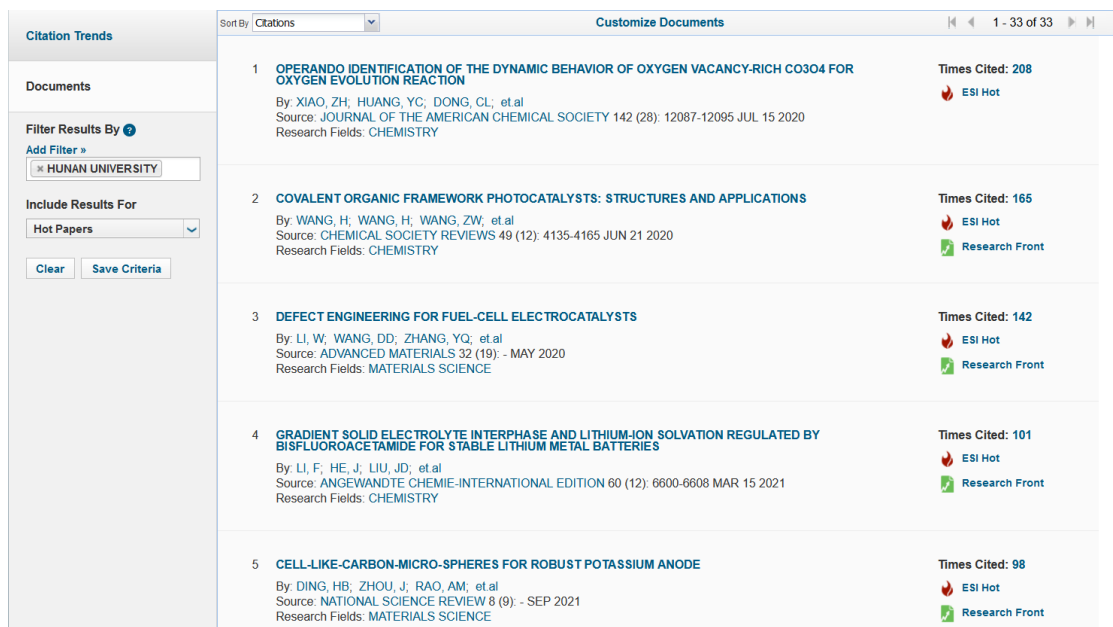
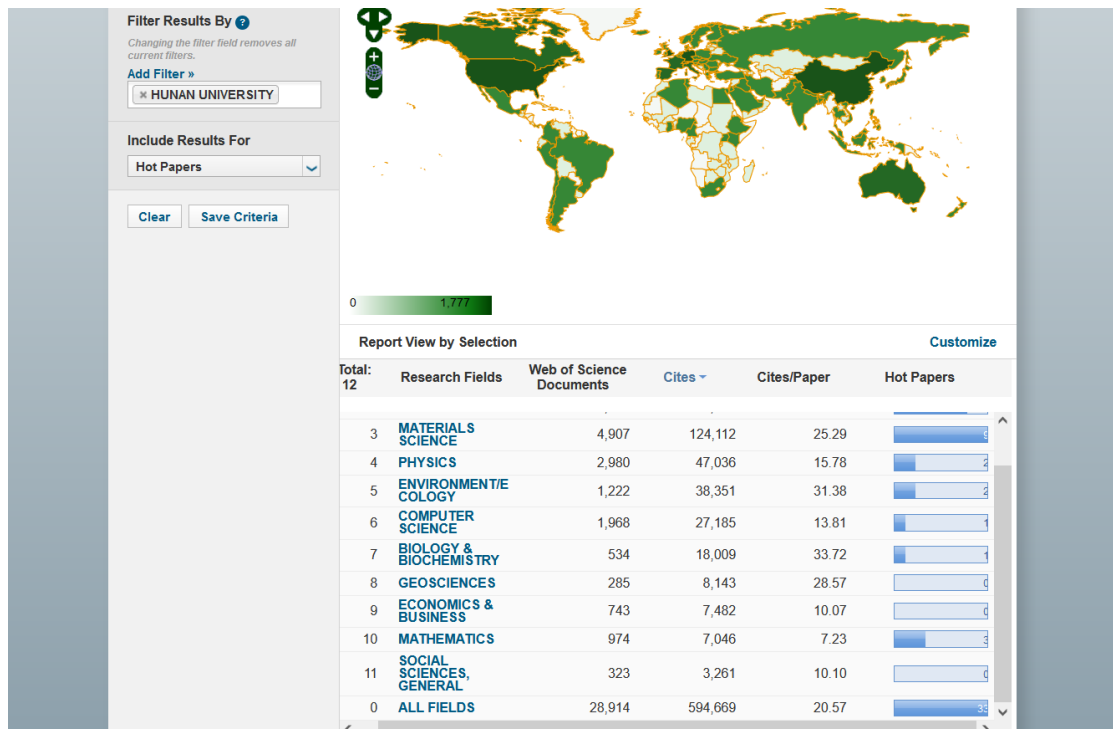


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DEFECT CHEMISTRY IN HETEROGENEOUS CATALYSIS: RECOGNITION, UNDERSTANDING, AND UTILIZATION

By: XIE, C; YAN, DF; LI, H; et al  
Source: ACS CATALYSIS 10 (19): 11082-11098 OCT 2 2020  
Research Fields: CHEMISTRY

Times Cited: 95

ESI Hot

7

SURFACE-PREFERRED CRYSTAL PLANE FOR A STABLE AND REVERSIBLE ZINC ANODE

By: ZHOU, M; GUO, S; LI, JL; et al  
Source: ADVANCED MATERIALS 33 (21): - MAY 2021  
Research Fields: MATERIALS SCIENCE

Times Cited: 89

ESI Hot

8

INTERFACIAL ADSORPTION-INSERTION MECHANISM INDUCED BY PHASE BOUNDARY TOWARD BETTER AQUEOUS ZN-ION BATTERY

By: SHAN, LT; WANG, YR; LIANG, SQ; et al  
Source: INFOMAT 3 (9): 1028-1036 SEP 2021  
Research Fields: MATERIALS SCIENCE

Times Cited: 82

ESI Hot

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9

PROMISES AND PROSPECTS OF TWO-DIMENSIONAL TRANSISTORS

By: LIU, Y; DUAN, XD; SHIN, HJ; et al  
Source: NATURE 591 (7848): 43-53 MAR 4 2021  
Research Fields: MATERIALS SCIENCE

Times Cited: 78

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10

ZIF-8-MODIFIED MNFE2O4 WITH HIGH CRYSTALLINITY AND SUPERIOR PHOTO-FENTON CATALYTIC ACTIVITY BY ZN-O-FE STRUCTURE FOR TC DEGRADATION

By: WANG, ZH; LAI, C; QIN, L; et al  
Source: CHEMICAL ENGINEERING JOURNAL 392: - JUL 15 2020  
Research Fields: ENGINEERING

Times Cited: 78

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IN-SITU SELF-ASSEMBLY CONSTRUCTION OF HOLLOW TUBULAR G-C3N4 ISOTYPE HETEROJUNCTION FOR ENHANCED VISIBLE-LIGHT PHOTOCATALYSIS: EXPERIMENTS AND THEORIES

By: LIANG, QH; LIU, XJ; WANG, JJ; et al

Source: JOURNAL OF HAZARDOUS MATERIALS 401: - JAN 5 2021

Research Fields: ENGINEERING

Times Cited: 76

ESI Hot

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12

A REVIEW OF LITHIUM-ION BATTERY SAFETY CONCERNS: THE ISSUES, STRATEGIES, AND TESTING STANDARDS

By: CHEN, YQ; KANG, YQ; ZHAO, Y; et al

Source: JOURNAL OF ENERGY CHEMISTRY 59: 83-99 AUG 2021

Research Fields: CHEMISTRY

Times Cited: 73

ESI Hot

13

A FLEXIBLE ELECTROMAGNETIC WAVE-ELECTRICITY HARVESTER

By: LV, HL; YANG, ZH; LIU, B; et al

Source: NATURE COMMUNICATIONS 12 (1): - FEB 5 2021

Research Fields: MATERIALS SCIENCE

Times Cited: 68

ESI Hot

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14

ADMETLAB 2.0: AN INTEGRATED ONLINE PLATFORM FOR ACCURATE AND COMPREHENSIVE PREDICTIONS OF ADMET PROPERTIES

By: XIONG, GL; WU, ZX; YI, JC; et al

Source: NUCLEIC ACIDS RESEARCH 49 (W1): W5-W14 JUL 2 2021

Research Fields: BIOLOGY & BIOCHEMISTRY

Times Cited: 63

ESI Hot

Research Front

15

SHARP BOUNDS FOR THE WEIGHTED HOLDER MEAN OF THE ZERO-BALANCED GENERALIZED COMPLETE ELLIPTIC INTEGRALS

By: ZHAO, TH; HE, ZY; CHU, YM;

Source: COMPUTATIONAL METHODS AND FUNCTION THEORY 21 (3): 413-426 SEP 2021

Research Fields: MATHEMATICS

Times Cited: 60

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	27 <b>INTERLAYER EXCITON FORMATION, RELAXATION, AND TRANSPORT IN TMD VAN DER WAALS HETEROSTRUCTURES</b> By: JIANG, Y; CHEN, SL; ZHENG, WH; et al Source: LIGHT-SCIENCE & APPLICATIONS 10 (1): - APR 2 2021 Research Fields: PHYSICS	Times Cited: 27 ESI Hot
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	Source: SMALL METHODS 5 (12): - DEC 2021 Research Fields: MATERIALS SCIENCE	
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	33 <b>TEST OF LEPTON UNIVERSALITY IN BEAUTY-QUARK DECAYS</b> By: AAJ, R; BETETA, CA; ACKERNLEY, T; et al Source: NATURE PHYSICS 18 (3): 277-+ MAR 2022 Research Fields: PHYSICS	Times Cited: 6 ESI Hot Research Front

以上 33 篇论文中有 5 篇是环境学院的论文:

- 1) Han Wang<sup>1</sup>, Hui Wang<sup>1</sup>, Ziwei Wang<sup>1</sup>, Lin Tang<sup>1</sup>, Guangming Zeng\*, Piao Xu\*, Ming Chen, Ting Xiong, Chengyun Zhou, Xiyi Li, Danlian Huang, Yuan Zhu, Zixuan Wang and Junwang Tang \*. Covalent Organic Framework Photocatalysts: Structures and Applications. Chemical Society Reviews (SCI 2021 IF=60.615) 2020.49:4135-4165. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 4 次上榜)
- 2) Zhihong Wang, Cui Lai\*, Lei Qin, Yukui Fu, Jiangfan He, Danlian Huang, Bisheng Li, Mingming Zhang, Shiyu Liu, Ling Li, Wei Zhang, Huan Yi, Xigui Liu, Xuerong Zhou, ZIF-8-modified MnFe<sub>2</sub>O<sub>4</sub> with high crystallinity and superior photo-Fenton catalytic activity by Zn-O-Fe structure for TC degradation, Chemical Engineering Journal (SCI 2021 IF=16.774) 2020.392:124851 (ESI Hot Paper, ESI Hot Paper 第 2 次上榜)
- 3) Qinghua Liang<sup>1</sup>, Xiaojuan Liu<sup>1</sup>, Jiajia Wang<sup>1</sup>, Yang Liu<sup>1</sup>, Zhifeng Liu\*, Lin Tang\*, Binbin Shao, Wei Zhang, Shanxi Gong, Min Cheng, Qingyun He, Chengyang Feng. In-situ self-assembly construction of hollow tubular g-C<sub>3</sub>N<sub>4</sub> isotype heterojunction for enhanced visible-light photocatalysis: Experiments and Theories. Journal of Hazardous Materials (SCI 2021 IF=14.224), 2021, 401:123355 (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 2 次上榜)

- 4) Dengsheng Ma, Huan Yi, Cui Lai\*, Xigui Liu, Xiuqin Huo, Ziwen An, Ling Li, Yukui Fu, Bisheng Li, Mingming Zhang, Lei Qin, Shiyu Liu, Lu Yang. Critical review of advanced oxidation processes in organic wastewater treatment. *Chemosphere* (SCI 2021 IF=8.943) 275 (2021) 130104. (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 2 次上榜)
- 5) Lei Qin\*, Zhihong Wang, Yukui Fu, Cui Lai, Xigui Liu, Bisheng Li, Shiyu Liu, Huan Yi, Ling Li, Mingming Zhang, Zhongwu Li, Weicheng Cao, Qiuya Niu, Gold nanoparticles-modified MnFe<sub>2</sub>O<sub>4</sub> with synergistic catalysis for photo-Fenton degradation of tetracycline under neutral pH, *Journal of Hazardous Materials* (SCI 2021 IF=14.224), 414(2021)125448. (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 1 次上榜)