

New Academicians of the Chinese Academy of Sciences

The Chinese Academy of Sciences (CAS) elected several new academicians in December 2011. We congratulate all the new academicians and feature those who contribute to more regularly to *Angewandte Chemie* as authors and referees.

Yadong Li (Tsinghua University) received his bachelor's degree from the Department of Chemistry, Anhui Normal University in 1986, and received his PhD from the Department of Chemistry, University of Science and Technology of China, Hefei, in 1998 (supervised by Y. Qian). He joined the faculty of the Department of Chemistry, Tsinghua University as a full professor in 1999. His research interests include the structure-, size-, and morphology-controlled synthesis of monodisperse nanocrystals, as well as the properties and applications of nanomaterials, including catalysis and as electrode materials. He has reported on the synthesis of metal sulfide nanocrystals by a dispersion-decomposition route in *Chemistry—A European Journal*,^[1a] and he discusses the catalytic properties of shape-controlled nanocrystals in his forthcoming Minireview in *Angewandte Chemie*.^[1b]

Zhongfan Liu (Peking University) received his bachelor's degree from Changchun University of Technology and his master's degree from Yokohama National University (Japan). He received his PhD in physical chemistry from the University of Tokyo (Japan) in 1990. After postdoctoral work at the University of Tokyo and the Institute for Molecular Science (IMS, Japan), Liu was appointed associate professor at the College of Chemistry, Peking University in 1993. He is currently Cheung Kong Professor, College of Chemistry and Molecular Engineering, Director of the Center for Nano-scale Science and Technology (CNST), and Director of the Institute of Physical Chemistry at Peking University. He is a member of the Editorial Board of *Chemistry—An Asian Journal* and the Advisory Board of *Advanced Materials*. Liu's research is centered on the development of electronic devices based on materials such as single-walled carbon nanotubes and graphene. He has reported in *Angewandte Chemie* on Langmuir–Blodgett monolayer transistors^[2a] and the separation of metallic and semiconducting nanotube arrays.^[2b]

He Tian (East China University of Science and Technology (ECUST), Shanghai) received his PhD in 1989 from the ECUST. From 1991–1993, he carried out postdoctoral research supported by the Alexander von Humboldt Foundation with K. H. Drexhage in the Department of Chemistry at Siegen University (Germany). In 1999, he was appointed Cheung Kong Distinguished Professor by the Ministry of Education of China. In 2000, he spent four months as a visiting scholar with K.

Müllen at the Max Planck Institute for Polymer Research, Mainz (Germany). His current research interests include the syntheses of novel functional organic dyes and polymers, as well as the development of materials with determined electronic and optical properties. His recent publications in *Angewandte Chemie* include a Communication on color-tunable 2,2'-biindenyl-based fluorophores^[3a] and a Highlight on information processing at the molecular level.^[3b]

Chun-Hua Yan (Peking University) received his PhD from Peking University in 1988 under G.-X. Xu and B.-G. Li. He remained at the same institution as lecturer (1988), associate professor (1989), professor (1992), and Cheung Kong Professor (1999). He has been Director of the State Key Laboratory of Rare Earth Materials Chemistry and Applications since 1999, and has been Honorary Professor of Chemistry at The University of Hong Kong since 2005. Yan's research is focused on controlling the structures and microstructures, particle sizes and morphologies and particle-size distributions, and surfaces and interfaces of rare-earth functional materials, as well as the design and automation of optimized processes for rare-earth separation and materials fabrication. He has recently described the synthesis of monodisperse lanthanide oxysulfide ultrathin nanoplates^[4a] in *Angewandte Chemie* and has reported on self-organizing superlattices^[4b] in *Chemistry—A European Journal*.

Xueming Yang (Dalian Institute of Chemical Physics, CAS) received his bachelor's degree in physics from Zhejiang Normal University and his master's degree from the Dalian Institute of Chemical Physics, CAS. He completed his PhD in 1991 supervised by A. M. Wodtke at the University of California, Santa Barbara (USA), and was a postdoctoral researcher at Princeton University (USA) with G. Scoles (1991–1993), and the Lawrence Berkeley National Laboratories and Department of Chemistry, University of California at Berkeley (USA) with Y. T. Lee (1993–1995). He was associate fellow (1995) and fellow (2000) of the Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei (Taiwan), and adjunct professor, Department of Chemistry, National Tsing Hua University (Taiwan) from 1999–2003. He has been Fellow and Director, State Key Laboratory of Molecular Reaction Dynamics, Dalian Institute of Chemical Physics, CAS since 2001, and adjunct professor in the Department of Chemical Physics, University of Science and Technology of China, Hefei since 2003. Yang's research covers the kinetics and dynamics of chemical reactions, including unimolecular photodissociation and bimolecular reactions. He has reported on photofragmentation in Xe-pyrrole clusters in *ChemPhysChem*.^[5]

Elected ...



Y. Li



Z. Liu



H. Tian



C.-H. Yan



X. Yang



J. Zhao



R. Noyori

Jincai Zhao (Institute of Chemistry, CAS) was awarded his PhD in 1994 from Meisei University (Japan) under the supervision of H. Hidaka. From 1995–1999, he was professor at the Institute of Photographic Chemistry, CAS, and was appointed professor at the Institute of Chemistry, CAS, in 1999. He is also adjunct professor of Peking University and the Chinese University of Hong Kong. Zhao is on the Editorial Advisory Board of *ChemPhysChem* and the International Advisory Board of *ChemCatChem*. Zhao's research interests are in the photocatalytic degradation of organic pollutants and photochemical reaction processes of pollutants in the environment, and green photochemical synthesis. He has reported on the photocatalytic aerobic oxidation of alcohols on TiO_2 ^[6a] and the selective formation of imines by aerobic photocatalytic oxidation on TiO_2 ^[6b] in *Angewandte Chemie*.

Ryoji Noyori (Nagoya University and RIKEN, Saitama, Japan) was among the nine scientists elected CAS foreign academicians. Noyori studied at Kyoto University (Japan) and became an instructor there in 1963. He was awarded his PhD in 1967 supervised by H. Nozaki, and was appointed associate professor at Nagoya University in 1967. After postdoctoral work with E. J. Corey at Harvard University (USA) from 1969–1970, Noyori returned to Nagoya University and was appointed professor in 1972. Noyori's research interests are focused on molecular catalysis, in particular the development of asymmetric catalysis using chiral metal complexes. He was awarded the Nobel Prize for Chemistry in 2001 together with W. S. Knowles and K. B. Sharpless for his work on chirally catalyzed hydrogenation reactions. Noyori is Chairman of the Editorial Boards of *Chemistry—*

An Asian Journal and *Advanced Synthesis & Catalysis*. He recently reported on a one-pot nitrile aldolization/hydration^[7a] and asymmetric hydrogenation with chiral ruthenium complexes^[7b] in *Chemistry—An Asian Journal*.

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