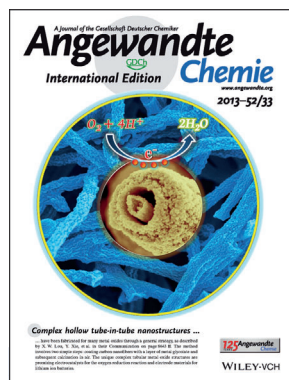




Y. Xie

The author presented on this page has recently published her **10th article** in *Angewandte Chemie* in the last 10 years:

“Mixed Transition-Metal Oxides: Design, Synthesis, and Energy-Related Applications”: C. Z. Yuan, H. B. Wu, Y. Xie, X. W. Lou, *Angew. Chem.* **2014**, 126, 1512–1530; *Angew. Chem. Int. Ed.* **2014**, 53, 1488–1504.



The work of Y. Xie has been featured on the back cover of *Angewandte Chemie*:

“General Formation of Complex Tubular Nanostructures of Metal Oxides for the Oxygen Reduction Reaction and Lithium-Ion Batteries”: G. Q. Zhang, B. Y. Xia, C. Xiao, L. Yu, X. Wang, Y. Xie, X. W. Lou, *Angew. Chem.* **2013**, 125, 8805–8809; *Angew. Chem. Int. Ed.* **2013**, 52, 8643–8647.

## Yi Xie

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**Education:** 1988 BS, Xiamen University  
 1996 PhD with Prof. Yitai Qian, University of Science and Technology of China  
 1997–1998 Postdoctoral fellow with Prof. Benjamin Chu, State University of New York at Stony Brook  
**Awards:** **2000** Cheung Kong Scholar, Ministry of Education, P.R. China; **2002** China Young Scientist Award; **2006** China Young Female Scientist Award; **2012** State Natural Science Award (Second Class), P.R. China; **2013** IUPAC Distinguished Women in Chemistry/Chemical Engineering Award; **2013** Member of the Chinese Academy of Sciences  
**Research:** Solid-state chemistry, nanotechnology, energy materials  
**Hobbies:** Reading, thinking, and writing

### My favorite saying is ... “the devil is in the detail”.

The principal aspects of my personality are ... modesty and optimism.

I get advice from ... my co-workers when I encounter difficulties.

The secret of being a successful scientist is ... to have creative ideas and to work hard to verify them.

What I appreciate most about my friends is ... their support and encouragement at the nadir of my career.

The natural talent I would like to be gifted with ... is eloquence.

My motto is ... “God rewards those who work hard”.

Chemistry is fun because ... it is all about how things change.

Young people should study chemistry because ... chemistry can accelerate the progress of the world.

The most significant scientific advance of the past 100 years was ... the invention of the laser.

If I could be anyone for a day, I would be ... Marie Curie.

The most important future applications of my research are ... energy storage and conversion.

### My 5 top papers:

1. “Pits confined in ultrathin cerium(IV) oxide for studying catalytic centers in carbon monoxide oxidation”: Y. F. Sun, Q. H. Liu, S. Gao, H. Cheng, F. C. Lei, Z. H. Sun, Y. Jiang, H. B. Su, S. Q. Wei, Y. Xie, *Nat. Commun.* **2013**, 4, 2899. (These atomically thin sheets are an excellent platform to study the role of active centers in catalysis.)
2. “Two-dimensional vanadyl phosphate ultrathin nanosheets for high energy density and flexible pseudocapacitors”: C. Z. Wu, X. L. Lu, L. L. Peng, K. Xu, X. Peng, J. L. Huang, G. H. Yu, Y. Xie, *Nat. Commun.* **2013**, 4, 2431. (This pseudocapacitor exhibits extremely high specific capacitance, high redox voltage (up to 1 V), long life cycle, and excellent flexibility.)
3. “Fabrication of flexible and freestanding zinc chalcogenide single layers”: Y. F. Sun, Z. H. Sun, S. Gao, H. Cheng, Q. H. Liu, J. Y. Piao, T. Yao, C. Z. Wu, S. L. Hu, S. Q. Wei, Y. Xie, *Nat. Commun.* **2012**, 3, 1057. (A general strategy using lamellar hybrid intermediates was developed to synthesize atomically thin sheets with nonlayered structures.)
4. “Ultrathin Nanosheets of MAX Phases with Enhanced Thermal and Mechanical Properties in Polymeric Compositions:  $\text{Ti}_3\text{Si}_{0.75}\text{Al}_{0.25}\text{C}_2$ ”: X. D. Zhang, J. G. Xu, H. Wang, J. J. Zhang, H. B. Yan, B. C. Pan, J. F. Zhou, Y. Xie, *Angew. Chem.* **2013**, 125, 4457–4461; *Angew. Chem. Int. Ed.* **2013**, 52, 4361–4365. (A substitutional solid-solution-based exfoliation method.)
5. “Atomically Thin  $\text{SnO}_2$  Sheets Realizing Efficient Catalytic Oxidation of Carbon Monoxide”: Y. F. Sun, F. C. Lei, S. Gao, B. C. Pan, J. F. Zhou, Y. Xie, *Angew. Chem.* **2013**, 125, 10763–10766; *Angew. Chem. Int. Ed.* **2013**, 52, 10569–10572. (The elementary adsorption, dissociation, and diffusion steps in this process are optimized.)

DOI: 10.1002/anie.201402434