Biography: Yong Chen received his Ph.D. in Condensed Matter Physics from the University of Montpellier in 1986. After three years at the Scuola Normale Superiorie di Pisa and Peking University, he joined the French National Centre for Scientific Research (CNRS) in 1990 and then became professor of the Ecole Normale Supérieure (ENS) in 2003. He is Research Director of CNRS (1<sup>st</sup> class) and Changjiang Chair Professor of Peking University. Over more than 30 years, he worked in different fields of nanosciences and nanotechnologies and published more than 400 papers in peerreview journals.