

Lifeng Liu (Researcher ID: A-2522-2012, Orcid ID: 0000-0003-2732-7399) obtained his B. S. degree in Applied Physics from Beijing Jiaotong University (2001), and both his MS (2004) and PhD (2007) degrees in Condensed Matter Physics from the Institute of Physics, Chinese Academy of Sciences (IOP-CAS) under the supervision of Prof. Sishen Xie (Academicians of CAS and TWAS). He joined Max Planck Institute of Microstructure Physics – Halle (MPI-Halle), Germany in 2007, first working as a postdoctoral researcher under the supervision of the late Prof. Ulrich Goesele and Dr. Woo Lee, and then as a member of scientific staff. He started his independent research career in 2008 and became the head of group “Porous Alumina” in 2009. In 2011, he moved to the International Iberian Nanotechnology Laboratory (INL) and set up a research group there. Lifeng has been actively working on nanomaterials and nanostructures since 2002, with particular emphases on fabrication and characterization of complex nanostructures, nano-magnetism, nanoscale solid-state reactions, ferroelectric nanostructures and nano-electrocatalysts. His present interest is mainly focused on nanomaterials for renewable energy generation, storage, and conversion. So far, he has authored/co-authored more than 120 peer-reviewed papers in major international journals, which have been collectively cited >3900 times, leading to an h-index of 38 (Web of Science, as of Apr. 2017; Google Scholar: citations >4900 times; h-index: 41). In addition, Lifeng has delivered ca. 30 oral presentations at different international conferences/workshops/universities including 1 plenary talk, 2 keynote speeches, and 11 invited talks. Besides, Lifeng has offered extensive professional services to the community. He actively serves as a reviewer for 60+ scientific journals such as *Angew. Chem. Int. Ed.*, *J. Am. Chem. Soc.*, *Nature Commun.*, *Energy Environ. Sci.*, *Adv. Mater.*, *ACS Nano*, *Adv. Funct. Mater.*, *Small*, *Chem. Commun.*, etc., and for grant applications for several funding agencies from North America, Europe and Asia. He was a member of organizing/scientific committee of a number of national/international conferences. Since 2011, Lifeng has successfully secured internal and external research funds totaling over 1.2 million Euros. Honors and awards he got recently include: FCT Investigator Grant 2014, Young Researcher Award 2015 by the Portuguese Electrochemical Society, INL Award for Professional Services 2016, Prof. Ruldoph A Marcus Award 2017.