

**PRESS RELEASE**

**June 23, 2016**

## **The winner of “2013 Top Papers” and “2014 Top Papers” in 2016**

The annual Top Papers Award has been established since 2015 by the editorial board of *Nano Research* and the Tsinghua University Press (TUP). This award is open to any scientists worldwide who have published papers in *Nano Research* during the two preceding years. After the JCR is released in each year, the winner will be determined by the Award Committee (Editors-in-Chief, Associate Editors, representatives from TUP) according to the citation in the latest year and the contribution of the papers. The winner list will be announced in the annual Sino-US Symposium on Nanoscale Science and Technology.

The awardees will receive a prize of RMB ¥10,000 and a certificate. The winner's name and work will be featured in *Nano Research* and other media. This award can be granted to the same paper twice.

We are pleased to announce that the second Top Papers Awards are presented to the following papers.

### **2013 Top Papers**

Scalable preparation of porous silicon nanoparticles and their application for lithium-ion battery anodes. Ge, Mingyuan; Rong, Jiepeng; Fang, Xin; Zhang, Anyi; Lu, Yunhao; Zhou, Chongwu*. <i>Nano Research</i> ,2013,6(3):174-181
Branched $\text{Co}_3\text{O}_4/\text{Fe}_2\text{O}_3$ nanowires as high capacity lithium-ion battery anodes. Wu, Hao; Xu, Ming; Wang, Yongcheng; Zheng, Gengfeng*. <i>Nano Research</i> ,2013,6(3):167-173
Mesoporous $\text{Co}_3\text{O}_4$ as an electrocatalyst for water oxidation. Tueysuez, Harun; Hwang, Yun Jeong; Khan, Sher Bahadar; Asiri, Abdullah Mohamed; Yang, Peidong*. <i>Nano Research</i> ,2013,6(1):47-54
One-step strategy to graphene/ $\text{Ni}(\text{OH})_2$ composite hydrogels as advanced three-dimensional supercapacitor electrode materials. Xu, Yuxi; Huang, Xiaoqing; Lin, Zhaoyang; Zhong, Xing; Huang, Yu; Duan, Xiangfeng*. <i>Nano Research</i> ,2013,6(1):65-76
Ni/Pd core/shell nanoparticles supported on graphene as a highly active and reusable catalyst for Suzuki-Miyaura cross-coupling reaction. Metin, Oender*; Ho, Sally Fae; Alp, Cemalettin; Can, Hasan; Mankin, Max N.; Gultekin, Mehmet Serdar; Chi, Miaofang; Sun, Shouheng*. <i>Nano Research</i> ,2013,6(1):10-18
One-step scalable preparation of N-doped nanoporous carbon as a high-performance electrocatalyst for the oxygen reduction reaction. Liu, Zhenyu; Zhang, Guoxin; Lu, Zhiyi; Jin, Xiuyan; Chang, Zheng; Sun, Xiaoming*. <i>Nano Research</i> ,2013,6(4):293-301

## 2014 Top Papers

<p>Plasma-assisted fabrication of monolayer phosphorene and its Raman characterization. Lu, Wanglin; Nan, Haiyan; Hong, Jinhua; Chen, Yuming; Zhu, Chen; Liang, Zheng; Ma, Xiangyang; Ni, Zhenhua*; Jin, Chuanhong*; Zhang, Ze. <i>Nano Research</i>,2014,7(6):853-859</p>
<p>Evaluating the performance of nanostructured materials as lithium-ion battery electrodes. Armstrong, Mark J.; O'Dwyer, Colm; Macklin, William J.; Holmes, Justin. D.*. <i>Nano Research</i>,2014,7(1):1-62</p>
<p>Porous CuO nanowires as the anode of rechargeable Na-ion batteries. Wang, Lijiang; Zhang, Kai; Hu, Zhe; Duan, Wenchao; Cheng, Fangyi; Chen, Jun*. <i>Nano Research</i>,2014,7(2):199-208</p>
<p>Direct synthesis of highly conductive poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonate) (PEDOT:PSS)/graphene composites and their applications in energy harvesting systems. Yoo, Dohyuk; Kim, Jeonghun; Kim, Jung Hyun*. <i>Nano Research</i>,2014,7(5):717-730</p>
<p>Self-assembly of nitrogen-doped TiO<sub>2</sub> with exposed {001} facets on a graphene scaffold as photo-active hybrid nanostructures for reduction of carbon dioxide to methane. Ong, Wee-Jun; Tan, Lling-Lling; Chai, Siang-Piao*; Yong, Siek-Ting; Mohamed, Abdul Rahman. <i>Nano Research</i>,2014,7(10):1528-1547</p>
<p>Gold nanorods with a hematoporphyrin-loaded silica shell for dual-modality photodynamic and photothermal treatment of tumors in vivo. Terentyuk, Georgy; Panfilova, Elizaveta; Khanadeev, Vitaly; Chumakov, Daniil; Genina, Elina; Bashkatov, Alexey; Tuchin, Valery; Bucharskaya, Alla; Maslyakova, Galina; Khlebtsov, Nikolai; Khlebtsov, Boris*. <i>Nano Research</i>,2014,7(3):325-337</p>
<p>High densities of magnetic nanoparticles supported on graphene fabricated by atomic layer deposition and their use as efficient synergistic microwave absorbers. Wang, Guizhen; Gao, Zhe; Wan, Gengping; Lin, Shiwei; Yang, Peng; Qin, Yong*. <i>Nano Research</i>,2014,7(5):704-716</p>
<p>Composites of small Ag clusters confined in the channels of well-ordered mesoporous anatase TiO<sub>2</sub> and their excellent solar-light-driven photocatalytic performance. Zhou, Wei; Li, Ting; Wang, Jianqiang; Qu, Yang; Pan, Kai; Xie, Ying; Tian, Guohui; Wang, Lei; Ren, Zhiyu; Jiang, Baojiang; Fu, Honggang*. <i>Nano Research</i>,2014,7(5):731-742</p>
<p>The effect of the substrate on the Raman and photoluminescence emission of single-layer MoS<sub>2</sub>. Buscema, Michele*; Steele, Gary A.*; van der Zant, Herre S. J.; Castellanos-Gomez, Andres*. <i>Nano Research</i>,2014,7(4):561-571</p>
<p>High-performance planar heterojunction perovskite solar cells: Preserving long charge carrier diffusion lengths and interfacial engineering. Bai, Sai; Wu, Zhongwei; Wu, Xiaojing; Jin, Yizheng*; Zhao, Ni; Chen, Zhihui; Mei, Qingqing; Wang, Xin; Ye, Zhizhen; Song, Tao; Liu, Ruiyuan; Lee, Shuit-tong; Sun, Baoquan*. <i>Nano Research</i>,2014,7(12):1749-1758</p>