

Bao, Wei

Renmin University of China

Citation: For neutron scattering studies of the magnetic structure and spin dynamics of highly correlated electron systems

Nominated by: Division of Condensed Matter Physics

Chang, Chia-Seng

Academia Sinica

Citation: For long lasting contribution in surface sciences and nanotechnology research, and innovative developments on scanning probe microscopy, UHV TEM-STM combined system for in-situ nanoscale observation and measurements, and the development of phase plate and wet cell for TEM for biological imaging

Nominated by: Topical Group on Instrument and Measurement Science

Chen, Gang

Massachusetts Institute of Technology

Citation: For pioneering contributions to the understanding of heat transfer at nanoscale and to the development of thermoelectric energy conversion technologies

Nominated by: Division of Materials Physics

Chen, Shi-Jie

University of Missouri, Columbia

Citation: For his pioneering contributions to physics-based theoretical and computational studies of structure, stability, folding kinetics and ion effects in Ribonucleic Acid (RNA) biology

Nominated by: Division of Biological Physics

Chi, Cheng-Chung

National Tsing Hua University

Citation: For studies of nonequilibrium superconductivity and quasiparticle dynamics using tunneling and ultrafast pulse experiments

Nominated by: Division of Condensed Matter Physics

Guo, Chunlei

University of Rochester

Citation: For pioneering contributions in laser-matter interactions and applications, including the discoveries of the black and colored metals and exploring their wide range of applications

Nominated by: Forum on Industrial and Applied Physics

Huang, Huan Z.

University of California, Los Angeles

Citation: For experimental measurements of strange hadrons, in particular hyperons, and quark number scaling in nucleus-nucleus collisions at RHIC

Nominated by: Division of Nuclear Physics

Jin, Kui-juan

No Company Provided

Citation: For her significant contribution in the crossing area of optics and condensed matter physics, including Fano resonance applying in some semiconductor systems, laser MBE growing and novel property revealing for perovskite oxide heterostructures, and for her important role as a leading card for women in physics

Nominated by: Forum on International Physics

Li, Christopher

Drexel University

Citation: For his outstanding contributions to the understanding of structure/property relationships of complex polymer-based, heterogeneous architectures

Nominated by: Division of Polymer Physics

Li, Derun

Lawrence Berkeley National Laboratory

Citation: For his tireless efforts to promote collaboration and cooperation on accelerator science and technology between the US and China and for his work towards the experimental demonstration of muon ionization cooling

Nominated by: Forum on International Physics

Lin, Jingyu

Texas Tech University

Citation: For her seminal contributions to our fundamental understanding of the electronic and optical properties of the group III-nitride semiconductors and her significant impact on the use of these materials for nanophotonic devices.

Nominated by: Division of Materials Physics

Lin, Robert P.

University of California, Berkeley

Citation: For fundamental contributions to solar, space plasma, and planetary physics. Many of his discoveries derive from his development of innovative detectors and instruments for low energy electrons in space and of novel x-ray and gamma-ray imaging spectrometers

Nominated by: Topical Group in Plasma Astrophysics

Liu, Kai

University of California, Davis

Citation: For contributions to the understanding of magnetoresistance effects, exchange bias, and magnetization reversal in magnetic nanostructures

Nominated by: Topical Group on Magnetism

Lu, Li

Chinese Academy of Science

Citation: For contributions to experimental studies of mesoscopic and nanoscale electronic materials, and for leadership in promoting international scientific collaborations

Nominated by: Forum on International Physics

Meng, Jie

Peking University

Citation: For his many important and continuing contributions in developing the Relativistic Mean Field theory into a predictive tool for nuclear structure research and for creating an active international hub at Beijing in this field

Nominated by: Forum on International Physics

Qi, Fei

University of Science & Technology of China

Citation: For his pioneering development of synchrotron-based combustion diagnostics, particularly used to study pyrolysis, oxidation and flame chemistry of various fuels

Nominated by: Division of Chemical Physics

Shi, Jing

University of California, Riverside

Citation: For his pioneering work in spin transport in organic semiconductors and organic molecules

Nominated by: Topical Group on Magnetism

Su, Qichang

Illinois State University

Citation: For his contributions to understanding the atomic ionization process under intense laser fields and his highly effective involvement of undergraduate students in this research work

Nominated by: Division of Atomic, Molecular & Optical Physics

Wang, Hongfei

Pacific Northwest National Laboratory

Citation: For seminal contributions to the development of surface nonlinear vibrational spectroscopy and to the understanding of molecular interaction and structure at interfaces

Nominated by: Division of Chemical Physics

Wang, Mu

Nanjing University

Citation: For his original contributions in understanding nonlinear phenomena in crystallization, exploration of opto-electric properties of self-organized metallic microstructures, and his tireless efforts in promoting international scientific exchange and

collaboration

Nominated by: Forum on International Physics

Wang, Nan Lin

Chinese Academy of Science

Citation: For contributions to the understanding of correlated electron systems, particularly iron-based superconductors

Nominated by: Division of Condensed Matter Physics

Wang, Shan X.

Stanford University

Citation: For seminal contributions to biomagnetics, nanomagnetics, and magnetic recording emphasizing fundamental physics and innovative applications of magnetic nanoparticles, spintronic sensors, and materials

Nominated by: Topical Group on Magnetism

Wang, Yun

University of Oklahoma

Citation: For her leadership in dark energy research, especially in developing a robust and consistent framework for analysing and interpreting cosmological data to place model-independent constraints on dark energy, and in optimizing the science return of planned space missions to probe dark energy

Nominated by: Division of Astrophysics

Wu, Zhen

Rutgers University

Citation: For innovative and insightful studies into surface interactions of spin-polarized atoms

Nominated by: Division of Atomic, Molecular & Optical Physics

Xiong, Peng

Florida State University

Citation: For contributions to the understanding of magnetotransport in nanostructured superconductors, ferromagnets, and their hybrids

Nominated by: Division of Condensed Matter Physics

Yang, Jihui

University of Washington

Citation: For pioneering studies of the design, synthesis and characterization of novel thermoelectric materials, and for leadership in their use in devices and systems for waste heat recovery applications

Nominated by: Forum on Industrial and Applied Physics

Zhang, Qiming

Pennsylvania State University

Citation: For his pioneering work in electroactive polymers in exploiting defect modifications to significantly enhance the performance of materials and in advancing

their application for energy conversion and energy storage

Nominated by: Division of Materials Physics

Zhang, Xiaoguang

Oak Ridge National Laboratory

Citation: For pioneering work in the development and application of the scattering theory and computational methods to materials studies, in particular to the study of electron transport in magnetic tunnel junctions

Nominated by: Division of Computational Physics

Zhao, Zhengguo

University of Science & Technology of China

Citation: For outstanding leadership in measuring hadronic cross sections and particle properties at the Beijing Electron Positron Collider and for important contributions to the detector construction and physics analysis of the ATLAS experiment at CERN

Nominated by: Division of Particles and Fields

Zhuang, Xiaowei

Harvard University

Citation: For her seminal contributions to the development of biophysical techniques involving super-resolution fluorescence microscopy and single molecule fluorescence resonance energy transfer, and her successful applications of these techniques to many critical biological problems

Nominated by: Division of Biological Physics