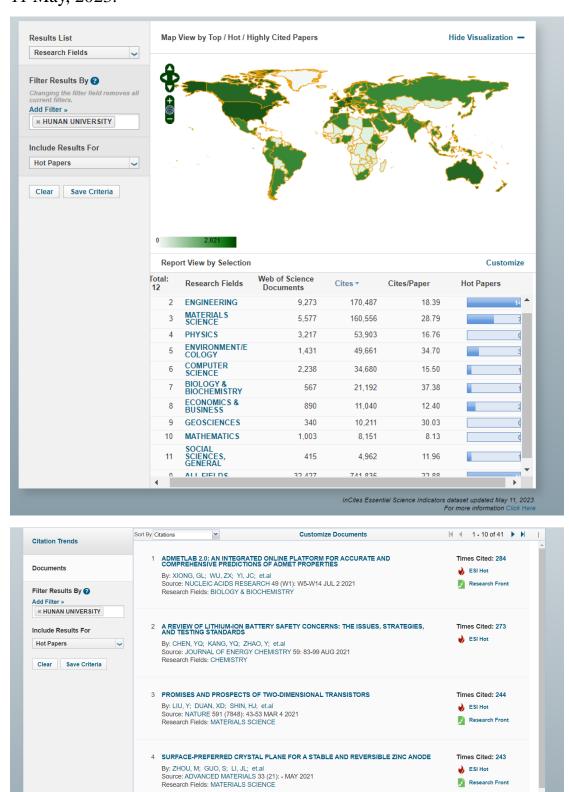
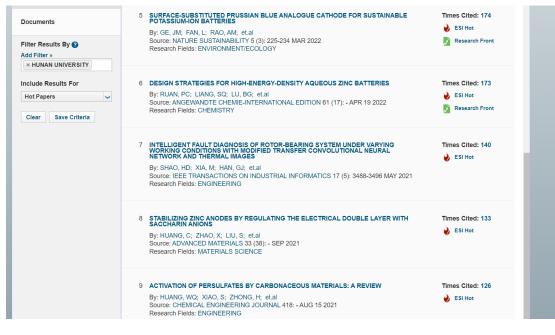
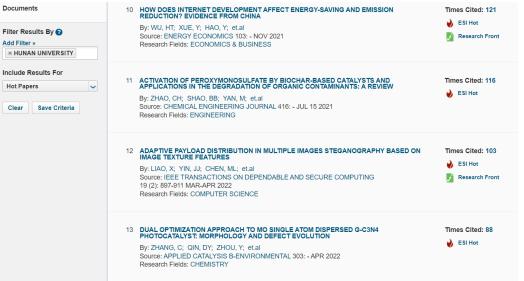
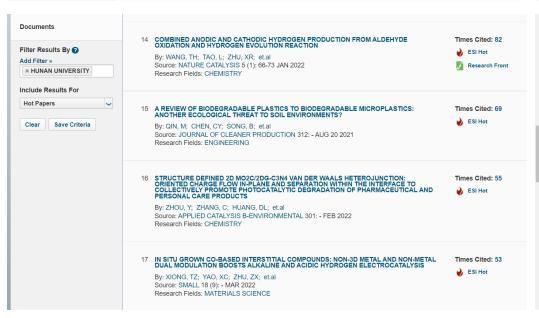
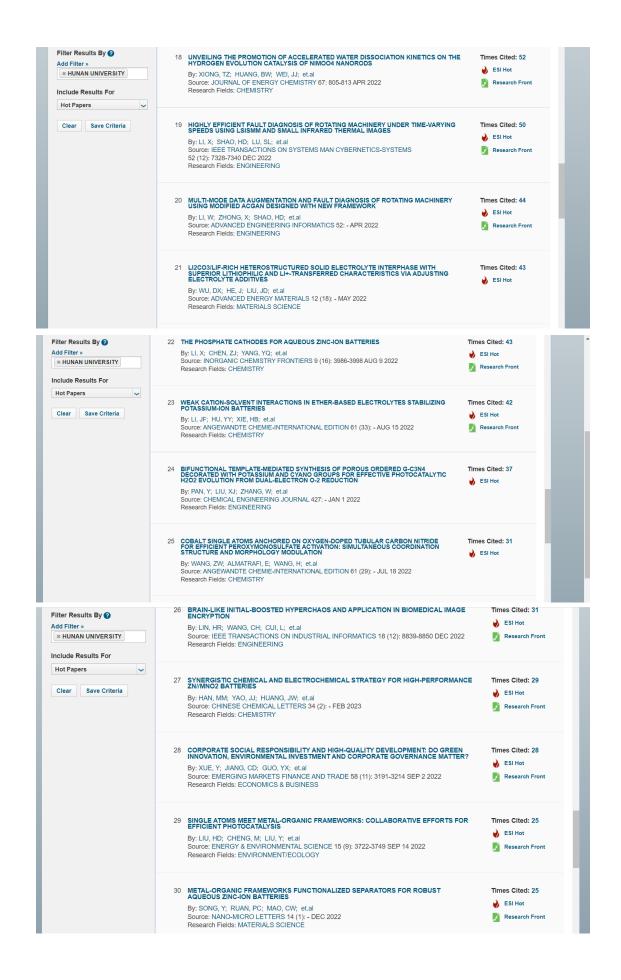
Essential Science Indicators for Hot papers for Hunan University on 11 May, 2023.

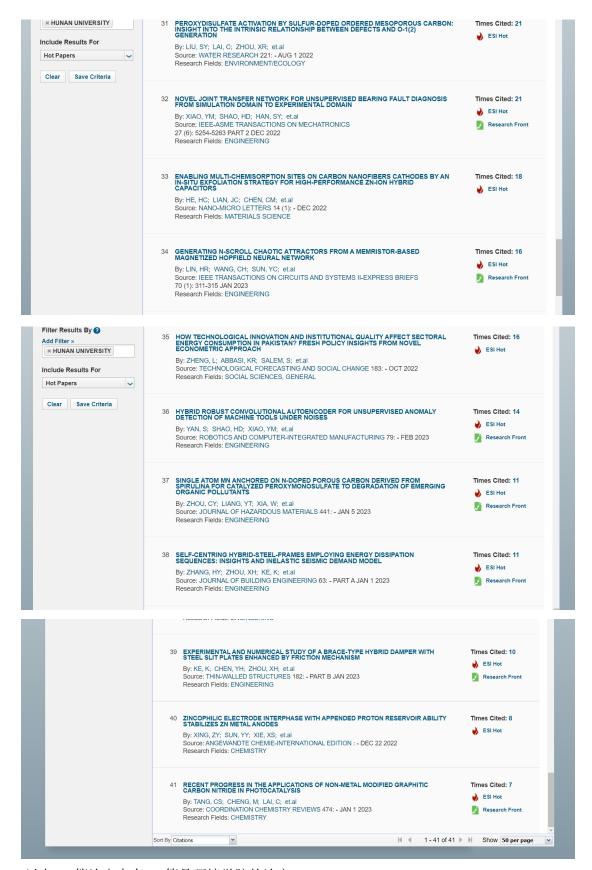












以上 41 篇论文中有 11 篇是环境学院的论文:

1) Wuqi Huang, Sa Xiao, Hua Zhong*, Ming Yan*, Xin Yang, Activation of persulfates by carbonaceous materials: A review, Chemical Engineering Journal (SCI 2021 IF=16.744) 418 (2021)

- 129297. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 3 次上榜)
- 2) Chenhui Zhao, Binbin Shao, Ming Yan, Zhifeng Liu*, Qinghua Liang, Qingyun He, Ting Wu, Yang Liu, Yuan Pan, Jing Huang, Jiajia Wang, Jie Liang, Lin Tang, Activation of peroxymonosulfate by biochar-based catalysts and applications in the degradation of organic contaminants: A review, Chemical Engineering Journal (SCI 2021 IF=16.744), 416(2021) 128829 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 3 次上榜)
- 3) Chen Zhang*, Deyu Qin, Yin Zhou, Fanzhi Qin, Hou Wang, Wenjun Wang, Yang Yang, Guangming Zeng*, Dual optimization approach to Mo single atom dispersed g-C3N4 photocatalyst: Morphology and defect evolution, Applied Catalysis B: Environmental (SCI 2021 IF=24.319) 303 (2022) 120904. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)
- 4) Meng Qin1, Changya Chen1, Biao Song, Maocai Shen,Weicheng Cao, Hailan Yang, Guangming Zeng*, Jilai Gong*, A review of biodegradable plastics to biodegradable microplastics: Another ecological threat to soil environments?, Journal of Cleaner Production (SCI 2021 IF=11.072), 312 (2021) 127816. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)
- 5) Yin Zhou, Chen Zhang*, Danlian Huang*, Wenjun Wang, Yunbo Zhai*, Qinghua Liang, Yang Yang, Suhong Tian, Hanzhuo Luo, Deyu Qin. Structure defined 2D Mo2C/2D g-C3N4 Van der Waals heterojunction: Oriented charge flow in-plane and separation within the interface to collectively promote photocatalytic degradation of pharmaceutical and personal care products. Applied Catalysis B: Environmental (SCI 2021 IF=24.319). 301 (2022)120749. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)
- 6) Y. Pan, X.J. Liu, W. Zhang, B.B. Shao, Z.F. Liu, Q.H. Liang, T. Wu, Q.Y. He, J. Huang, Z. Peng, Y. Liu, C.H. Zhao, Bifunctional template-mediated synthesis of porous ordered g-C3N4 decorated with potassium and cyano groups for effective photocatalytic H2O2 evolution from dual-electron O-2 reduction, Chemical Engineering Journal(SCI 2021 IF=16.744), 427 (2022)132032. (ESI Hot Paper, ESI Hot Paper 第 1 次上榜)
- 7) Ziwei Wang, Eydhah Almatrafi, Han Wang, Hong Qin, Wenjun Wang, Li Du, Sha Chen, Guangming Zeng*, Piao Xu*.Cobalt Single Atoms Anchored on Oxygen-Doped Tubular Carbon Nitride for Efficient Peroxymonosulfate Activation: Simultaneous Coordination Structure and Morphology Modulation. Angewandte Chemie (SCI 2021 IF=15.336). 2022. e202202338 (1-10) (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 2 次上榜)
- 8) Hongda Liu, Min Cheng*, Yang Liu*, Jun Wang, Gaoxia Zhang, Ling Li, Li Du, Guangfu Wang, Suzhao Yang and Xinya Wang. Single atoms meet metal—organic frameworks: collaborative efforts for efficient photocatalysis. Energy & Environmental Science (SCI 2021 IF= 39.714), 15 (2022) 3722-3749. (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 1 次上榜)
- 9) Shiyu Liu, Cui Lai*, Xuerong Zhou, Chen Zhang, Liang Chen, Huchuan Yan, Lei Qin, Danlian Huang, Haoyang Ye, Wenfang Chen, Ling Li, Mingming Zhang, Lin Tang, Fuhang Xu, Dengsheng Ma. Peroxydisulfate activation by sulfur-doped ordered mesoporous carbon: Insight into the intrinsic relationship between defects and $^{1}O_{2}$ generation. Water Research (SCI 2021 IF=11.236), 441 (2023)129871. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)
- 10) Chengyun Zhou*, Yuntao Liang, Wu Xia, Eydhah Almatrafi, Biao Song, Ziwei Wang, Yuxi Zeng, Yang Yang, Yanan Shang, Chaohai Wang, Guangming Zeng*, Single atom Mn anchored on N-doped porous carbon derived from spirulina for catalyzed peroxymonosulfate to degradation of

emerging organic pollutants, Journal of Hazardous Materials(SCI 2021 IF=14.224), 441 (2023)129871. (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 1 次上榜)

11) Chensi Tang, Min Cheng*, Cui Lai*, Ling Li, Xiaofeng Yang, Li Du, Gaoxia Zhang, Guangfu Wang, Lu Yang. Recent progress in the applications of non-metal modified graphitic carbon nitride in photocatalysis. Coordination Chemistry Reviews (SCI 2021 IF=24.833), 474 (2023) 214846 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 1 次上榜)