


Personal Information

Full name	Zhenyu Zhang	
Current position	Professor	
Organization	University of Science and Technology of China (USTC)	
Country	China	

Short Biography

Prof. Zhenyu Zhang received his B.S. degree from Wuhan University in 1982 and PhD degree from Rutgers University in 1989, both in physics. He was Distinguished Research Scientist in the Materials Science & Technology Division of Oak Ridge National Laboratory and Professor of Physics (Chair of Excellence) at the University of Tennessee, USA before joining USTC in January 2011. Since 2011, he has been a Qianren Chair Professor at USTC and serves as co-founding Director of the International Center for Quantum Design of Functional Materials (ICQD). His research interests lie in the fields of theoretical understanding of the formation, stability, properties, and potential applications of low-dimensional materials. His past research accomplishments include the formulation of the “quantum growth” concept in fabrication of low-dimensional metallic structures, and the development of kinetic Monte Carlo simulations in nonequilibrium growth. His most recent research emphases have been on quantum design of functional materials for clean energy and quantum information. He has authored/coauthored ~250 peer-reviewed papers, and has disseminated the research findings in over 300 invited/keynote/plenary talks and lectures at professional meetings and research institutions. He is a fellow of the American Physical Society, and has served or currently serves on the editorial boards of several professional journals (including serving as divisional associate editor of Physical Review Letters during 2005-2010).