

1. Essential Science Indicators for Hot papers for Hunan University on 11 September, 2020



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1	SELECTIVE PREPARED CARBON NANOMATERIALS FOR ADVANCED PHOTOCATALYTIC APPLICATION IN ENVIRONMENTAL POLLUTANT TREATMENT AND HYDROGEN PRODUCTION By: YI, H; HUANG, DL; QIN, L; et.al Source: APPLIED CATALYSIS B-ENVIRONMENTAL 239: 408-424 DEC 30 2018 Research Fields: CHEMISTRY	Times Cited: 177 ESI Hot Research Front
2	BORON-DOPED GRAPHENE FOR ELECTROCATALYTIC N-2 REDUCTION By: YU, XM; HAN, P; WEI, ZX; et.al Source: JOURNAL 2 (8): 1610-1622 AUG 15 2018 Research Fields: ENGINEERING	Times Cited: 171 ESI Hot
3	CONSTRUCTION OF IODINE VACANCY-RICH BIO/AG/AGI Z-Scheme HETEROJUNCTION PHOTOCATALYSTS FOR VISIBLE-LIGHT-DRIVEN TETRACYCLINE DEGRADATION: TRANSFORMATION PATHWAYS AND MECHANISM INSIGHT By: YANG, Y; ZENG, ZT; ZHANG, C; et.al Source: CHEMICAL ENGINEERING JOURNAL 349: 808-821 OCT 1 2018 Research Fields: ENGINEERING	Times Cited: 162 ESI Hot Research Front
4	RECENT PROGRESSES IN SMALL-MOLECULE ENZYMIC FLUORESCENT PROBES FOR CANCER IMAGING By: LIU, HW; CHEN, LL; XU, CY; et.al Source: CHEMICAL SOCIETY REVIEWS 47 (18): 7140-7180 SEP 21 2018 Research Fields: CHEMISTRY	Times Cited: 158 ESI Hot Research Front

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5	BORON NITRIDE QUANTUM DOTS DECORATED ULTRATHIN POROUS G-C3N4: INTENSIFIED EXCITON DISSOCIATION AND CHARGE TRANSFER FOR PROMOTING VISIBLE-LIGHT-DRIVEN MOLECULAR OXYGEN ACTIVATION	By: YANG, Y; ZHANG, C; HUANG, DL; et.al Source: APPLIED CATALYSIS B-ENVIRONMENTAL 245: 87-99 MAY 15 2019 Research Fields: CHEMISTRY	Times Cited: 151 ESI Hot Research Front
6	RECENT PROGRESS IN COVALENT ORGANIC FRAMEWORK THIN FILMS: FABRICATIONS, APPLICATIONS AND PERSPECTIVES	By: WANG, H; ZENG, ZT; XU, P; et.al Source: CHEMICAL SOCIETY REVIEWS 48 (2): 488-516 JAN 21 2019 Research Fields: CHEMISTRY	Times Cited: 128 ESI Hot
7	FACILE ASSEMBLED BIOCHAR-BASED NANOCOMPOSITE WITH IMPROVED GRAPHITIZATION FOR EFFICIENT PHOTOCATALYTIC ACTIVITY DRIVEN BY VISIBLE LIGHT	By: YE, SJ; YAN, M; TAN, XF; et.al Source: APPLIED CATALYSIS B-ENVIRONMENTAL 250: 78-88 AUG 5 2019 Research Fields: CHEMISTRY	Times Cited: 126 ESI Hot Research Front
8	THE EFFECTS OF ACTIVATED BIOCHAR ADDITION ON REMEDIATION EFFICIENCY OF CO-COMPOSTING WITH CONTAMINATED WETLAND SOIL	By: YE, SJ; ZENG, GM; WU, HP; et.al Source: RESOURCES CONSERVATION AND RECYCLING 140: 278-285 JAN 2019 Research Fields: ENVIRONMENT/ECOLOGY	Times Cited: 126 ESI Hot Research Front
9	SYNERGISTIC EFFECT OF ARTIFICIAL ENZYME AND 2D NANO-STRUCTURED Bi2WO6 FOR ECO-FRIENDLY AND EFFICIENT BIOMIMETIC PHOTOCATALYSIS	By: YI, H; YAN, M; HUANG, DL; et.al Source: APPLIED CATALYSIS B-ENVIRONMENTAL 250: 52-62 AUG 5 2019 Research Fields: CHEMISTRY	Times Cited: 123 ESI Hot Research Front

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VISIBLE-LIGHT-DRIVEN REMOVAL OF TETRACYCLINE ANTIBIOTICS AND RECLAMATION OF HYDROGEN ENERGY FROM NATURAL WATER MATRICES AND WASTEWATER BY POLYMERIC CARBON NITRIDE FOAM

By: WANG, H; WU, Y; FENG, MB; et.al  
Source: WATER RESEARCH 144: 215-225 NOV 1 2018  
Research Fields: ENVIRONMENT/ECOLOGY

Times Cited: 117

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11

VAN DER WAALS INTEGRATION BEFORE AND BEYOND TWO-DIMENSIONAL MATERIALS

By: LIU, Y; HUANG, Y; DUAN, XF;  
Source: NATURE 567 (7748): 323-333 MAR 21 2019  
Research Fields: MATERIALS SCIENCE

Times Cited: 104

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12

SEMICONDUCTOR/BORON NITRIDE COMPOSITES: SYNTHESIS, PROPERTIES, AND PHOTOCATALYSIS APPLICATIONS

By: ZHOU, CY; LAI, C; ZHANG, C; et.al  
Source: APPLIED CATALYSIS B-ENVIRONMENTAL 238: 6-18 DEC 15 2018  
Research Fields: CHEMISTRY

Times Cited: 103

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13

A REVIEW OF THE HYDROTHERMAL CARBONIZATION OF BIOMASS WASTE FOR HYDROCHAR FORMATION: PROCESS CONDITIONS, FUNDAMENTALS, AND PHYSICOCHEMICAL PROPERTIES

By: WANG, TF; ZHAI, YB; ZHU, Y; et.al  
Source: RENEWABLE & SUSTAINABLE ENERGY REVIEWS 90: 223-247 JUL 2018  
Research Fields: ENGINEERING

Times Cited: 103

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14

MULTI-WALLED CARBON NANOTUBE/AMINO-FUNCTIONALIZED MIL-53(Fe) COMPOSITES: REMARKABLE ADSORPTIVE REMOVAL OF ANTIBIOTICS FROM AQUEOUS SOLUTIONS

By: XIONG, WP; ZENG, ZT; LI, X; et.al  
Source: CHEMOSPHERE 210: 1061-1069 NOV 2018  
Research Fields: ENVIRONMENT/ECOLOGY

Times Cited: 97

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CRYPTANALYZING AN IMAGE ENCRYPTION ALGORITHM BASED ON AUTOBLOCKING AND ELECTROCARDIOGRAPHY

By: LI, CQ; LIN, DD; LU, JH; et.al  
Source: IEEE MULTIMEDIA 25 (4): 46-56 OCT-DEC 2018  
Research Fields: COMPUTER SCIENCE

Times Cited: 93  
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16

HIERARCHICAL 3D ELECTRODES FOR ELECTROCHEMICAL ENERGY STORAGE

By: SUN, HT; ZHU, J; BAUMANN, D; et.al  
Source: NATURE REVIEWS MATERIALS 4 (1): 45-60 JAN 2019  
Research Fields: MATERIALS SCIENCE

Times Cited: 88  
ESI Hot

17

FABRICATION OF CUS/BVO4 (849) BINARY HETEROJUNCTION PHOTOCATALYSTS WITH ENHANCED PHOTOCATALYTIC ACTIVITY FOR CIPROFLOXACIN DEGRADATION AND MECHANISM INSIGHT

By: LAI, C; ZHANG, MM; LI, BS; et.al  
Source: CHEMICAL ENGINEERING JOURNAL 358: 891-902 FEB 15 2019  
Research Fields: ENGINEERING

Times Cited: 87  
ESI Hot

18

A CRITICAL REVIEW OF CATHODES FOR RECHARGEABLE MG BATTERIES

By: MAO, ML; GAO, T; HOU, SY; et.al  
Source: CHEMICAL SOCIETY REVIEWS 47 (23): 8804-8841 DEC 7 2018  
Research Fields: CHEMISTRY

Times Cited: 81  
ESI Hot  
Research Front

19

INHIBITING POLYSULFIDE SHUTTLING WITH A GRAPHENE COMPOSITE SEPARATOR FOR HIGHLY ROBUST LITHIUM-SULFUR BATTERIES

By: LEI, TY; CHEN, W; LV, WQ; et.al  
Source: JOURNAL 2 (10): 2091-2104 OCT 17 2018  
Research Fields: ENGINEERING

Times Cited: 77  
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20

OBSERVATION OF A NARROW PENTAQUARK STATE, P-C(4312)(+), AND OF THE TWO-PEAK STRUCTURE OF THE

Research Fields: PHYSICS

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OBSERVATION OF A NARROW PENTAQUARK STATE, P-C(4312)(+), AND OF THE TWO-PEAK STRUCTURE OF THE P-C(4450)(+)

By: AAJ, R; BETETA, CA; ADEVA, B; et.al  
Source: PHYSICAL REVIEW LETTERS 122 (22): - JUN 5 2019  
Research Fields: PHYSICS

Times Cited: 77  
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21

GRAPHITE ANODE FOR A POTASSIUM-ION BATTERY WITH UNPRECEDENTED PERFORMANCE

By: FAN, L; MA, RF; ZHANG, QF; et.al  
Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 58 (31): 10500-10505 JUL 29 2019  
Research Fields: CHEMISTRY

Times Cited: 66  
ESI Hot  
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22

DYNAMIC ANALYSIS OF DIGITAL CHAOTIC MAPS VIA STATE-MAPPING NETWORKS

By: LI, CQ; FENG, BB; LI, SJ; et.al  
Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS 66 (6): 2322-2335 JUN 2019  
Research Fields: ENGINEERING

Times Cited: 65  
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23

TRACE DOPING OF MULTIPLE ELEMENTS ENABLES STABLE BATTERY CYCLING OF LICOO2 AT 4.6V

By: ZHANG, JN; LI, QH; OUYANG, CY; et.al  
Source: NATURE ENERGY 4 (7): 594-603 JUL 2019  
Research Fields: ENGINEERING

Times Cited: 57  
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24

SULFUR DOPED CARBON QUANTUM DOTS LOADED HOLLOW TUBULAR G-C3N4 AS NOVEL PHOTOCATALYST FOR DESTRUCTION OF ESCHERICHIA COLI AND TETRACYCLINE DEGRADATION UNDER VISIBLE LIGHT

By: WANG, WJ; ZENG, ZT; ZENG, GM; et.al  
Source: CHEMICAL ENGINEERING JOURNAL 378: - DEC 15 2019  
Research Fields: ENGINEERING

Times Cited: 52  
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Ti3C2 MXENE/POROUS G-C3N4 INTERFACIAL SCHOTTKY JUNCTION FOR BOOSTING SPATIAL CHARGE SEPARATION IN PHOTOCATALYTIC H2O2 PRODUCTION

By: YANG, Y; ZENG, ZT; ZENG, GM; et.al  
Source: APPLIED CATALYSIS B-ENVIRONMENTAL 258: - DEC 5 2019  
Research Fields: CHEMISTRY

Times Cited: 48  
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Research Front

26

WHEN AN ATTACKER MEETS A CIPHER-IMAGE IN 2018: A YEAR IN REVIEW

By: LI, CQ; ZHANG, Y; XIE, EY;  
Source: JOURNAL OF INFORMATION SECURITY AND APPLICATIONS 48: - OCT 2019  
Research Fields: COMPUTER SCIENCE

Times Cited: 44  
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27

MAGNETIC NITROGEN-DOPED SLUDGE-DERIVED BIOCHAR CATALYSTS FOR PERSULFATE ACTIVATION: INTERNAL ELECTRON TRANSFER MECHANISM

By: YU, JF; TANG, L; PANG, Y; et.al  
Source: CHEMICAL ENGINEERING JOURNAL 364: 146-159 MAY 15 2019  
Research Fields: ENGINEERING

Times Cited: 42  
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28

CARBON FOAM WITH MICROPOROUS STRUCTURE FOR HIGH PERFORMANCE SYMMETRIC POTASSIUM DUAL-ION CAPACITOR

By: FENG, YH; CHEN, SH; WANG, J; et.al  
Source: JOURNAL OF ENERGY CHEMISTRY 43: 129-138 APR 2020  
Research Fields: CHEMISTRY

Times Cited: 38  
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29

DEEP LEARNING FOR HYPERSPECTRAL IMAGE CLASSIFICATION: AN OVERVIEW

By: LI, ST; SONG, WW; FANG, LY; et.al  
Source: IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING 57 (9): 6690-6709 SEP 2019  
Research Fields: GEOSCIENCES

Times Cited: 36  
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30 **BIOCHAR AS A SORBENT FOR EMERGING CONTAMINANTS ENABLES IMPROVEMENTS IN WASTE MANAGEMENT AND SUSTAINABLE RESOURCE USE** Times Cited: 36  
By: LI, LC; ZOU, DS; XIAO, ZH; et.al  
Source: JOURNAL OF CLEANER PRODUCTION 210: 1324-1342 FEB 10 2019  
Research Fields: ENGINEERING  
ESI Hot  
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31 **RECENT ADVANCES IN COVALENT ORGANIC FRAMEWORKS (COFs) AS A SMART SENSING MATERIAL** Times Cited: 34  
By: LIU, XG; HUANG, DL; LAI, C; et.al  
Source: CHEMICAL SOCIETY REVIEWS 48 (20): 5266-5302 OCT 21 2019  
Research Fields: CHEMISTRY  
ESI Hot

32 **PERSPECTIVES IN EMERGING BISMUTH ELECTROCHEMISTRY** Times Cited: 26  
By: WU, MG; XU, BL; ZHANG, YF; et.al  
Source: CHEMICAL ENGINEERING JOURNAL 381: - FEB 1 2020  
Research Fields: ENGINEERING  
ESI Hot  
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33 **VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC DEGRADATION OF SULFAMETHAZINE BY SURFACE ENGINEERING OF CARBON NITRIDE: PROPERTIES, DEGRADATION PATHWAY AND MECHANISMS** Times Cited: 26  
By: ZHOU, CY; ZENG, ZT; ZENG, GM; et.al  
Source: JOURNAL OF HAZARDOUS MATERIALS 380: - DEC 15 2019  
Research Fields: ENGINEERING  
ESI Hot

34 **PERFORMANCE-AWARE MODEL FOR SPARSE MATRIX-MATRIX MULTIPLICATION ON THE SUNWAY TAIHULIGHT SUPERCOMPUTER** Times Cited: 22  
By: CHEN, YD; LI, KL; YANG, WD; et.al  
Source: IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS 30 (4): 923-938 APR 2019  
Research Fields: COMPUTER SCIENCE  
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35 **NITROGEN DOPED POROUS CARBON AS EXCELLENT DUAL ANODES FOR LI- AND NA-ION BATTERIES** Times Cited: 22  
By: YAN, ZH; YANG, QW; WANG, QH; et.al  
Source: CHINESE CHEMICAL LETTERS 31 (2): 583-588 FEB 2020  
Research Fields: CHEMISTRY  
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Research Front

36 **THE UNDERLYING MECHANISM OF CALCIUM PEROXIDE PRETREATMENT ENHANCING METHANE PRODUCTION FROM ANAEROBIC DIGESTION OF WASTE ACTIVATED SLUDGE** Times Cited: 20  
By: WANG, DB; HE, DD; LIU, XR; et.al  
Source: WATER RESEARCH 164: - NOV 1 2019  
Research Fields: ENVIRONMENT/ECOLOGY  
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37 **A BI-LAYERED PARALLEL TRAINING ARCHITECTURE FOR LARGE-SCALE CONVOLUTIONAL NEURAL NETWORKS** Times Cited: 18  
By: CHEN, JG; LI, KL; BILAL, K; et.al  
Source: IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS 30 (5): 965-976 MAY 2019  
Research Fields: COMPUTER SCIENCE  
ESI Hot

38 **GERMANIUM/PEROVSKITE HETEROSTRUCTURE FOR HIGH-PERFORMANCE AND BROADBAND PHOTODETECTOR FROM VISIBLE TO INFRARED TELECOMMUNICATION BAND** Times Cited: 17  
By: HU, W; CONG, H; HUANG, W; et.al  
Source: LIGHT-SCIENCE & APPLICATIONS 8: - NOV 21 2019  
Research Fields: PHYSICS  
ESI Hot

39 **A MULTISCALE ANALYSIS FOR CARBON PRICE DRIVERS** Times Cited: 16  
By: ZHU, BZ; YE, SX; HAN, D; et.al  
Source: ENERGY ECONOMICS 78: 202-216 FEB 2019  
Research Fields: ECONOMICS & BUSINESS  
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40 **ENHANCED DEWATERABILITY OF ANAEROBICALLY DIGESTED SLUDGE BY IN-SITU FREE NITROUS ACID TREATMENT** Times Cited: 10  
By: LI, YF; WANG, DB; YANG, QJ; et.al  
Source: WATER RESEARCH 169: - FEB 1 2020  
Research Fields: ENVIRONMENT/ECOLOGY  
ESI Hot  
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41 **ON CRASHWORTHINESS DESIGN OF HYBRID METAL-COMPOSITE STRUCTURES** Times Cited: 8  
By: WANG, Z; JIN, XH; LI, Q; et.al  
Source: INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES 171: - APR 1 2020  
Research Fields: ENGINEERING  
ESI Hot

42 **2020 ROADMAP ON CARBON MATERIALS FOR ENERGY STORAGE AND CONVERSION** Times Cited: 6  
By: WU, MG; LIAO, JQ; YU, LX; et.al  
Source: CHEMISTRY-AN ASIAN JOURNAL 15 (7): 995-1013 APR 1 2020  
Research Fields: CHEMISTRY  
ESI Hot

43 **NOVEL CIRCOVIRUS SPECIES IDENTIFIED IN FARMED PIGS DESIGNATED AS PORCINE CIRCOVIRUS 4, HUNAN PROVINCE, CHINA** Times Cited: 6  
By: ZHANG, HH; HU, WQ; LI, JY; et.al  
Source: TRANSBOUNDARY AND EMERGING DISEASES: - DEC 24 2019  
Research Fields: PLANT & ANIMAL SCIENCE  
ESI Hot



以上 43 篇论文中有 19 篇是环境学院的论文:

1) Yang Yang<sup>1</sup>, Zhuotong Zeng<sup>1</sup>, Chen Zhang<sup>1</sup>, Danlian Huang<sup>1</sup>, Guangming Zeng\*, Rong Xiao\*, Cui Laia, Chengyun Zhou, Hai Guo, Wenjing Xue, Min Cheng, Wenjun Wang, Jiajia Wang. Construction of iodine vacancy-rich BiOI/Ag@AgI Z-scheme heterojunction photocatalysts for visible-light-driven tetracycline degradation: transformation pathways and mechanism insight. Chemical Engineering Journal (SCI 2019 IF=10.652). 2018. 349: 808-821 ( 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)

2) Yang Yang<sup>1</sup>, Chen Zhang<sup>1</sup>, Danlian Huang<sup>1</sup>, Guangming Zeng\*, Jinhui Huang\*, Cui Lai, Chengyun Zhou, Wenjun Wang, Hai Guo, Wenjing Xue, Rui Deng, Min Cheng, Weiping Xiong. Boron nitride quantum dots decorated ultrathin porous g-C<sub>3</sub>N<sub>4</sub>: Intensified exciton dissociation and charge transfer for promoting visible-light-driven molecular oxygen activation. Applied Catalysis B: Environmental (SCI 2019 IF=16.683), 2019, 245, 87-99 (ESI Highly Cited Paper and Hot Paper and ESI Research Front, ESI Hot Paper 第 6 次上榜).

3) Yang Yang<sup>1</sup>, Zhuotong Zeng<sup>1</sup>, Guangming Zeng\*, Danlian Huang\*, Rong Xiao\*, Chen Zhang, Chengyun Zhou, Weiping Xiong, Wenjun Wang, Min Cheng, Wenjing Xue, Hai Guo, Xiang Tang, Donghui He, Ti<sub>3</sub>C<sub>2</sub> Mxene/porous g-C<sub>3</sub>N<sub>4</sub> interfacial Schottky junction for boosting spatial charge separation in photocatalytic H<sub>2</sub>O<sub>2</sub> production, APPLIED CATALYSIS B-ENVIRONMENTAL, 2019, 258, 117956 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 2 次上榜 )

4) Shujing Ye<sup>1</sup>, Min Yan<sup>1</sup>, Xiaofei Tan<sup>1</sup>, Jie Liang<sup>1</sup>, 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, 2019, 250, 78-88 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 4 次上榜 )

5) Shujing Ye, Guangming Zeng\*, Haipeng Wu\*, Jie Liang, Chang Zhang, Juan Dai, Weiping Xiong, Biao Song, Shaohua Wu, Jiangfang Yu. The effects of activated biochar addition on remediation efficiency of co-composting with contaminated wetland soil. Resources, Conservation & Recycling (SCI 2019 IF=8.086). 2019. 140: 278-285 (ESI Hot Paper and ESI Highly Cited Paper and Research Front, ESI Hot Paper 第 4 次上榜)

6) Huan Yi<sup>1</sup>, Ming Yan<sup>1</sup>, Danlian Huang<sup>1</sup>, 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 Bi<sub>2</sub>WO<sub>6</sub> for eco-friendly and efficient biomimetic photocatalysis. *Applied Catalysis B: Environmental*, 2019, 250, 52-62 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 4 次上榜 )

7) Huan Yi<sup>1</sup>, Danlian Huang<sup>1</sup>, Lei Qin<sup>1</sup>, Guangming Zeng\*, Cui Lai\*, Min Cheng, Shujing Ye, Biao Song, Xiaoya Ren, Xueying Guo. Selective Prepared Carbon Nanomaterials for Advanced Photocatalytic Application in Environmental Pollutant Treatment and Hydrogen Production. *Applied Catalysis B: Environmental* (SCI 2017 IF=11.69). 2018.239:408-424 (ESI Hot Paper and ESI Highly Cited Paper and ESI Research Front, ESI Hot Paper 第 1 次上榜 )

8) Chengyun Zhou<sup>1</sup>, Zhuotong Zeng<sup>1</sup>, Guangming Zeng\*, Danlian Huang\*, Rong Xiao\*, Min Cheng, Chen Zhang, Weiping Xiong, Cui Lai, Yang Yang, Wenjun Wang, Huan Yi, Bisheng Li. Visible-light-driven photocatalytic degradation of sulfamethazine by surface engineering of carbon nitride: Properties, degradation pathway and mechanisms. *Journal of Hazardous Materials* (SCI 2019 IF=9.038), 2019, 380, 120815. (ESI Hot Paper, ESI Hot Paper 第 2 次上榜).

9) Chengyun Zhou<sup>1</sup>, Cui Lai<sup>1</sup>, Chen Zhang<sup>1</sup>, Guangming Zeng\*, Danlian Huang\*, Min Cheng, Liang Hu, Weiping Xiong, Ming Chen, Jiajia Wang, Yang Yang, Longbo Jiang. Semiconductor/boron nitride composites: synthesis, properties, and photocatalysis applications. *Applied Catalysis B: Environmental* (SCI 2019 IF=16.683). 2018.238: 6-18 (ESI Highly Cited Paper and ESI Hot Paper, ESI Hot Paper 第 3 次上榜)

10) Cui Lai\*, Mingming Zhang, Bisheng Li, Danlian Huang\*, Guangming Zeng, Lei Qin, Xigui Liu, Huan Yi, Min Cheng, Ling Li, Zhang Chen, Liang Chen. Fabrication of CuS/BiVO<sub>4</sub> (040) binary heterojunction photocatalysts with enhanced photocatalytic activity for Ciprofloxacin degradation and mechanism insight. *Chemical Engineering Journal* (SCI 2019 IF=10.652). 2019.358:891-902. (ESI Highly Cited Paper and ESI Hot Paper and Research Front, ESI Hot Paper 第 5 次上榜)

11) Han Wang<sup>1</sup>, Zhuotong Zeng<sup>1</sup>, Piao Xu<sup>1</sup>, Lianshan Li<sup>1</sup>, Guangming Zeng\*, Rong Xiao\*, Zhiyong Tang\*, Danlian Huang, Lin Tang, Cui Lai, Danni Jiang, Yang Liu, Huan Yi, Lei Qin, Shujing Ye, Xiaoya Ren and Wangwang Tang. Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. *Chemical Society Reviews* (SCI 2017 IF=40.182, 中科院 JCR 1 区, TOP 期刊). 2019.48: 488-516 (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 4 次上榜)

12) Wenjun Wang<sup>1</sup>, Zhuotong Zeng<sup>1</sup>, Guangming Zeng\*, Chen Zhang\*, Rong Xiao\*, Chengyun Zhou, Weiping Xiong, Yang Yang, Lei Lei, Yang Liu, Danlian Huang, Min Cheng, Yaya Yang, Yukui Fu, Hanzhuo Luo, Yin Zhou, Sulfur doped carbon quantum dots loaded hollow tubular g-C<sub>3</sub>N<sub>4</sub> as novel photocatalyst for destruction of Escherichia coli and tetracycline

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