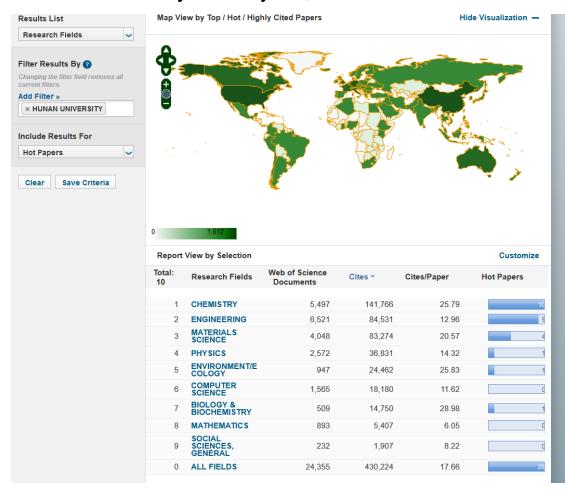
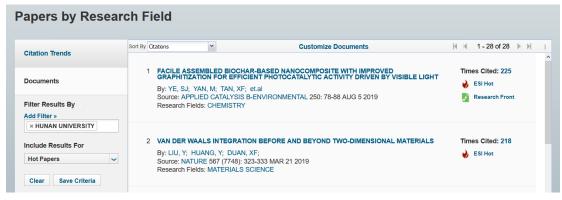
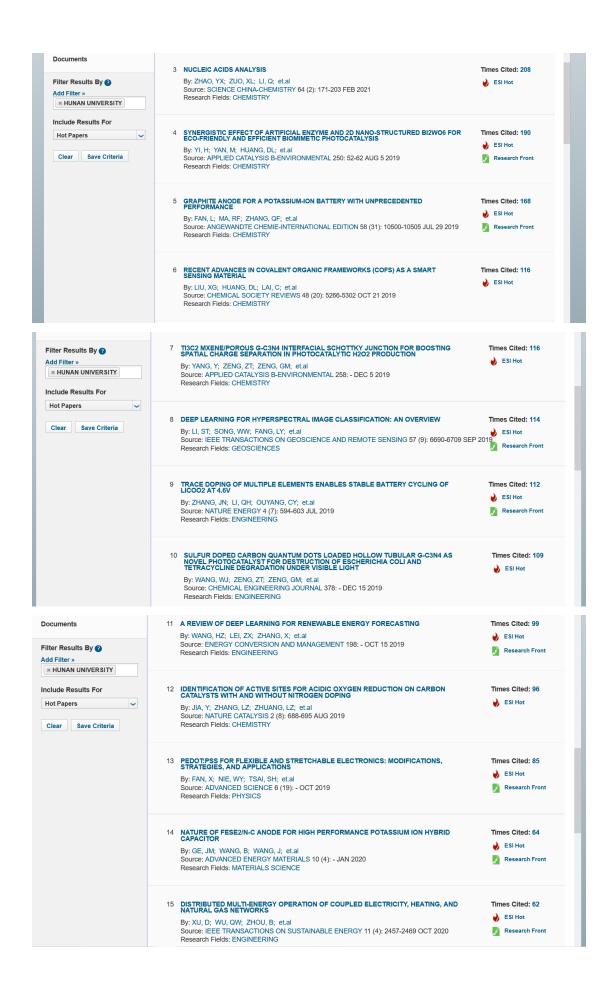
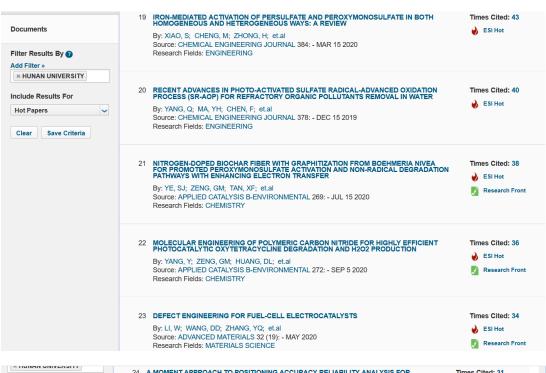
Essential Science Indicators for Hot papers for Hunan University on May 13, 2021

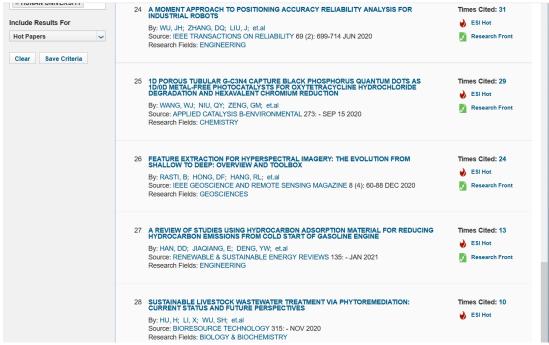












以上 28 篇论文中有 12 篇是环境学院的论文:

- 1) Shujing Ye1, Min Yan1, Xiaofei Tan1, Jie Liang1, Guangming Zeng*, Haipeng Wu*, Biao Song, Chengyun Zhou, Yang Yang, Han Wang. Facile assembled biochar-based nanocomposite with improved graphitization for efficient photocatalytic activity driven by visible light. Applied Catalysis B: Environmental (SCI 2019 IF=16.683), 2019, 250, 78-88 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 8 次上榜)
- 2) Huan Yi1, Ming Yan1, Danlian Huang1, Guangming Zeng*, Cui Lai*, Minfang Li, Xiuqin Huo, Lei Qin, Shiyu Liu, Xigui Liu, Bisheng Li, Han Wang, Maocai Shen, Yukui Fu, Xueying Guo. Synergistic effect of artificial enzyme and 2D nano-structured Bi2WO6 for eco-friendly and efficient biomimetic photocatalysis. Applied Catalysis B: Environmental (SCI 2019 IF=16.683), 2019, 250, 52-62 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 5 次上榜)
- 3) Xigui Liu, Danlian Huang*, Cui Lai*, Guangming Zeng, Lei Qin, Han Wang, Huan Yi, Bisheng Li, Shiyu Liu, Mingming Zhang, Rui Deng, Yukui Fu, Ling Li, Wenjing Xue, Sha Chen. Recent advances in covalent organic frameworks (COFs) as a smart sensing material. Chemical Society Reviews (SCI 2019 IF=42.846), 2019, 48(20), 5266-5302.(ESI Hot Paper, ESI Hot Paper 第 6 次上榜).
- 4) Yang Yang1, Zhuotong Zeng1, Guangming Zeng*, Danlian Huang*, Rong Xiao*, Chen Zhang, Chengyun Zhou, Weiping Xiong, Wenjun Wang, Min Cheng, Wenjing Xue, Hai Guo, Xiang Tang, Donghui He, Ti3C2 Mxene/porous g-C3N4 interfacial Schottky junction for boosting spatial charge separation in photocatalytic H2O2 production, Applied Catalysis B: Environmental (SCI 2019 IF=16.683), 2019, 258, 117956 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 6 次上榜,环境学院曾光明教授与中南大学湘雅附二医院的合作成果)
- 5) Wenjun Wang1, Zhuotong Zeng1, Guangming Zeng*, Chen Zhang*, Rong Xiao*, Chengyun Zhou, Weiping Xiong, Yang Yang, Lei Lei, Yang Liu, Danlian Huang, Min Cheng, YayaYang, Yukui Fu, Hanzhuo Luo, Yin Zhou, Sulfur doped carbon quantum dots loaded hollow tubular g-C3N4 as novel photocatalyst for destruction of Escherichia coli and tetracycline degradation under visible light, Chemical Engineering Journal (SCI 2019 IF=10.652), 2019, 378, 122132 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 6 次上榜,环境学院曾光明教授与中南大学湘雅附二医院的合作成果)
- 6) Dongbo Wang*, Dandan He, Xuran Liu, Qiuxiang Xu, Qi Yang, Xiaoming Li, Yiwen Liu, Qilin Wang, Bing-Jie Ni, Hailong Li, The underlying mechanism of calcium peroxide pretreatment enhancing methane production from anaerobic digestion of waste activated sludge, Water Research, 2019, 164:114934.(SCI 2019 IF=9.130) ESI Hot Paper, ESI Hot Paper 第 2 次上榜).
- 7) Sa Xiao1, Min Cheng1, Hua Zhong*, Zhifeng Liu*, Yang Liu, Xin Yang, Qinghua Liang. Iron-mediated activation of persulfate and peroxymonosulfate in both homogeneous and heterogeneous ways: A review. Chemical Engineering Journal (SCI 2019 IF=10.652), 2020, 384:123265 (ESI Hot Paper, ESI Hot Paper 第 1 次上榜).
- 8) Qi Yang*, Yinghao Ma, Fei Chen, Fubing Yao, Jian Sun, Shana Wang, Kaixin Yi, Lihua Hou, Xiaoming Li, Dongbo Wang*, Recent advances in photo-activated sulfate radical-advanced oxidation process (SR-AOP) for refractory organic pollutants removal in water, Chemical Engineering Journal, (SCI 2019 IF=10.652) 2019, 378:122149 (ESI Hot Paper, ESI Hot Paper 第 1

次上榜).

- 9) Shujing Ye, Guangming Zeng*, Xiaofei Tan*, Haipeng Wu*, Jie Liang, Biao Song, Ning Tang, Peng Zhang, Yuanyuan Yang, Qiang Chen, Xiaopei Li.Nitrogen-doped biochar fiber with graphitization from Boehmeria nivea for promoted peroxymonosulfate activation and non-radical degradation pathways with enhancing electron transfer. Applied Catalysis B: Environmental (SCI 2019 IF=16.683).2020.269(118850):1-11 (ESI Hot Paper, ESI Hot Paper 第 1 次上榜).
- 10) Yang Yang, Guangming Zeng*, Danlian Huang*, Chen Zhang*, Donghui He, Chengyun Zhou, Wenjun Wang, Weiping Xiong, Xiaopei Li, Bisheng Li, Wanyue Dong, Yin Zhou, Molecular engineering of polymeric carbon nitride for highly efficient photocatalytic oxytetracycline degradation and H2O2 production, Applied Catalysis B: Environmental (SCI 2019 IF=16.683), 2020, 272, 118970 (ESI Hot Paper, ESI Hot Paper 第 3 次上榜)
- 11) Wenjun Wang, Qiuya Niu, Guangming Zeng*, Chen Zhang*, Danlian Huang, Binbin Shao, Chengyun Zhou, Yang Yang, Yuxin Liu, Hai Guo, Weiping Xiong, Lei Lei, Shiyu Liu, Huan Yi, Sha Chen, Xiang Tang.1D porous tubular g-C3N4 capture black phosphorus quantum dots as 1D/0D metal-free photocatalysts for oxytetracycline hydrochloride degradation and hexavalent chromium reduction. Applied Catalysis B: Environmental (SCI 2019 IF=16.683). 2020.273(119051):1-13 (ESI Hot Paper, ESI Hot Paper 第 2 次上榜)
- 12) Hao Hu1, Xiang Li1, Shaohua Wu*, Wei Lou, Chunping Yang*. Ecotoxicological risks assessment of long-term exposure to oxytetracycline for phytoremediation of swine wastewater via duckweed system. Journal of Hazardous Materials, 2021, 414: 125508 (SCI 2019 IF=9.038). (ESI Hot Paper, ESI Hot Paper 第 1 次上榜)