mechanisms of plasmonic nanowire waveguides and networks. He has published more than 300 peer-reviewed papers with over 23, 000 citations and H-index 72 on Web of Science, given more than 80 invited presentations at international conferences, and organized more than 30 international conferences and workshops.



Prof. Peter Nordlander

Prof. Peter Nordlander obtained his PhD degree in Theoretical Physics at Chalmers University of Technology in Gothenburg in Sweden in 1985. He is Wiess Chair and Professor of Physics and Astronomy at Rice University, and Visiting Professor at Wuhan Universities. His research background is in theoretical condensed matter physics and nanophysics. His current research is focused on the theoretical and computational modeling of Plasmonics and Nanophotonics phenomena. He is an associate editor of ACS Nano. He is a fellow of APS, AAAS, SPIE, OSA, and MRS and is the recipient of the 1999 Charles Duncan Award for Outstanding Academic Achievement (Rice University), the 2013 Willis E. Lamb Award for Laser Science and Quantum Optics, the 2014 Frank Isakson Prize for Optical Effects in Solids, and the 2015 R.W. Wood Prize in Optics. He has published more than 400 refereed articles, given more than 400 invited presentations at international conferences and workshops, been cited more than 65,000 times with a Web of Science H-index 129, and is a Thomson Reuters Highly Cited Researcher in Physics, Chemistry, and Materials Science.



Prof. Zhen Li

Zhen Li received his BSc and PhD degrees from Wuhan University (WHU) in China in 1997 and 2002, respectively, under the supervision of Prof. Jingui Qin. In 2003–2004, he worked in the Hongkong University of Science and Technology as a Research Associate in the group of Prof. Ben Zhong Tang. In 2010, he worked in Georgia Institute of Technology in the group of Prof. Seth Marder. In 2014, he worked in National University of Singapore as a visiting professor for one month. He has been a full professor at WHU since 2006. He was granted the Distinguished Professor of Ministry of Education of Chang jiang Scholars, Fellow of the Royal Society of Chemistry (FRSC) and won National Science Funds

for Distinguished Young Scholar. His research interests are in the development of organic molecules and polymers with new structures and new functions for organic electronics and photonics. He has published over 200 SCI papers and has been cited more than 20000 times by others.



Prof. Xiangheng Xiao

Xiangheng Xiao obtained his B.S. degree in 2001 and Ph.D. degree in 2008 from Wuhan University. He is a professor in the School of Physics and Technology, Wuhan University. Prof. Xiao is the winner of National Science Funds for Distinguished Young Scholar and awarded the 2021 Nano Research Young Innovators (NR45). He is a member of editorial board for *Nuclear Analysis* and *ChemPhysMater*, youth editorial board for *Chinese Physics Letters*, *Chinese Physics B*, *Acta Physica Sinica*, *Physics* and *InfoMat*. His research field mainly focuses on ion-beam modification of optoelectronic functional materials for their devices and energy conversion applications, and beyond.

Please contribute your submission via <https://mts-lsa.nature.com/> and indicate that this submission is for Special Issue on the 130th Anniversary of Wuhan University in the cover letter. Contact LSA Editorial Office by light_lsa@ciomp.ac.cn.