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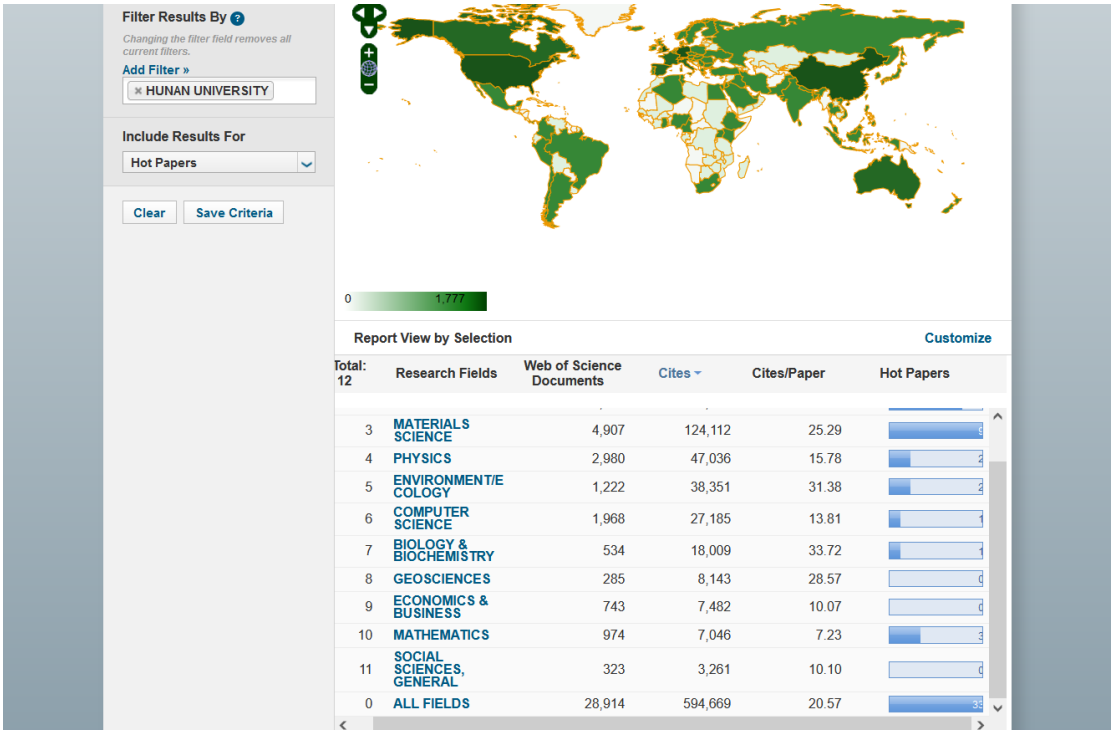

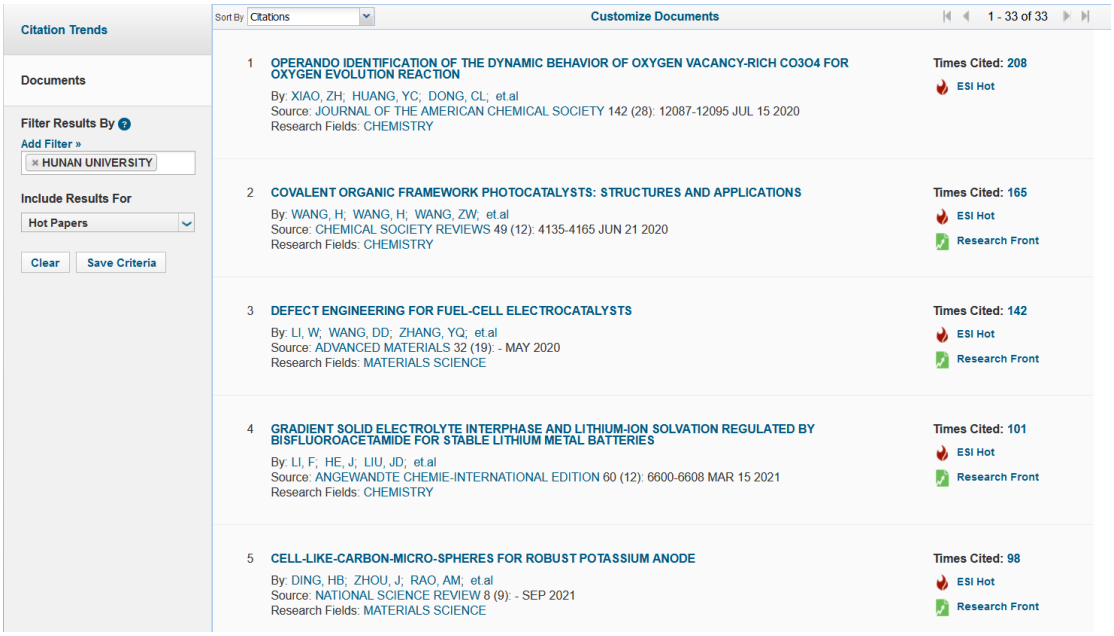

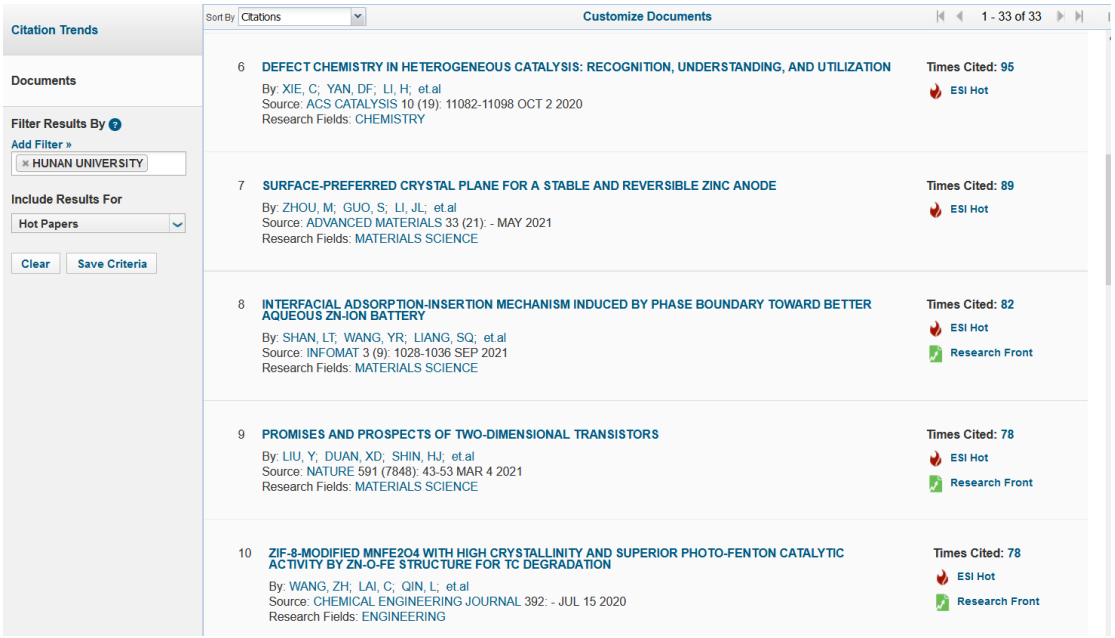
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6 DEFECT CHEMISTRY IN HETEROGENEOUS CATALYSIS: RECOGNITION, UNDERSTANDING, AND UTILIZATION
By: XIE, C; YAN, DF; LI, H; et al
Source: ACS CATALYSIS 10 (19): 11082-11098 OCT 2 2020
Research Fields: CHEMISTRY
Times Cited: 95
ESI Hot
7 SURFACE-PREFERRED 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
Research Front
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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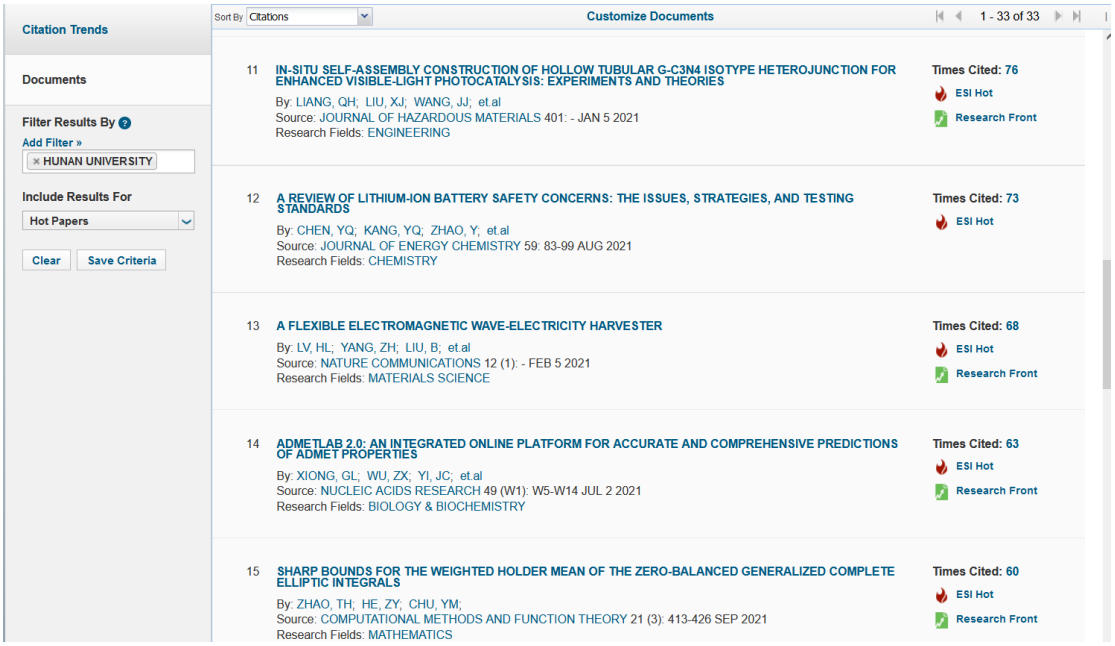
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11 IN-SITU SELF-ASSEMBLY CONSTRUCTION OF HOLLOW TUBULAR G-C3N4 ISOTYPE HETEROJUNCTION FOR ENHANCED VISIBLE-LIGHT PHOTOCATALYSIS: EXPERIMENTS AND THEORIES
By: LIANG, QH; LIU, XJ; WANG, JJ; et al
Source: JOURNAL OF HAZARDOUS MATERIALS 401: - JAN 5 2021
Research Fields: ENGINEERING
Times Cited: 76
ESI Hot
Research Front
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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16 **SHARP BOUNDS FOR THE TOADER MEAN OF ORDER 3 IN TERMS OF ARITHMETIC, QUADRATIC AND CONTRAHARMONIC MEANS**
By: CHU, HH; ZHAO, TH; CHU, YM;
Source: MATHEMATICA SLOVACA 70 (5): 1097-1112 OCT 2020
Research Fields: MATHEMATICS
Times Cited: 56
ESI Hot
Research Front

17 **ADAPTIVE PAYLOAD DISTRIBUTION IN MULTIPLE IMAGES STEGANOGRAPHY BASED ON IMAGE TEXTURE FEATURES**
By: LIAO, X; YIN, JJ; CHEN, ML; et al
Source: IEEE TRANSACTIONS ON DEPENDABLE AND SECURE COMPUTING 19 (2): 897-911 MAR-APR 2022
Research Fields: COMPUTER SCIENCE
Times Cited: 53
ESI Hot
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18 **ROBUST DETECTION OF IMAGE OPERATOR CHAIN WITH TWO-STREAM CONVOLUTIONAL NEURAL NETWORK**
By: LIAO, X; LI, KD; ZHU, XS; et al
Source: IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING 14 (5): 955-968 AUG 2020
Research Fields: ENGINEERING
Times Cited: 52
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19 **REDIRECTING DYNAMIC SURFACE RESTRUCTURING OF A LAYERED TRANSITION METAL OXIDE CATALYST FOR SUPERIOR WATER OXIDATION**
By: WANG, J; KIM, SJ; LIU, JP; et al
Source: NATURE CATALYSIS 4 (3): 212-222 MAR 2021
Research Fields: CHEMISTRY
Times Cited: 50
ESI Hot
Research Front

20 **CRITICAL REVIEW OF ADVANCED OXIDATION PROCESSES IN ORGANIC WASTEWATER TREATMENT**
By: MA, DS; YI, H; LAI, C; et al
Source: CHEMOSPHERE 275: - JUL 2021
Research Fields: ENVIRONMENT/ECOLOGY
Times Cited: 50
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21 **ALL-CARBON-FRAMEWORKS ENABLED THICK ELECTRODE WITH EXCEPTIONAL HIGH-AREAL-CAPACITY FOR LI-ION STORAGE**
By: LI, G; OUYANG, T; XIONG, TZ; et al
Source: CARBON 174: 1-9 APR 15 2021
Research Fields: CHEMISTRY
Times Cited: 45
ESI Hot
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22 **GOLD NANOPARTICLES-MODIFIED MNFE2O4 WITH SYNERGISTIC CATALYSIS FOR PHOTO-FENTON DEGRADATION OF TETRACYCLINE UNDER NEUTRAL PH**
By: QIN, L; WANG, ZH; FU, YK; et al
Source: JOURNAL OF HAZARDOUS MATERIALS 414: - JUL 15 2021
Research Fields: ENGINEERING
Times Cited: 38
ESI Hot
Research Front

23 **PH-BUFFER CONTAINED ELECTROLYTE FOR SELF-ADJUSTED CATHODE-FREE ZN-MNO2 BATTERIES WITH COEXISTENCE OF DUAL MECHANISMS**
By: LIU, ZX; YANG, YQ; LIANG, SQ; et al
Source: SMALL STRUCTURES 2 (11): - NOV 2021
Research Fields: MATERIALS SCIENCE
Times Cited: 37
ESI Hot
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24 **NANOSTRUCTURED TRANSITION METAL COMPOUNDS COATED 3D POROUS CORE-SHELL CARBON FIBER AS MONOLITH WATER SPLITTING ELECTROCATALYSTS: A GENERAL STRATEGY**
By: YANG, F; XIONG, TZ; HUANG, P; et al
Source: CHEMICAL ENGINEERING JOURNAL 423: - NOV 1 2021
Research Fields: ENGINEERING
Times Cited: 37
ESI Hot
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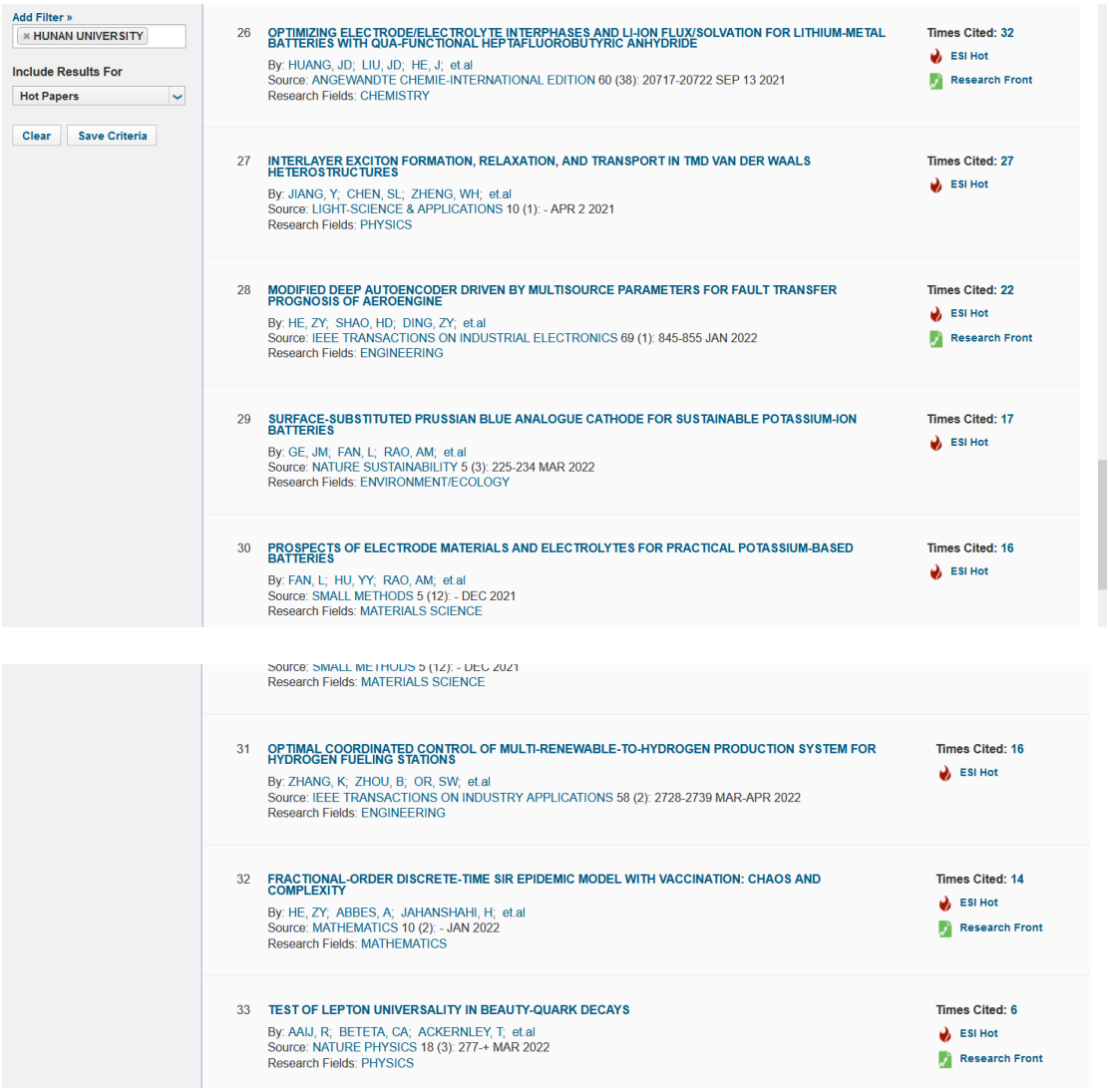
25 **INTEGRATED ALL-IN-ONE STRATEGY TO STABILIZE ZINC ANODES FOR HIGH-PERFORMANCE ZINC-ION BATTERIES**
By: LI, CP; XIE, XS; LIU, H; et al
Source: NATIONAL SCIENCE REVIEW 9 (3): - MAR 7 2022
Research Fields: MATERIALS SCIENCE
Times Cited: 36
ESI Hot
Research Front



以上 33 篇论文中有 5 篇是环境学院的论文：

1) Han Wang1, Hui Wang1, Ziwei Wang1, Lin Tang1, 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 $MnFe_2O_4$ 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 1, Xiaojuan Liu 1, Jiajia Wang 1, Yang Liu 1, 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-C3N4 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 MnFe2O4 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)