

## New Members of the Chinese Academy of Sciences

Following a biennial schedule, in November 2019 the Chinese Academy of Sciences has admitted new members to its various sections. Ten scholars have been elected for the Chemistry division: **Chunhai Fan** (Shanghai Jiao Tong University)<sup>[1]</sup> and **Dawei Ma** (Shanghai Institute of Organic Chemistry)<sup>[2]</sup> who were present in this section only recently, **Lizhu Wu** (Technical Institute of Physics and Chemistry, Beijing) who is featured with her Author Profile<sup>[3]</sup> in this issue of *Angewandte Chemie*, and **Chunming Xu** (China University of Petroleum, Beijing) as well as the six scientists that are introduced in detail below.

**Xuesi Chen** (Changchun Institute of Applied Chemistry) studied at Jilin University and Changchun Institute of Applied Chemistry (CIAC), Chinese Academy of Sciences (CAS), and earned his Doctor's degree from Waseda University (Japan) in 1997 for work supervised by Tichida Eishun and Hiroyuki Nishide. After postdoctoral studies at University of Pennsylvania (USA), he joined the faculty at CIAC as a Professor in 1999. He was made Vice Director of the Academic Committees of the Key Laboratory of Polymer Ecomaterials, CAS (2009), and of CIAC, CAS (2012). Chen's research interests include the synthesis of Schiff base catalysts for ring-opening polymerization of lactides and other cyclic monomers, preparation of biodegradable polymers for biomedical applications, bone-fracture repair, drug and gene carriers, hydrogels, and industrialization of polylactide as green plastics. He recently published a Communication in *Advanced Materials* on a nanodrug-induced MMP9 amplification that boosts tumor-selective doxorubicin release.<sup>[4]</sup> Chen serves on the Advisory Boards of *Macromolecular Bioscience*, *Advanced Therapeutics*, and *Advanced Healthcare Materials*.

**Jinghong Li** (Tsinghua University, Beijing) studied at University of Science and Technology of China and earned his PhD at Changchun Institute of Applied Chemistry, CAS, for work supervised by Shaojun Dong in 1996. He moved to the USA where he had postdoctoral appointments with John Shapley at University of Illinois at Urbana-Champaign, John Kennedy at University of California, Santa Barbara, and Stephen Creager at Clemson University and worked as a Research Scientist for Evonyx Inc. (Hawthorne, NY; 2000–2001). Upon his return to China, he began his academic career as a Professor at Changchun Institute of Applied Chemistry and in 2004, he took up his present position as Professor in the Department of Chemistry at Tsinghua University. Li's research interests include electroanalytical chemistry and bioanalysis, nanoanalysis and bio-

sensing, as well as physical, interfacial, materials, and nanoscopic electrochemistry. In *Angewandte Chemie*, he recently published a Communication with back cover picture on the label-free imaging of cellular calcium signaling<sup>[5a]</sup> and a Minireview on nanotechnological control of cell-surface receptor clustering.<sup>[5b]</sup> Li is on the Executive Advisory Board of *Small Methods*.

**Jianlin Shi** (Shanghai Institute of Ceramics) studied at Nanjing University of Technology and at Shanghai Institute of Ceramics, CAS, where he finished his PhD under supervision of Dongsheng Yan in 1989. He stayed at Shanghai Institute of Ceramics until today, working on processing science and solid-state sintering theory of advanced ceramics for more than ten years, before he entered his current research field of mesoporous materials for catalysis and nanomedicine. Shi published a Research Article in *Angewandte Chemie* on photodynamic therapy with photosensitizer-containing cyanobacteria<sup>[6a]</sup> and a Communication on the crogenic exfoliation of magnesium.<sup>[6b]</sup>

**Jinlong Yang** (University of Science and Technology of China, Hefei) studied at Nanjing Normal University and at University of Science and Technology of China (USTC), where he finished his PhD in 1991 working with Kelin Wang. Subsequently, he became a Lecturer (1991) and Associate Professor (1993) at the Center for Fundamental Physics at USTC. He was promoted to Professor in 1996, and in 1997 he took up his current position at the Department of Chemical Physics of USTC. Yang spent time as a Visiting Scholar at Padova University and Cagliari University (Italy) and at Hong Kong University of Science and Technology. His field of research is theoretical and computational chemistry, focusing on the development of linear scaling electronic structure calculation methods, the design of conceptually new functional materials, and the characterization of single molecules on surface and nanosystems. Yang has reported on azide passivation of black phosphorus nanosheets<sup>[7]</sup> in a Communication in *Angewandte Chemie*.

**Shu-Hong Yu** (University of Science and Technology of China, Hefei)<sup>[8a]</sup> studied Chemistry at Hefei University of Technology and Shanghai Research Institute of Chemical Industry. He completed his PhD in Inorganic Chemistry in 1998 at University of Science and Technology of China (USTC; supervisor: Yitai Qian). Yu was a postdoctoral fellow with Masahiro Yoshimura in the Materials and Structures Laboratory, Tokyo Institute of Technology (TIT; Japan; 1999–2001), and with Markus Antonietti and Helmut Cölfen at Max Planck Institute of Colloids and Interfaces (Potsdam, Germany; 2001–2002). He was appointed Full Professor (in 2002) and Cheung Kong Professor (in 2006) in the Department of Chemistry at USTC. Yu

## Awarded ...



X. Chen



J. Li



J. Shi



J. Yang



S.-H. Yu



J. Zhang

headed a Partner Group of the Max Planck Society and the Chinese Academy of Sciences at USTC from 2005 to 2009; currently he is leading the Division of Nanomaterials & Chemistry, Hefei National Laboratory for Physical Sciences at Microscale, USTC. Yu's research interests include bioinspired synthesis of nanoscale building blocks, self-assembly and macroscopic assemblies, nanocomposites, and their functions and applications. He recently published a Communication in *Angewandte Chemie* on the synthesis of amorphous NiFeMo oxides for oxygen evolution catalysis.<sup>[8b]</sup> Yu is a member of the Advisory Boards of *ChemNanoMat* and *ChemPlusChem*.

**Jin Zhang** (Peking University, Beijing) finished his studies at Lanzhou University and earned his PhD in 1997 for work supervised by Hulin Li and Zhongfan Liu. From 1998 to 2000 he was a postdoctoral associate with J. Kirkham and D. A. Smith in the Department of Physics and Astronomy at Leeds University (UK). Upon his return to China in 2000, he became Associate Professor in the College of Chemistry and Molecular Engineering at Peking University, where he was promoted to Professor in 2006. Zhang's research focuses on the controlled synthesis and optical spectroscopy of carbon nanomaterials, including the chirality-controlled CVD growth of single-walled carbon nanotube arrays and the exploration of new carbon allotropes. In a Communication in *Angewandte Chemie*, Zhang identified the crystalline orientation of black phosphorus by means of angle-resolved polarized Raman spectroscopy.<sup>[9]</sup>

### And also in the News

The International Science and Technology Cooperation Award is the highest scientific honor bestowed upon foreign researchers by the People's Republic of China. Three chemists are among the ten winners for 2019: **Atta-ur-Rahman** (University of Karachi; Pakistan), **Martyn Poliakoff** (University of Nottingham; UK), and **R. Graham Cooks** (Purdue University; USA). Poliakoff was among the authors of a Guest Editorial in *Angewandte Chemie* on sustainability in chemistry,<sup>[10a]</sup> and his research on the photooxidation of fulvenes with CO<sub>2</sub> as a solvent was featured on the cover of *ChemPhotoChem*'s "Singlet Oxygen" Special Issue.<sup>[10b]</sup> Cooks<sup>[11a]</sup> recently presented high-

throughput bioassays using multiplexed electro-spray mass spectrometry in a Communication in *Angewandte Chemie*.<sup>[11b]</sup>

- [1] *Angew. Chem. Int. Ed.* **2019**, *58*, 4097; *Angew. Chem.* **2019**, *131*, 4139.
- [2] *Angew. Chem. Int. Ed.* **2018**, *57*, 10801; *Angew. Chem.* **2018**, *130*, 10963.
- [3] Author Profile: *Angew. Chem. Int. Ed.* **2020**, DOI: 10.1002/anie.201915130; *Angew. Chem.* **2020**, DOI: 10.1002/ange.201915130.
- [4] J. Jiang, N. Shen, T. Ci, Z. Tang, Z. Gu, G. Li, X. Chen, *Adv. Mater.* **2019**, *31*, 1904278.
- [5] a) J. Lu, J. Li, *Angew. Chem. Int. Ed.* **2015**, *54*, 13576; *Angew. Chem.* **2015**, *127*, 13780; b) K. Zhang, H. Gao, R. Deng, J. Li, *Angew. Chem. Int. Ed.* **2019**, *58*, 4790; *Angew. Chem.* **2019**, *131*, 4840.
- [6] a) M. Huo, L. Wang, L. Zhang, C. Wei, Y. Chen, J. Shi, *Angew. Chem. Int. Ed.* **2020**, *59*, 1906; *Angew. Chem.* **2020**, *132*, 1922; b) C. Zhang, Y. Xu, P. Lu, C. Wei, C. Zhu, H. Yao, F. Xu, J. Shi, *Angew. Chem. Int. Ed.* **2019**, *58*, 8814; *Angew. Chem.* **2019**, *131*, 8906.
- [7] Y. Liu, P. Gao, T. Zhang, X. Zhu, M. Zhang, M. Chen, P. Du, G.-W. Wang, H. Ji, J. Yang, S. Yang, *Angew. Chem. Int. Ed.* **2019**, *58*, 1479; *Angew. Chem.* **2019**, *131*, 1493.
- [8] a) Author Profile: *Angew. Chem. Int. Ed.* **2012**, *51*, 12402; *Angew. Chem.* **2012**, *124*, 12570; b) Y. Duan, Z.-Y. Yu, S.-J. Hu, X.-S. Zheng, C.-T. Zhang, H.-H. Ding, B.-C. Hu, Q.-Q. Fu, Z.-L. Yu, X. Zheng, J.-F. Zhu, M.-R. Gao, S.-H. Yu, *Angew. Chem. Int. Ed.* **2019**, *58*, 15772; *Angew. Chem.* **2019**, *131*, 15919.
- [9] J. Wu, N. Mao, L. Xie, H. Xu, J. Zhang, *Angew. Chem. Int. Ed.* **2015**, *54*, 2366; *Angew. Chem.* **2015**, *127*, 2396.
- [10] a) Guest Editorial: M. Poliakoff, P. Licence, M. W. George, *Angew. Chem. Int. Ed.* **2018**, *57*, 12590; *Angew. Chem.* **2018**, *130*, 12770; b) L. Wu, D. S. Lee, H. Bouffroua, M. Poliakoff, M. W. George, *ChemPhotoChem* **2018**, *2*, 580.
- [11] a) Author Profile: *Angew. Chem. Int. Ed.* **2015**, *54*, 12544; *Angew. Chem.* **2015**, *127*, 12726; b) Z. Wei, Z. Xie, R. Kuvelkar, V. Shah, K. Bateman, D. G. McLaren, R. G. Cooks, *Angew. Chem. Int. Ed.* **2019**, *58*, 15772; *Angew. Chem.* **2019**, *131*, 15919.

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In this section, we report on various awards for chemists who are closely connected with *Angewandte Chemie* and its sister journals as authors, referees, or board members.

## News

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Sciences



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