



凝聚态物理前沿论坛

第六十四讲

题目: Developing Hybrid Nanostructures for Energy and Biomedical Applications

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报告人简介: Prof. Dongling Ma joined Institute national de la recherche scientifique (INRS) in 2006. Since then, she has been leading the Laboratory of Nanomaterials Synthesis, Characterization and Applications at the center of Energy, Materials and Telecommunications of INRS. Her research interest consists in the development of various nanoparticles (such as semiconductor quantum dots), 1-dimensional nanostructures (such as carbon nanotubes) and nanohybrids/nanocomposites (such as bimetallic core@shell nanoparticles) for applications in energy (e.g., solar cells), catalysis (including photocatalysis) and biomedical sectors. Concerning her recent work, since 2012 she has published >90 times on nanomaterials research in high quality journals (*J. Am. Chem. Soc.*, *Adv. Mater.*, *Adv. Energy Mater.*, *ACS Nano*, *Adv. Funct. Mater.*, *Energy Environ. Sci.*, *Chem. Mater.*, etc.). She has been invited to talk at prestigious international conferences (such as ACS, ECS & MRS) and universities, with ~90 invited talks since 2012 (not including those she declined). She serves as an Editorial Advisory Board member of *ACS Energy Lett.*, an Editorial Board member of *Sci. Rep.*, an associate editor of *Rev. Nanosci. Nanotech.*, and a panel / committee member for different funding agencies. She is an active Member of the UNESCO Chair in Materials and Technologies for Energy Conversion, Saving & Storage.

Before joining INRS, she was awarded Natural Sciences and Engineering Research Council (NSERC) Visiting Fellowships in 2004-2006 and had worked at the Steacie Institute for Molecular Sciences, National Research Council of Canada for about two and half years (Feb 2004- June 2006). With both B.Sc. degree (in Materials Science) and M.Sc. (in Polymer Materials Science) from Zhejiang University (China), she studied for her Ph.D. in Materials Science and Engineering at Rensselaer Polytechnic Institute in Troy, New York (Sep 2000-Jan 2004).

