

河北大学 2017 年度自然指数 (Nature Index) 收录论文一览表

序号	学科	期刊	作者	论文题目	通讯作者	备注
1	Physical Sciences	Advanced Materials	n He, Pingqi Gao, Zhenhai Yang, Jing Yu, Wei Yu, Yu Zhang, Jiang Sheng, Jichun Ye, Joseph Chen Amine, Yi Cui	Silicon/Organic Hybrid Solar Cells with 16.2% Efficiency and Improved Stability by Formation of Conformal Heterojunction Coating and Moisture-Resistant Capping Layer		于威 第五作者 物理学院
2	Physical Sciences	Applied Physics Letters	Yuanyuan Zhang, Tao Yang, Xiaobing Yan, Zichang Zhang, Gang bai, Chao Lu, Xinlei Jia, Bangfu Ding, Jianhui Zhao, and Zhenyu Zhou	A metal/Ba _{0.6} Sr _{0.4} TiO ₃ /SiO ₂ /Si single film device for charge trapping memory towards a large memory window	闫小兵 电信学院	
3	Physical Sciences	Applied Physics Letters	Bingbing Chen, Jianhui Chen, Yanjiao Shen, Kumpeng Ge, Jianxin Guo, Feng Li, Haixu Liu, Ying Xu, and Yaohua Mai	Magnesium thin film as a doping-free back surface field layer for hybrid solar cells	麦耀华 物理学院	
4	Physical Sciences	Applied Physics Letters	Jianhui Chen, Yanjiao Shen, Jianxin Guo, Bingbing Chen, Jiandong Fan, Feng Li, Haixu Liu, Ying Xu, and Yaohua Mai	Silicon surface passivation by polystyrenesulfonate thin films	麦耀华 物理学院	
5	Physical Sciences	Applied Physics Letters	Xuechen Li, Jingdi Chu, Qi Zhang, Panpan Zhang, Pengying Jia, and Jinling Geng	Performance of a large-scale barrier discharge plume improved by an upstream auxiliary barrier discharge	李雪辰 物理学院	
6	Physical Sciences	Astronomy & Astrophysics	R. Si, S. Li, K. Wang, X. L. Guo, Z. B. Chen, J. Yan, C. Y. Chen, T. Brage and Y. M. Zou	Electron impact excitation for He-like ions with $Z = 20-42$		王凯 第三作者

7	Physical Sciences	European Physical Journal C	Lei Jiao Rongjia Yang	Accretion onto a Kiselev black hole	杨荣佳 物理学院	
8	Physical Sciences	European Physical Journal C	Shu-Min Zhao, Tai-Fu Feng, Zhong-Jun Yang, Hai-Bin Zhang, Xing-Xing Dong, Tao Guo	The one-loop contributions to $c(t)$ electric dipole moment in the CP-violating BLMSSM	赵树民 物理学院	
9	Physical Sciences	The Astrophysical Journal Supplement	K. Wang, P. Jönsson, J. Ekman, G. Gaigalas, M. R. Godefroid, R. Si, Z. B. Chen, S. Li, C. Y. Chen, and J. Yan	Extended Calculations of Spectroscopic Data: Energy Levels, Lifetimes, and Transition Rates for O-like Ions from Cr xvii to Zn xxiii	王凯	第一作者
10	Chemistry	Chemical Communications	Jie Wang, Ruoyu Sang, Xiaolong Chong, Yinuo Zhao, Wenjie Fan, Zejiang Lia and Jincan Zhao	Copper-catalyzed radical cascade oxyalkylation of olefinic amides with simple alkanes: highly efficient access to benzoxazines	赵金灿 化学学院	
11	Chemistry	Chemical Communications	Liang-Liang Zhao, Xing-Shuo Li, Li-Li Cao, Rui Zhang, Xiao-Qian Shi and Jing Qi	Access to dihydropyridinones and spirooxindoles: application of N-heterocyclic carbene-catalyzed [3+3] annulation of enals and oxindole-derived enals with 2-aminoacrylates	齐静 化学学院	
12	Chemistry	Chemical Communications	Xin Wen, Xiaozhen Shi, Xianliang Qiao, Zhilei Wu and Guoyi Bai	Ligand-free nickel-catalyzed semihydrogenation of alkynes with sodium borohydride: a highly efficient and selective process for cis-alkenes under ambient conditions	白国义 化学学院	
13	Chemistry	Chemical Communications	Qi Xu, Jia-Li Wang, Ya-Li Luo, Juan-Juan Li, Ke-Rang Wang and Xiao-Liu Li	Host-guest interactions and controllable capture and release of proteins based on cationic perylene bisimides	王克让 李小六 化学学院	

14	Chemistry	Chemical Communications	Li-Jing Wang, Manman Chen, Lin Qi, Zhidong Xu and Wei Li	Copper-mediated oxysulfonylation of alkenyl oximes with sodium sulfinates: a facile synthesis of isoxazolines featuring a sulfone substituent	王力竟 李炜 化学学院	
15	Chemistry	Chemical Communications	Zhong-Quan Liu and Zejiang Li	Radical-promoted site-specific cross dehydrogenative coupling of heterocycles with nitriles		李泽江 第二作者 化学学院
16	Chemistry	Organic Letters	Xing-Shuo Li, Liang-Liang Zhao, Xiao-Ke Wang, Li-Li Cao, Xiao-Qian Shi, Rui Zhang, and Jing Qi	Enantioselective [3 + 2] Annulation of Enals with 2-Aminoacrylates Catalyzed by N-Heterocyclic Carbene	齐静 化学学院	