

2015 年物理领域中国作者发表的高被引研究论文 Top 10

1. Ouyang, Xinhua; Peng, Ruixiang; Ai, Ling; Zhang, Xingye; Ge, Ziyi. Efficient polymer solar cells employing a non-conjugated small-molecule electrolyte. **NATURE PHOTONICS**. 2015, 9(8), 520.
发表期刊的影响因子：31.167 (JCR2015); 该文章在 2016 年被引用次数：93;
DOI: [10.1038/NPHOTON.2015.126](https://doi.org/10.1038/NPHOTON.2015.126)
2. Zhu, Bairen; Chen, Xi; Cui, Xiaodong. Exciton Binding Energy of Monolayer WS₂. **SCIENTIFIC REPORTS**. 2015, 5.
发表期刊的影响因子：5.228 (JCR2015); 该文章在 2016 年被引用次数：70;
DOI: [10.1038/srep09218](https://doi.org/10.1038/srep09218)
3. Li, Xin; Zhao, Wei; Li, Liang; He, Ning; Chi, ShengWei. Modeling and Application of Process Damping in Milling of Thin-Walled Workpiece Made of Titanium Alloy. **SHOCK AND VIBRATION**. 2015.
发表期刊的影响因子：0.88 (JCR2015); 该文章在 2016 年被引用次数：68;
DOI: [10.1155/2015/431476](https://doi.org/10.1155/2015/431476)
4. Zhang, Xin; Li, Yuan-Yuan; Cao, Junpeng; Yang, Wen-Li; Shi, Kangjie; Wang, Yupeng. Retrieve the Bethe states of quantum integrable models solved via the off-diagonal Bethe Ansatz. **JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT**. 2015.
发表期刊的影响因子：2.091 (JCR2015); 该文章在 2016 年被引用次数：62;
DOI: [10.1088/1742-5468/2015/05/P05014](https://doi.org/10.1088/1742-5468/2015/05/P05014)
5. Mao, Dong; Wang, Yadong; Ma, Chaojie; Han, Lei; Jiang, Biqiang; Gan, Xuetao; Hua, Shijia; Zhang, Wending; Mei, Ting; Zhao, Jianlin. WS₂ mode-locked ultrafast fiber laser. **SCIENTIFIC REPORTS**. 2015, 5.
发表期刊的影响因子：5.228 (JCR2015); 该文章在 2016 年被引用次数：55;
DOI: [10.1038/srep07965](https://doi.org/10.1038/srep07965)
6. Wang, Xi-Lin; Cai, Xin-Dong; Su, Zu-En; Chen, Ming-Cheng; Wu, Dian; Li, Li; Liu, Nai-Le; Lu, Chao-Yang; Pan, Jian-Wei. Quantum teleportation of multiple degrees of freedom of a single photon. **NATURE**. 2015, 518(7540), 516-519.
发表期刊的影响因子：38.138 (JCR2015); 该文章在 2016 年被引用次数：50;
DOI: [10.1038/nature14246](https://doi.org/10.1038/nature14246)

7. Dang, Yangyang; Liu, Yang; Sun, Youxuan; Yuan, Dongsheng; Liu, Xiaolong; Lu, Weiqun; Liu, Guangfeng; Xia, Haibing; Tao, Xutang. Bulk crystal growth of hybrid perovskite material $\text{CH}_3\text{NH}_3\text{PbI}_3$. **CRYSTENGCOMM**. 2015, 17(3), 665-670.

发表期刊的影响因子：3.849 (JCR2015); 该文章在 2016 年被引用次数：46;

DOI: [10.1039/c4ce02106a](https://doi.org/10.1039/c4ce02106a)

8. Qin, Zhipeng; Xie, Guoqiang; Zhang, Han; Zhao, Chujun; Yuan, Peng; Wen, Shuangchun; Qian, Liejia. Black phosphorus as saturable absorber for the Q-switched Er:ZBLAN fiber laser at 2.8 μm . **OPTICS EXPRESS**. 2015, 23(19), 24713-24718.

发表期刊的影响因子：3.148 (JCR2015); 该文章在 2016 年被引用次数：34;

DOI: [10.1364/OE.23.024713](https://doi.org/10.1364/OE.23.024713)

9. Xiao, Meng; Ma, Guancong; Yang, Zhiyu; Sheng, Ping; Zhang, Z. Q.; Chan, C. T.. Geometric phase and band inversion in periodic acoustic systems. **NATURE PHYSICS**. 2015, 11(3), 240-244.

发表期刊的影响因子：18.791 (JCR2015); 该文章在 2016 年被引用次数：32;

DOI: [10.1038/NPHYS3228](https://doi.org/10.1038/NPHYS3228)

10. Luo, Zhi-Chao; Liu, Meng; Guo, Zhi-Nan; Jiang, Xiao-Fang; Luo, Ai-Ping; Zhao, Chu-Jun; Yu, Xue-Feng; Xu, Wen-Cheng; Zhang, Han. Microfiber-based few-layer black phosphorus saturable absorber for ultra-fast fiber laser. **OPTICS EXPRESS**. 2015, 23(15), 20030-20039.

发表期刊的影响因子：3.148 (JCR2015); 该文章在 2016 年被引用次数：32;

DOI: [10.1364/OE.23.020030](https://doi.org/10.1364/OE.23.020030)