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PRESS RELEASE
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The winner of "Top Papers Award" in 2017

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 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 third Top Papers Awards are presented to the following papers.

Top Papers

The photoluminescence mechanism in carbon dots (graphene quantum dots, carbon nanodots, and polymer dots): Current state and future perspective. Zhu, Shoujun; Song, Yubin; Zhao, Xiaohuan; Shao, Jieren; Zhang, Junhu; Yang, Bai*. *Nano Research*, 2015, 8(2): 355–381.
A mini review of NiFe-based materials as highly active oxygen evolution reaction electrocatalysts. Gong, Ming; Dai, Hongjie*. *Nano Research*, 2015, 8(1): 23–39.
Recent advances in the development of organic photothermal nano-agents. Song, Xuejiao; Chen, Qian; Liu, Zhuang*. *Nano Research*, 2015, 8(2): 340–354.
Transition-metal doped edge sites in vertically aligned MoS_2 catalysts for enhanced hydrogen evolution. Wang, Haotian; Tsai, Charlie; Kong, Desheng; Chan, Karen; Abild-Pedersen, Frank; Norskov, Jens K.*; Cui, Yi*. *Nano Research*, 2015, 8(2): 566–575.
Sodium iron hexacyanoferrate with high Na content as a Na-rich cathode material for Na-ion batteries. You, Ya; Yu, Xiqian; Yin, Yaxia; Nam, Kyung-Wan*; Guo, Yu-Guo*. *Nano Research*, 2015, 8(1): 117–128.
Solution processed MoS_2–PVA composite for sub-bandgap mode-locking of a wideband tunable ultrafast Er:fiber laser. Zhang, Meng; Howe, Richard C. T.; Woodward, Robert I.; Kelleher, Edmund J. R.; Torrisi, Felice; Hu, Guohua; Popov, Sergei V.; Taylor, J. Roy; Hasan, Tawfique*. *Nano Research*, 2015, 8(5): 1522–1534.
Chemically exfoliated metallic MoS_2 nanosheets: A promising supporting co-catalyst for enhancing the photocatalytic performance of TiO_2 nanocrystals. Bai, Song; Wang, Limin; Chen, Xiaoyi; Du, Junteng; Xiong, Yujie*. *Nano Research*, 2015, 8(1): 175–183.

1.3 μm emitting SrF_2:Nd^{3+} nanoparticles for high contrast *in vivo* imaging in the second biological window. Villa, Irene; Vedda, Anna; Cantarelli, Irene Xochilt; Pedroni, Marco; Piccinelli, Fabio; Bettinelli, Marco; Speghini, Adolfo; Quintanilla, Marta; Vetrone, Fiorenzo; Rocha, Ueslen; Jacinto, Carlos; Carrasco, Elisa; Sanz Rodriguez, Francisco; Juarranz, Angeles; del Rosal, Blanca; Ortgies, Dirk H.; Haro Gonzalez, Patricia; Garcia Sole, Jose; Jaque Garcia, Daniel*. *Nano Research*, 2015, 8(2): 649–665.
Interlayer interactions in anisotropic atomically thin rhenium diselenide. Zhao, Huan; Wu, Jiangbin; Zhong, Hongxia; Guo, Qiushi; Wang, Xiaomu; Xia, Fengnian; Li, Yang; Tan, Pingheng*; Wang, Han*. *Nano Research*, 2015, 8(11): 3651–3661.
In situ synthesis of graphitic-C_3N_4 nanosheet hybridized N-doped TiO_2 nanofibers for efficient photocatalytic H_2 production and degradation. Han, Cheng; Wang, Yingde*; Lei, Yongpeng*; Wang, Bing; Wu, Nan; Shi, Qi; Li, Qiong. *Nano Research*, 2015, 8(4): 1199–1209.
Ultrastable single-atom gold catalysts with strong covalent metal-support interaction (CMSI). Qiao, Botao; Liang, Jin-Xia; Wang, Aiqin; Xu, Cong-Qiao; Li, Jun*; Zhang, Tao*; Liu, Jingyue (Jimmy)*. *Nano Research*, 2015, 8(9): 2913–2924.
TiO_2 nanosheets with exposed {001} facets for photocatalytic applications. Sajan, Chimmikuttanda Ponnappa; Wageh, Swelm; Al-Ghamdi, Ahmed. A.; Yu, Jiaguo*; Cao, Shaowen*. *Nano Research*, 2016, 9(1): 3–27.
Organic-inorganic bismuth (III)-based material: A lead-free, air-stable and solution-processable light-absorber beyond organolead perovskites. Lyu, Miaoqiang; Yun, Jung-Ho; Cai, Molang; Jiao, Yalong; Bernhardt, Paul V.; Zhang, Meng; Wang, Qiong; Du, Aijun; Wang, Hongxia; Liu, Gang; Wang, Lianzhou*. *Nano Research*, 2016, 9(3): 692–702.
A mini review on nickel-based electrocatalysts for alkaline hydrogen evolution reaction. Gong, Ming; Wang, Di-Yan; Chen, Chia-Chun*; Hwang, Bing-Joe*; Dai, Hongjie*. *Nano Research*, 2016, 9(1): 28–46.
Optoelectronic devices based on two-dimensional transition metal dichalcogenides. Tian, He; Chin, Matthew L.; Najmaei, Sina; Guo, Qiushi; Xia, Fengnian; Wang, Han*; Dubey, Madan*. *Nano Research*, 2016, 9(6): 1543–1560.
A highly active oxygen evolution electrocatalyst: Ultrathin CoNi double hydroxide/CoO nanosheets synthesized via interface-directed assembly. Wu, Jun; Ren, Zhiyu*; Du, Shichao; Kong, Lingjun; Liu, Bowen; Xi, Wang; Zhu, Jiaqing; Fu, Honggang*. *Nano Research*, 2016, 9(3): 713–725.