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He got his PhD in inorganic chemistry in Peking University, China. He worked as a postdoc in National Institute of Advanced Industrial Science and Technology, Japan from July of 2005 to March of 2009 and in Max-Planck-Institut für Kohlenforschung, Germany from April of 2009 to April of 2011. He has published 50 scientific papers at journals such as *Nano Energy*, *Journal of Materials Chemistry A*, *Nanotechnology*, *Journal of Physical Chemistry C*, with a total of over 870 citations (Scopus, *h*-index of 19). He has given more than 45 oral presentations in international conferences and academic visits and about 25 of them are invited talks or plenary ones. He contributes to organizing sessions for international conferences such as *American Chemical Society (ACS) National Meeting 2013 Fall (Indianapolis, USA)*, *U.S. National Congress on Theoretical and Applied Mechanics (USNCTAM2014, East Lansing, USA)*, *the 1st International Young Scientists Fusion Forum (2013, Chengdu, China)*, *2016 International Conference on Small Science (Prague, Czech)*, *2016 Macau Summit on Carbon and Energy Materials (Macau, China)*, *2017 International Conference on Environmental and Energy Engineering (Suzhou, China)*, *2018 International Conference on Nanoscience & Technology (New York, USA)*. He serves as reviewer for 30 scientific journals including *Nature Communications*, *Nano Energy*, *Journal of Materials Chemistry A*, *ACS Applied Materials & Interfaces*, etc. He also serves as editorial board member for 4 Journals including *Journal of Nanomaterials*, *Current Nanomaterials*, etc. Since 2011, he is an international grant-proposal reviewer for *Romanian National Research Council*.