研究院2019年发表论文清单（持续更新中）

2019-08-27 15:00 审核人： （阅读668）

1. Bo Wang, Kemeng Xiao, Zhifeng Jiang, Jianfang Wang, Jimmy C. Yu,Po Keung Wong. Biohybrid photoheterotrophic metabolism for significant enhancement of biological nitrogen fixation in pure microbial cultures. ***Energy & Environmental Science*** 2019, 12(7):2185-2191. **(IF_{2018} =33.250)**

2. Min Seok Koo, Xiaofang Chen, Kangwoo Cho, Taicheng An,Wonyong Choi. In Situ Photoelectrochemical Chloride Activation Using WO3 Electrode for Oxidative Treatment with Simultaneous H2 Evolution under Visible Light. ***Environmental Science & Technology*** 2019, 53:9926-9936. **(IF_{2018} =7.149)**

3. Zihao Wu#, Chunyan Chen#, Ben-Zhan Zhu, Chun-Hua Huang, Taicheng An, Fangang Meng, Jingyun Fang. Reactive nitrogen species are also involved in the transformation of micropollutants by the UV/monochloramine process. ***Environmental Science & Technology*** 2019, 53:11142-11152. (**IF_{2018} =7.149**)

4. Wilmarie Marrero-Ortiz#, Min Hu*, Zhuofei Du#, Yuemeng Ji*, Yujue Wang, Song Guo, Yun Lin, Mario Gomez-Hermandez, Jianfei Peng, Yixin Li, Jeremiah Secrest, Misti Levy Zamora, Yuan Wang, Taicheng An,Renyi Zhang*. Formation and Optical Properties of Brown Carbon from Small α-Dicarbonyls and Amines. ***Environmental Science & Technology*** 2019, 53:117-126. **(IF_{2018} =7.149)**

5. Ningyuan Zhu, Sichu Wang, Cilai Tang, Pengfei Duan, Lunguang Yao, Jun Tang*, Po Keung Wong, **Taicheng An,** Dionysios D. Dionysiou,Yonghong Wu. Protection Mechanisms of Periphytic Biofilm to Photocatalytic Nanoparticle Exposure. ***Environmental Science & Technology*** **2019**, 53(3):1585-1594. **(IF_{2018} =7.149)**

6. Qixing Zhou, Shaohu Ouyang, Zhimin Ao, Jing Sun, Guanlan Liu,Xiangang Hu. Integrating Biolayer Interferometry, Atomic Force Microscopy, and Density Functional Theory Calculation Studies on the Affinity between Humic Acid Fractions and Graphene Oxide. ***Environmental Science & Technology*** 2019, 53(7):3773-3781. **(IF_{2018} =7.149)**

7. Wangwang Tang, Xiangxi Wang, Guangming Zeng, Jie Liang, Xiaodong Li, Wenle Xing, Di He, Lin Tang,Zhifeng Liu. Electro-assisted Adsorption of Zn(II) on Activated Carbon Cloth in Batch-Flow Mode: Experimental and Theoretical Investigations. ***Environmental Science & Technology*** 2019, 53(5):2670-2678. (**IF_{2018} =7.149**)

8. Yu Lei, Shuangshuang Cheng, Na Luo, Xin Yang,Taicheng An. Rate Constants and Mechanisms of the Reactions of Cl and Cl2- with Trace Organic Contaminants. ***Environmental Science & Technology*** 2019, 53(19):11170-11182. (**IF_{2018} =7.149**)

9. Yu Yin, Lei Shi, Wenlang Li, Xuning Li, Hong Wu, Zhimin Ao, Wenjie Tian, Shaomin Liu, Shaobin Wang,Hongqi Sun. Boosting Fenton-Like Reactions via Single Atom Fe Catalysis. ***Environmental Science & Technology*** 2019, 53(19):11391-11400. (**IF_{2018} =7.149**)

10. Hongli Liu, Yaping Ma, Jiangyao Chen, Meicheng Wen, Guiying Li, Taicheng An*. Highly efficient visible-light-driven photocatalytic degradation of VOCs by CO2-assisted synthesized mesoporous carbon confined mixed-phase TiO2 nanocomposites derived from MOFs. ***Applied Catalysis B: Environmental*** 2019, 250:337-346. (**IF_{2018} =14.229**)

11. Hongliang Yin, Xiaofang Chen, Guiying Li, Yongdi Chen, Wanjun Wang, Taicheng An*, Po Keung Wong,Huijun Zhao*. Sub-lethal photocatalysis bactericidal technology cause longer persistence of antibiotic-resistance mutant and plasmid through the mechanism of reduced fitness cost. ***Applied Catalysis B: Environmental*** **2019**, 245:698-705. (**IF_{2018} =14.229**)

12. Jiangyao Chen, Zhigui He, Yuemeng Ji, Guiying Li, Taicheng An,Wonyong Choi. ·OH radicals determined photocatalytic degradation mechanisms of gaseous styrene in TiO2 system under 254 nm versus 185 nm irradiation: Combined experimental and theoretical studies. ***Applied Catalysis B: Environmental*** 2019, 257:117912. (**IF_{2018} =14.229**)

13. Zhifeng Jiang, Bo Wang, Yan Li, Ho Shing Chan, Hongli Sun, Tianqi Wang, Huaming Li, Shouqi Yuan, Michael K. H. Leung, Anhuai Lu,Po Keung Wong. Solar-light-driven rapid water disinfection by ultrathin magnesium titanate/carbon nitride hybrid photocatalyst: Band structure analysis and role of reactive oxygen species. ***Applied Catalysis B: Environmental*** 2019, 257:117898. (**IF_{2018} =14.229**)

14. Xiaoguang Duan, Jian Kang, Wenjie Tian, Huayang Zhang, Shih-Hsin Ho, Yi-An Zhu, Zhimin Ao, Hongqi Sun,Shaobin Wang. Interfacial-engineered cobalt@carbon hybrids for synergistically boosted evolution of sulfate radicals toward green oxidation. ***Applied Catalysis B: Environmental*** 2019, 256:117795. (**IF_{2018} =14.229**)

15. Shuaijun Wang, Fengting He, Xiaoli Zhao, Jinqiang Zhang, Zhimin Ao, Hong Wu, Yu Yin, Lei Shi, Xinyuan Xu, Chaocheng Zhao, Shaobin Wang,Hongqi Sun. Phosphorous doped carbon nitride nanobelts for photodegradation of emerging contaminants and hydrogen evolution. ***Applied Catalysis B: Environmental*** 2019, 257:117931. (**IF_{2018} =14.229**)

16. Yingxin Yu, Sufang Lou, Xinxin Wang, Shaoyou Lu, Shentao Ma, Guiying Li, Yan Feng, Xinyu Zhang, **Taicheng An***. Relationships between the bioavailability of polybrominated diphenyl ethers in soils measured with female C57BL/6 mice and the bioaccessibility determined using five in vitro methods. ***Environment International*** 2019,123:337-344. **(IF_{2018} =7.943**)

17. Yanpeng Gao, Guiying Li, Yaxin Qin, Yuemeng Ji, Bixian Mai,Taicheng An. New theoretical insight into indirect photochemical transformation of fragrance nitro-musks: Mechanisms, eco-toxicity and health effects. ***Environment International*** 2019, 129:68-75. **(IF_{2018} =7.943**)

18. Wanjun Wang, Hanna Wang, Guiying Li, Taicheng An*, Huijun Zhao, Po Keung Wong*. Catalyst-free activation of persulfate by visible light for water disinfection: Efficiency and mechanisms. ***Water Research*** 2019, 157:106-118. (**IF_{2018}=7.913**)

19. Xiaofang Chen, Hongliang Yin, Guiying Li, Wanjun Wang, Po Keung Wong, Huijun Zhao,Taicheng An*. Antibiotic-resistance gene transfer in antibiotic-resistance bacteria under different light irradiation: Implications from oxidative stress and gene expression. ***Water Research***. 2019, 149:282-291. (**IF_{2018}=7.913**)

20. Chunyang Nie, Zhenhua Dai, Hong Meng, Xiaoguang Duan, Yanlin Qin, Yanbo Zhou, Zhimin Ao, Shaobin Wang,Taicheng An. Peroxydisulfate activation by positively polarized carbocatalyst for enhanced removal of aqueous organic pollutants. ***Water Research*** 2019, 166:115043-115043. (**IF_{2018}=7.913**)

21. Wangwang Tang, Jie Liang, Di He, Jilai Gong, Lin Tang, Zhifeng Liu, Dongbo Wang,Guangming Zeng. Various cell architectures of capacitive deionization: Recent advances and future trends. ***Water Research*** 2019, 150:225-251. (**IF_{2018}=7.913**)

22. Meicheng Wen, Guiying Li, Hongli Liu, Jiangyao Chen, Taicheng An*, Hiromi Yamashita*. Metal-organic frameworks-based nanomaterials for adsorption and photocatalytic degradation of gaseous pollutants: recent progress and challenges. ***Environmental Science-Nano*** 2019, 6(4):1006-1025. **(IF_{2018} =7.704)**

23. Weiping Zhang, Guiying Li, Hongli Liu, Jiangyao Chen, Shengtao Ma, Taicheng An*. Micro/nano-bubble assisted synthesis of Au/TiO2@CNTs composite photocatalyst for photocatalytic degradation of gaseous styrene and its enhanced catalytic mechanism. ***Environmental Science-Nano*** 2019, 6:948-958. **(IF_{2018} =7.704)**

24. Peng Wei, Dandan Qin, Jiangyao Chen*, Yanxu Li, Meicheng Wen, Yuemeng Ji*, Guiying Li, Taicheng An. Photocatalytic ozonation mechanism of gaseous *n*-hexane on MO_x–TiO_2–foam nickel composite (M = Cu, Mn, Ag): unveiling the role of $^{\cdot}OH$ and $^{\cdot}O_2^-$. ***Environmental Science-Nano*** 2019, 6:959-969. **(IF_{2018} =7.704)**

25. Di He, Shikha Garg, Zimeng Wang, Lingxiangyu Li, Hongyan Rong, Xiaoming Ma, Guiying Li, Taicheng An,T. David Waite. Silver sulfide nanoparticles in aqueous environments: formation, transformation and toxicity. ***Environmental Science-Nano*** 2019, 6(6):1674-1687. (**IF_{2018} =7.704**)

26. Weina Zhang, Yuemeng Ji, Guiying Li, Qiuju Shi,Taicheng An. The heterogeneous reaction of dimethylamine/ammonia with sulfuric acid to promote the growth of atmospheric nanoparticles. ***Environmental Science-Nano*** 2019, 6(9):2767-2776. (**IF_{2018} =7.704**)

27. Ying Hu, Jian Wang, Hongwei Sun, Shaohui Wang, Xiaomei Liao, Jun Wang,Taicheng An. Roles of extracellular polymeric substances in the bactericidal effect of nanoscale zero-valent iron: trade-offs between physical disruption and oxidative damage. ***Environmental Science-Nano*** 2019, 6(7):2061-2073. **(IF_{2018} =7.704)**

28. Lei Wang, Pengxia Jin, Shuhua Duan, Jingwei Huang, Houde She, Qizhao Wang*,Taicheng An*. Accelerated Fenton-like kinetics by visible-light-driven catalysis over iron(iii) porphyrin functionalized zirconium MOF: effective promotion on the degradation of organic contaminants. ***Environmental Science-Nano*** 2019, 6(8):2652-2661. **(IF_{2018} =7.704)**

29. Fengliang Wang, Yingfei Wang, Yuliang Wu, Dandan Wei, Lei Li, Qianxin Zhang, Haijin Liu, Yang Liu, Wenying Lv,Guoguang Liu. Template-free synthesis of oxygen-containing ultrathin porous carbon quantum dots/g-C3N4 with superior photocatalytic activity for PPCPs remediation. ***Environmental Science-Nano*** 2019, 6(8):2565-2576. (**IF_{2018} =7.704**)

30. Yuanhong Zhong, Zhi-Feng Chen, Shi-Chao Yan, Wen-Wen Wei, Qianxin Zhang, Guoguang Liu, Zongwei Cai,Lin Yu. Photocatalytic transformation of climbazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxymonosulfate. ***Environmental Science-Nano*** **2019**, 6(10):2986-2999. (**IF_{2018} =7.704**)

31. Xiaoguang Duan, Wenjie Tian, Huayang Zhang, Hongqi Sun, Zhimin Ao, Zongping Shao,Shaobin Wang. sp(2)/sp(3) Framework from Diamond Nanocrystals: A Key Bridge of Carbonaceous Structure to Carbocatalysis. ***Acs Catalysis*** 2019, 9(8):7494-7519. (**IF_{2018} =12.221**)

32. Shaofeng Zhou, Lihua Zhou, Yaping Zhang, Jian Sun, Junlin Wen,Yong Yuan. Upgrading earth-abundant biomass into three-dimensional carbon materials for energy and environmental applications. ***Journal Of Materials Chemistry A*** 2019, 7(9):4217-4229. **(IF_{2018}=10.733**)

33. Lin Ma, Deqiang Guo, Mengting Li, Cheng Wang, Zilin Zhou, Xin Zhao, Fangteng Zhang, Zhimin Ao,Zhaogang Nie. Temperature-Dependent Thermal Decomposition Pathway of Organic-Inorganic Halide Perovskite Materials. Chemistry Of Materials 2019, 31(20):8515-8522. **(IF_{2018}=10.159**)

34. Jialin Liang, Jinjia Huang, Siwei Zhang, Xian Yang, Shaosong Huang, Li Zheng, Maoyou Ye,Shuiyu Sun. A highly efficient conditioning process to improve sludge dewaterability by combining calcium hypochlorite oxidation, ferric coagulant re-flocculation, and walnut shell skeleton construction. ***Chemical Engineering Journal*** 2019, 361:1462-1478. **(IF_{2018} =8.355)**

35. Qingyun Song, Yiping Feng, Guoguang Liu,Wenying Lv. Degradation of the flame retardant triphenyl phosphate by ferrous ion-activated hydrogen peroxide and persulfate: Kinetics, pathways, and mechanisms. ***Chemical Engineering Journal*** 2019, 361:929-936. **(IF_{2018} =8.355)**

36. Zhi-Gang Zhou, Hong-Mei Du, Zhenhua Dai, Yi Mu, Lin-Lin Tong, Qiu-Ju Xing, Shan-Shan Liu, Zhimin Ao,Jian-Ping Zou. Degradation of organic pollutants by peroxymonosulfate activated by MnO2 with different crystalline structures: Catalytic performances and mechanisms. ***Chemical Engineering Journal*** 2019, 374:170-180. **(IF_{2018} =8.355)**

37. Jiaxing Huang, Daguang Li, Ruobai Li, Qianxin Zhang, Tiansheng Chen, Haijin Liu, Yang Liu, Wenying Lv,Guoguang Liu. An efficient metal-free phosphorus and oxygen co-doped g-C3N4 photocatalyst with enhanced visible light photocatalytic activity for the degradation of fluoroquinolone antibiotics. ***Chemical Engineering Journal*** 2019, 374:242-253. (**IF_{2018} =8.355**)

38. Hongli Sun#, Zhifeng Jiang#, Dan Wu, Liqun Ye, Tianqi Wang, Bo Wang, Taicheng An*,Po Keung Wong*. Defect-Type-DependentNear-Infrared-Driven Photocatalytic Bacterial Inactivation by Defective Bi2S3 nanorods. ***Chemsuschem*** 2019, 12(4):890-897. **(IF_{2018} =7.804)**

39. Jiejing Kong, Guiying Li, Meicheng Wen, Jiangyao Chen, Hongli Liu,**Taicheng An***. The synergic degradation mechanism and photothermocatalytic mineralization of typical VOCs over PtCu/CeO2 ordered porous catalysts under simulated solar irradiation. ***Journal of Catalysis,*** **2019**, 370:88-96. (**IF_{2018} =7.723**)

40. Ranran Liu, Shengtao Ma, Guiying Li, Yingxin Yu,Taicheng An*. Comparing pollution patterns and human exposure to atmospheric PBDEs and PCBs emitted from different e-waste dismantling processes. ***Journal Of Hazardous Materials*** 2019, 369:142-149. (**IF_{2018} =7.650**)

41. Siwei Zhang, Jialin Liang, Jinjia Huang, Shaosong Huang, Li Zheng, Shuiyu Sun, Zhenyi Zhong, Xinghong Zhang, Xiaoyu Yu,Zhijie Guan. Analysis of the relationship of extracellular polymeric substances to the dewaterability and rheological properties of sludge treated by acidification and anaerobic mesophilic digestion. ***Journal Of Hazardous Materials*** 2019, 369:31-39. (**IF_{2018} =7.650**)

42. Songfeng Wang, Xiaohan Ling, Xuan Wu, Lianhong Wang, Guiying Li, Philippe Francois-Xavier Corvini, Feifei Sun,Rong Ji. Release of tetrabromobisphenol A (TBBPA)-derived non-extractable residues in oxic soil and the effects of the TBBPA-degrading bacterium Ochrobactrum sp. strain T. ***Journal Of Hazardous Materials*** 2019, 378:120666-120666. (**IF_{2018} =7.650**)

43. Jie Guo, Xiaomei Luo, Shufei Tan, Oladele A. Ogunseitan,Zhenming Xu. Thermal degradation and pollutant emission from waste printed circuit boards mounted with electronic components. ***Journal Of Hazardous Materials*** 2019, 382:121038-121038. (**IF_{2018} =7.650**)

44. Jian Lu, Tenghao Wang, Yi Zhou, Changzheng Cui, Zhimin Ao,Yanbo Zhou. Dramatic enhancement effects of l-cysteine on the degradation of sulfadiazine in Fe3+/CaO2 system. ***Journal Of Hazardous Materials*** 2019, 383:121133-121133. (**IF_{2018} =7.650**)

45. Ming Wu, Xin He, Binghua Jing, Teng Wang, Chengyin Wang, Yanlin Qin, Zhimin Ao, Shaobin Wang,Taicheng An. Novel carbon and defects co-modified g-C3N4 for highly efficient photocatalytic degradation of bisphenol A under visible light. ***Journal Of Hazardous Materials*** 2019, 384:121323-121323. (**IF_{2018} =7.650**)

46. Ruobai Li, Jiashu Huang, Meixuan Cai, Jiaxing Huang, Zhijie Xie, Qianxin Zhang, Yang Liu, Haijin Liu, Wenying Lv,Guoguang Liu. Activation of peroxymonosulfate by Fe doped g-C3N4 /graphene under visible light irradiation for Trimethoprim degradation. ***Journal Of Hazardous Materials*** **2019**:121435-121435. (**IF_{2018} =7.650**)

47. Yixiong Pang, Lingjun Kong, Diyun Chen, Gutha Yuvaraja,Sajid Mehmood. Facilely synthesized cobalt doped hydroxyapatite as hydroxyl promoted peroxymonosulfate activator for degradation of Rhodamine B. ***Journal Of Hazardous Materials*** **2019**:121447-121447. (**IF_{2018} =7.650**)

48. Yanhao Zhang, Yuanyuan Song, Jie Wu, Ruijin Li, Di Hu, Zian Lin,Zongwei Cai. A magnetic covalent organic framework as an adsorbent and a new matrix for enrichment and rapid determination of PAHs and their derivatives in PM2.5 by surface-assisted laser desorption/ionization-time of flight-mass spectrometry. ***Chemical communications*** 2019, 55(26):3745-3748. (**IF_{2018} =6.164**)

49. Chunxiao Zhao, Biao Liu, Xuning Li, Kaixin Zhu, Ruisheng Hu, Zhimin Ao,Junhu Wang. A Co-Fe Prussian blue analogue for efficient Fenton-like catalysis: the effect of high-spin cobalt. ***Chemical communications*** **2019**, Article in Press (**IF_{2018} =6.164**)

50. Haiming Cai, Jingyong Liu, Wuming Xie, Jiahong Kuo, Musa Buyukada,Fatih Evrendilek. Pyrolytic kinetics, reaction mechanisms and products of waste tea via TG-FTIR and Py-GC/MS. ***Energy Conversion And Management*** 2019, 184:436-447. (**IF_{2018} =7.181**)

51. Junhui Zhang, Jingyong Liu, Fatih Evrendilek, Xiaochun Zhang,Musa Buyukada. TG-FTIR and Py-GC/MS analyses of pyrolysis behaviors and products of cattle manure in CO2 and N-2 atmospheres: Kinetic, thermodynamic, and machine-learning models. ***Energy Conversion And Management*** 2019, 195:346-359. (**IF_{2018} =7.181**)

52. Bo Wang, Zhifeng Jiang, Jimmy C. Yu, Jianfang Wang,Po Keung Wong. Enhanced CO2 reduction and valuable C2+ chemical production by a CdS-photosynthetic hybrid system. ***Nanoscale*** **2019**, 11(19):9296-9301. **(IF_{2018} =6.970)**

53. Jianli Huang, Jingyong Liu, Jiahong Kuo, Wuming Xie, Xiaochun Zhang, Kenlin Chang, Musa Buyukada,Fatih Evrendilek. Kinetics, thermodynamics, gas evolution and empirical optimization of (co-)combustion performances of spent mushroom substrate and textile dyeing sludge. ***Bioresource Technology*** 2019, 280:313-324. (**IF_{2018} =6.669**)

54. Guangpeng Chen, Liying Bin, Bing Tang, Shaosong Huang, Ping Li, Fenglian Fu, Luying Wu,Zhiwen Yang. Rapid reformation of larger aerobic granular sludge in an internal-circulation membrane bioreactor after long-term operation: Effect of short-time aeration. ***Bioresource Technology*** 2019, 273:462-467. (**IF_{2018} =6.669**)

55. Jingyong Liu, Limao Huang, Wuming Xie, Jiahong Kuo, Musa Buyukada,Fatih Evrendilek. Characterizing and optimizing (co-) pyrolysis as a function of different feedstocks, atmospheres, blend ratios, and heating rates. ***Bioresource Technology*** 2019, 277:104-116. (**IF_{2018} =6.669**)

56. Huihuang Zou, Fatih Evrendilek, Jingyong Liu,Musa Buyukada. Combustion behaviors of pileus and stipe parts of Lentinus edodes using thermogravimetric-mass spectrometry and Fourier transform infrared spectroscopy analyses: Thermal conversion, kinetic, thermodynamic, gas emission and optimization analyses. ***Bioresource Technology*** 2019, 288:121481-121481. (**IF_{2018} =6.669**)

57. Xiaojian Liao, Shuiyu Sun, Siyu Zhou, Maoyou Ye, Jialin Liang, Jinjia Huang, Zhijie Guan,Shoupeng Li. A new strategy on biomining of low grade base-metal sulfide tailings. ***Bioresource Technology*** 2019, 294:122187-122187. (**IF_{2018} =6.669**)

58. Yao He, Si Chen, Junjie Chen, Dongxia Liu, Xunan Ning, Jingyong Liu,Tiejun Wang. Consequence of replacing nitrogen with carbon dioxide as atmosphere on suppressing the formation of polycyclic aromatic hydrocarbons in catalytic pyrolysis of sawdust. ***Bioresource Technology*** **2019**:122417-122417. (**IF_{2018} =6.669**)

59. Guang Sun, Gang Zhang, Jingyong Liu, Wuming Xie, Fatih Evrendilek,Musa Buyukada. (Co-)combustion behaviors and products of spent potlining and textile dyeing sludge. ***Journal Of Cleaner Production*** **2019**, 224:384-395. (**IF_{2018} =6.395**)

60. Yueyao Song, Jingyong Liu, Fatih Evrendilek, Jiahong Kuo,Musa Buyukada. Combustion behaviors of Pteris vittata using thermogravimetric, kinetic, emission and optimization analyses. ***Journal Of Cleaner Production*** 2019, 237:117772. (**IF_{2018} =6.395**)

61. Haiming Cai, Jingyong Liu, Jiahong Kuo, Musa Buyukada,Fatih Evrendilek. Thermal characteristics, kinetics, gas emissions and thermodynamic simulations of (co-)combustions of textile dyeing sludge and waste tea. ***Journal Of Cleaner Production*** **2019**, 239 (**IF_{2018} =6.395**)

62. Ruixia Yuan, Jincheng Liu, Zhijun Li, Yanguang Chen, Zhaohui Wang, Zhanjian Liu, Guolin Jing, Yanji Zhu,Huaiyuan Wang. Ultrahigh-flux (>190,000 L·m-2h-1) separation of oil and water by a robust and durable Cu(OH)2 nanoneedles mesh with inverse wettability. ***Journal Of Colloid And Interface Science*** 2019, 555:569-582. (**IF_{2018} =6.361**)

63. Ruixia Yuan, Jincheng Liu, Zhijun Li, Yanguang Chen, Zhaohui Wang, Zhanjian Liu, Guolin Jing, Yanji Zhu,Huaiyuan Wang. Ultrahigh-flux (>190,000 L·m-2h-1) separation of oil and water by a robust and durable Cu(OH)2 nanoneedles mesh with inverse wettability. ***Journal Of Colloid And Interface Science*** 2019, 555:569-582. (**IF_{2018} =6.361**)

64. Chunxue Yang, Hin Kiu Lee, Yanhao Zhang, Li-Long Jiang, Zhi-Feng Chen, Arthur Chi Kong Chung,Zongwei Cai. In Situ Detection and Imaging of PFOS in Mouse Kidney by Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. ***Analytical chemistry*** 2019, Article in Press (**IF_{2018} =6.350**)

65. Shengtao Ma, Yingxin Yu, Yan Yang, Guiying Li,Taicheng An. A new advance in the potential exposure to "old" and "new" halogenated flame retardants in the atmospheric environments and biota: From occurrence to transformation products and metabolites. ***Critical Reviews In Environmental Science And Technology*** **2019**, (**IF_{2018} =5.980**)

66. Guiying Li, Yi Liao, Junjie Hu, Lirong Lu, Yanan Zhang, Bing Li,Taicheng An. Activation of NF-kappaB pathways mediating the inflammation and pulmonary diseases associated with atmospheric methylamine exposure. ***Environmental pollution*** 2019, 252(Pt B):1216-1224. (**IF_{2018} =5.714**)

67. Jianbiao Peng, Chaonan Zhang, Ya Zhang, Dong Miao, Yaozong Zhang, Haijin Liu, Jinghua Li, Lei Xu, Jialu Shi, Guoguang Liu,Shixiang Gao. Enhanced Cu(II)-mediated fenton-like oxidation of antimicrobials in bicarbonate aqueous solution: Kinetics, mechanism and toxicity evaluation. ***Environmental pollution*** 2019, Article in Press (**IF_{2018} =5.714**)

68. Ning Wang, Xing Hu, Shaoyou Lu, Shengtao Ma, Li Kang, Shicheng Liao,Yingxin Yu. Interrelationship of anthropogenic activity and parabens in fish from Taihu Lake during 2009-2017. ***Environmental pollution*** 2019, 252(Pt B):1002-1009. (**IF_{2018} =5.714**)

69. Wanlan Zhang, Yanpeng Gao, Yaxin Qin, Mei Wang, Junji Wu, Guiying Li,Taicheng An*. Photochemical degradation kinetics and mechanism of short-chain chlorinated paraffins in aqueous solution: A case of 1-chlorodecane. ***Environmental pollution*** 2019, 247:362-370. **(IF_{2018} =5.714)**

70. Shaoyou Lu, Ning Wang, Shengtao Ma, Xing Hu, Li Kang,Yingxin Yu. Parabens and triclosan in shellfish from Shenzhen coastal waters: Bioindication of pollution and human health risks. ***Environmental pollution*** 2019, 246:257-263. (**IF_{2018} =5.714**)

71. Yi Chen, Lei Jiang, Shaoyou Lu, Li Kang, Xianru Luo, Guihua Liu, Xinyi Cui,Yingxin Yu. Organophosphate ester and phthalate ester metabolites in urine from primiparas in Shenzhen, China: Implications for health risks. ***Environmental pollution*** 2019, 247:944-952. (**IF_{2018} =5.714**)

72. Rui Hou, Xiaoshan Luo, Chuangchuang Liu, Lihua Zhou, Junlin Wen,Yong Yuan. Enhanced degradation of triphenyl phosphate (TPHP) in bioelectrochemical systems: Kinetics, pathway and degradation mechanisms. ***Environmental pollution*** 2019, 254(Pt A):113040-113040. (**IF_{2018} =5.714**)

73. Hao Liu, Shengtao Ma, Xiaolan Zhang,Yingxin Yu. Application of thermal desorption methods for airborne polycyclic aromatic hydrocarbon measurement: A critical review. ***Environmental pollution*** 2019, 254(Pt A):113018-113018. (**IF_{2018} =5.714**)

74. Yun Lin, Yuemeng Ji, Yixin Li, Jeremiah Secrest, Wen Xu, Fei Xu, Yuan Wang, Taicheng An,Renyi Zhang. Interaction between succinic acid and sulfuric acid-base clusters. ***Atmospheric Chemistry and Physics*** 2019, 19(12):8003-8019. (**IF_{2018} =5.668**)

75. Meihui Zhuo, Shengtao Ma, Guiying Li, Yingxin Yu, and Taicheng An*. Chlorinated paraffins in the indoor and outdoor atmospheric particles from the Pearl River Delta: Characteristics, sources, and human exposure risks. ***Science Of the Total Environment*** 2019, 650: 1041-1049. **(IF_{2018}=5.589)**

76. Haojia Chen, Shengtao Ma, Yingxin Yu, Ranran Liu, Guiying Li, Haibin Huang,Taicheng An. Seasonal profiles of atmospheric PAHs in an e-waste dismantling area and their associated health risk considering bioaccessible PAHs in the human lung. ***Science Of the Total Environment*** 2019, 683:371-379. **(IF_{2018}=5.589)**

77. Yiping Feng, Huynh Khanh An, Zhijie Xie, Guoguang Liu,Shixiang Gao. Heteroaggregation and sedimentation of graphene oxide with hematite colloids: Influence of water constituents and impact on tetracycline adsorption. ***Science Of the Total Environment*** 2019, 647:708-715. **(IF_{2018}=5.589)**

78. Feifei Xue, Bing Tang, Liying Bin, Jianwen Ye, Shaosong Huang, Fenglian Fu, Ping Li,Jiao Cui. Residual micro organic pollutants and their biotoxicity of the effluent from the typical textile wastewater treatment plants at Pearl River Delta. ***Science Of the Total Environment*** 2019, 657:696-703. **(IF_{2018}=5.589)**

79. Qingyun Song, Yiping Feng, Zhu Wang, Guoguang Liu,Wenying Lv. Degradation of triphenyl phosphate (TPhP) by CoFe2O4-activated peroxymonosulfate oxidation process: Kinetics, pathways, and mechanisms. ***Science Of the Total Environment*** 2019, 681:331-338. **(IF_{2018}=5.589)**

80. Yalan Wang, Nan Zhang, Danni Chen, Dan Ma, Guoguang Liu, Xuegang Zou, Yuping Chen, Ranjun Shu, Qingyun Song,Wenying Lv. Facile synthesis of acid-modified UiO-66 to enhance the removal of Cr(VI) from aqueous solutions. ***Science of the total environment*** 2019, 682:118-127. (**IF_{2018}=5.589**)

81. Yufeng Jiang, Longmiao Yuan, Qinhao Lin, Shentao Ma,Yingxin Yu. Polybrominated diphenyl ethers in the environment and human external and internal exposure in China: A review. ***Science Of the Total Environment*** 2019, 696:133902-133902. (**IF_{2018}=5.589**)

82. Zhishu Liang, Guiying Li, Bixian Mai,Taicheng An. Biodegradation of typical BFRs 2,4,6-tribromophenol by an indigenous strain Bacillus sp. GZT isolated from e-waste dismantling area through functional heterologous expression. ***Science Of the Total Environment*** 2019, 697:134159-134159. (**IF_{2018}=5.589**)

83. Beiping Zhang, Shaofeng Zhou, Lihua Zhou, Junlin Wen,Yong Yuan. Pyrolysis temperature-dependent electron transfer capacities of dissolved organic matters derived from wheat straw biochar. Science Of the Total Environment 2019, 696:133895-133895. （**IF_{2018}=5.589**）

84. Jiacong Chen, Yao He, Jingyong Liu, Chao Liu, Wuming Xie, Jiahong Kuo, Xiaochun Zhang, Shoupeng Li, Jialin Liang, Shuiyu Sun, Musa Buyukada,Fatih Evrendilek. The mixture of sewage sludge and biomass waste as solid biofuels: Process characteristic and environmental implication. ***Renewable Energy*** 2019, 139:707-717. **(IF_{2018}=5.439)**

85. Shaoting Wen, Youping Yan, Jingyong Liu, Musa Buyukada,Fatih Evrendilek. Pyrolysis performance, kinetic, thermodynamic, product and joint optimization analyses of incense sticks in N-2 and CO2 atmospheres. ***Renewable Energy*** 2019, 141:814-827. **(IF_{2018}=5.439)**

86. Xiaojun Lai, Xun-an Ning, Yao He, Yiqian Yuan, Jian Sun, Yaowei Ke,Xiaoyuan Man. Treatment of a simulated sludge by ultrasonic zero-valent iron/EDTA/Air process: Interferences of inorganic salts in polyaromatic hydrocarbon removal. ***Waste Management*** 2019, 85:548-556. **(IF_{2018} =5.431)**

87. Guang Sun, Gang Zhang, Jingyong Liu, Wuming Xie, Jiahong Kuo, Xingwen Lu, Musa Buyukada, Fatih Evrendilek,Shuiyu Sun. Thermogravimetric and mass-spectrometric analyses of combustion of spent potlining under N2/O2 and CO2/O2 atmospheres. ***Waste management*** 2019, 87:237-249. **(IF_{2018} =5.431)**

88. Guangwen Wang, Xun-an Ning, Xingwen Lu, Xiaojun Lai, Haili Cai, Yuxin Liu,Tingsong Zhang. Effect of sintering temperature on mineral composition and heavy metals mobility in tailings bricks. ***Waste Management*** 2019, 93:112-121. **(IF_{2018} =5.431)**

89. Candie Xie, Jingyong Liu, Musa Buyukada, Fatih Evrendilek, Ukrit Samaksaman, Jiahong Kuo,Omer Ozyurt. Parametric assessment of stochastic variability in co-combustion of textile dyeing sludge and shaddock peel. ***Waste management*** 2019, 96:128-135. **(IF_{2018} =5.431)**

90. Daohua Liu, Xun-an Ning, Yanxiang Hong, Yang Li, Qiushi Bian,Jianpei Zhang. Covalent triazine-based frameworks as electrodes for high-performance membrane capacitive deionization. ***Electrochimica Acta*** 2019, 296:327-334. （**IF_{2018} =5.383**）

91. Jian Sun, Wenjing Xu, Yong Yuan, Xingwen Lu, Birthe V. Kjellerup, Zhenbo Xu, Hongguo Zhang,Yaping Zhang. Bioelectrical power generation coupled with high-strength nitrogen removal using a photo-bioelectrochemical fuel cell under oxytetracycline stress. ***Electrochimica Acta*** 2019, 299:500-508. （**IF_{2018} =5.383**）

92. Changyong Zhang, Di He, Jinxing Ma, Wangwang Tang,T. David Waite. Comparison of faradaic reactions in flow-through and flow-by capacitive deionization (CDI) systems. ***Electrochimica Acta*** 2019, 299:727-735. （**IF_{2018} =5.383**）

93. Danping Li, Xun-an Ning, Yue Huang,Shengchuan Li. Nitrogen-rich microporous carbon materials for high-performance membrane capacitive deionization. ***Electrochimica Acta*** 2019, 312:251-262. （**IF_{2018} =5.383**）

94. Jie Li, Jiangyao Chen, Yuemeng Ji, Jiaxin Wang, Guiying Li,Taicheng An. Solar light induced transformation mechanism of allyl alcohol to monocarbonyl and dicarbonyl compounds on different TiO2: A combined experimental and theoretical investigation. ***Chemosphere*** 2019, 232:287-295. **(IF_{2018} =5.108**）

95. Zhishu Liang, Guiying Li, Jukun Xiong, Bixian Mai,Taicheng An. Purification, molecular characterization and metabolic mechanism of an aerobic tetrabromobisphenol A dehalogenase, a key enzyme of halorespiration in Ochrobactrum sp. T. Chemosphere 2019, 237:124461. **(IF_{2018} =5.108**）

96. Zhishu Liang, Guiying Li, Bixian Mai, Huimin Ma,Taicheng An*. Application of a novel gene encoding bromophenol dehalogenase from Ochrobactrum sp. T in TBBPA degradation. ***Chemosphere***, 2019, 217:507-515. **(IF_{2018} =5.108**）

97. Jian Sun, Wenjing Xu, Ping Yang, Nan Li, Yong Yuan, Hongguo Zhang, Yujie Wang, Xunan Ning, Yaping Zhang, Kenlin Chang, Yenping Peng,Kufan Chen. Enhanced oxytetracycline removal coupling with increased power generation using a self-sustained photo-bioelectrochemical fuel cell. ***Chemosphere*** 2019, 221:21-29. **(IF_{2018} =5.108**）

98. Xingwen Lu, Jiani Yang, Xun-An Ning, Kaimin Shih, Fei Wang, and Yuanqing Chao. Formation of lead ferrites for immobilizing hazardous lead into iron-rich ceramic matrix. ***Chemosphere*** 2019, 214: 239-249. **(IF_{2018} =5.108**）

99. Bingli Lei, Su Sun, Xiaolan Zhang, Chenglian Feng, Jie Xu, Yu Wen, Yangen Huang, Minghong Wu,Yingxin Yu. Bisphenol AF exerts estrogenic activity in MCF-7 cells through activation of Erk and PI3K/Akt signals via GPER signaling pathway. ***Chemosphere*** 2019, 220:362-370. **(IF_{2018} =5.108**)

100. Jian Sun, Wenjing Xu, Bihai Cai, Guofu Huang, Hongguo Zhang, Yaping Zhang, Yong Yuan, Kenlin Chang, Kangxing Chen, Yenping Peng,Kufan Chen. High-concentration nitrogen removal coupling with bioelectric power generation by a self-sustaining algal-bacterial biocathode photo-bioelectrochemical system under daily light/dark cycle. ***Chemosphere*** 2019, 222:797-809. **(IF_{2018} =5.108**)

101. Yongqin Zeng, Danni Chen, Tiansheng Chen, Meixuan Cai, Qianxin Zhang, Zhijie Xie, Ruobai Li, Zhenjun Xiao, Guoguang Liu,Wenying Lv. Study on heterogeneous photocatalytic ozonation degradation of ciprofloxacin by TiO2/carbon dots: Kinetic, mechanism and pathway investigation. ***Chemosphere*** 2019, 227:198-206. **(IF_{2018} =5.108**)

102. Qihua Pang, Yanru Li, Lingxue Meng, Guanyong Li, Zhiwei Luo,Ruifang Fan. Neurotoxicity of BPA, BPS, and BPB for the hippocampal cell line (HT-22): An implication for the replacement of BPA in plastics. ***Chemosphere*** 2019, 226:545-552. **(IF_{2018} =5.108**)

103. Junjie Hu,Yingxin Yu. Epigenetic response profiles into environmental epigenotoxicant screening and health risk assessment: A critical review. ***Chemosphere*** 2019, 226:259-272. **(IF_{2018} =5.108**)

104. Yanyan Chen, Yi-Jie Chen, Yanhao Zhang, Ruijin Li, Wei Chen, Shi-Chao Yan, Zenghua Qi, Zhi-Feng Chen,Zongwei Cai. Determination of HFRs and OPFRs in PM2.5 by ultrasonic-assisted extraction combined with multi-segment column purification and GC-MS/MS. ***Talanta*** 2019, 194:320-328. (**IF_{2018} =4.916**)

105. Yujie Wang, Zikai Wei, Xianda Luo, Quan Wan, Rongliang Qiu,Shizhong Wang. An ultrasensitive homogeneous aptasensor for carcinoembryonic antigen based on upconversion fluorescence resonance energy transfer. ***Talanta*** 2019, 195:33-39. (**IF_{2018} =4.916**)

106. Yanhao Zhang, Yanyan Chen, Ruijin Li, Wei Chen, Yuanyuan Song, Di Hu,Zongwei Cai. Determination of PM2.5-bound polyaromatic hydrocarbons and their hydroxylated derivatives by atmospheric pressure gas chromatography-tandem mass spectrometry. ***Talanta*** 2019, 195:757-763. (**IF_{2018} =4.916**)

107. Yuetan Su, Wenlang Li, Guiying Li, Zhimin Ao*, Taicheng An. Density functional theory investigation of the enhanced adsorption mechanism and potential catalytic activity for formaldehyde degradation on Al-decorated C2N monolayer. ***Chinese Journal of Catalysis*** 2019, 40: 664–672. (**IF_{2018} =4.914**)

108. Jingwei Huang, Pengfei Yue, Lei Wang, Houde She,Qizhao Wang. A review on tungsten-trioxide-based photoanodes for water oxidation. ***Chinese Journal Of Catalysis*** **2019**, 40(10):1408-1420. (**IF_{2018} =4.914**)

109. Yaxin Qin, Guiying Li, Lizhi Zhang,Taicheng An. Protocatechuic acid promoted catalytic degradation of rhodamine B with Fe@Fe2O3 core-shell nanowires by molecular oxygen activation mechanism. ***Catalysis Today*** 2019, 335:144-150. **(IF_{2018} =4.888**)

110. Ranran Liu, Jiangyao Chen, Guiying Li, Xinming Wang, and Taicheng An. Cutting down on the ozone and SOA formation as well as health risks of VOCs emitted from e-waste dismantlement by integration technique. ***Journal of environmental management*** 2019, 249:107755. **(IF_{2018} =4.865**)

111. Jieying Liang, Xun-An Ning, Jian Song, Xingwen Lu, Jian Sun,Yaping Zhang. Treatment of 3,3'-dimethoxybenzidine in sludge by advance oxidation process: Degradation products and toxicity evaluation. ***Journal of environmental management*** 2019, 238:102-109. **(IF_{2018} =4.865**)

112. Yingxin Yu, Wenbo Li, Shaoyou Lu, Suyang Wu, Feng Wang, Lap Ah Tse, Li Kang,Shengtao Ma. Urinary parabens in adults from South China: Implications for human exposure and health risks. ***Ecotoxicology and environmental safety*** **2019**, 182:109419-109419. **(IF_{2018} =4.527)**

113. Zenghua Qi, Yuanyuan Song, Qianqian Ding, Xiaoliang Liao, Ruijin Li, Guoguang Liu, SukYing Tsang,Zongwei Cai. Water soluble and insoluble components of PM2.5 and their functional cardiotoxicities on neonatal rat cardiomyocytes in vitro. ***Ecotoxicology and environmental safety***, 2019, 168:378-387. **(IF_{2018} =4.527)**

114. Junjie Hu, Wenting Lin, Boji Lin, Kangming Wu, Hongbo Fan,Yingxin Yu. Persistent DNA methylation changes in zebrafish following graphene quantum dots exposure in surface

chemistry-dependent manner. ***Ecotoxicology and environmental safety*** 2019, 169:370-375. **(IF_{2018} =4.527)**

115. Haiyuan Zou, Xun-An Ning, Yi Wang,Fengping Zhou. The agricultural use potential of the detoxified textile dyeing sludge by integrated Ultrasound/Fenton-like process: A comparative study. ***Ecotoxicology and environmental safety*** 2019, 172:26-32. **(IF_{2018} =4.527)**

116. Yiping Feng, Mengyao Shen, Zhu Wang,Guoguang Liu. Transformation of atenolol by a laccase-mediator system: Efficiencies, effect of water constituents, and transformation pathways. ***Ecotoxicology and environmental safety*** 2019, 183:109555-109555. **(IF_{2018} =4.527)**

117. Zenghua Qi, Min Chen, Yuanyuan Song, Xiya Wang, Bingkun Li, Zhi-Feng Chen, Suk Ying Tsang,Zongwei Cai. Acute exposure to triphenyl phosphate inhibits the proliferation and cardiac differentiation of mouse embryonic stem cells and zebrafish embryos. ***Journal of cellular physiology*** **2019**, **(IF_{2018} =4.522)**

118. Quanguo Jiang, Jianfeng Zhang, Huajie Huang, Yuping Wu,Zhimin Ao. Strain Effect on the Dissociation of Water Molecules on Silicene: Density Functional Theory Study. ***Journal Of Physical Chemistry C*** **2019**, 123(18):11591-11601. **(IF_{2018} =4.309**)

119. Yujie Wang, Hao Deng, Chenlu Ye, Kang Hu,Kai Yan. Facile synthesis of mesoporous TiC-C nanocomposite microsphere efficient for hydrogen evolution. ***Journal Of Alloys And Compounds***, 2019, 775:348-352. **(IF_{2018} =4.175**)

120. Ying Si, Jiajie Lao, Xuejun Zhang, Yuke Liu, Shunshuo Cai, Alvaro Gonzalez-Vila, Kaiwei Li, Yunyun Huang, Yong Yuan, Christophe Caucheteur,Tuan Guo. Electrochemical Plasmonic Fiber-optic Sensors for Ultra-Sensitive Heavy Metal Detection. ***Journal Of Lightwave Technology*** **2019**, 37(14):3495-3502. **(IF_{2018} =4.162)**

121. Junhui Zhang, Jingyong Liu, Fatih Evrendilek, Wuming Xie, Jiahong Kuo, Xiaochun Zhang,Musa Buyukada. Kinetics, thermodynamics, gas evolution and empirical optimization of cattle manure combustion in air and oxy-fuel atmospheres. ***Applied Thermal Engineering*** 2019, 149:119-131. **(IF_{2018} =4.026**)

122. Meiqing Lin, Jian Tang, Shengtao Ma, Yingxin Yu, Guiying Li, Bixian Mai, Ruifang Fan,Taicheng An. Simultaneous determination of polybrominated diphenyl ethers, polycyclic aromatic hydrocarbons and their hydroxylated metabolites in human hair: a potential methodology to distinguish external from internal exposure. ***Analyst*** **2019**, **(IF_{2018} =4.019**)

123. Yuemeng Ji, Xingyu Chen, Yixin Li, Weina Zhang, Qiuju Shi, Jiangyao Chen, Yanpeng Gao, Guiying Li, Jiaxin Wang, Pengfei Tian,Taicheng An. The mixing state of mineral dusts with typical anthropogenic pollutants: A mechanism study. ***Atmospheric Environment*** **2019**, 209:192-200. (**IF_{2018} =4.012**)

124. Hao Luo, Long Jia, Quan Wan, Taicheng An,Yujie Wang. Role of liquid water in the formation of O-3 and SOA particles from 1,2,3-trimethylbenzene. ***Atmospheric Environment*** **2019**, 217:116955. (**IF_{2018} =4.012**)

125. Cheng Han, Ranran Liu, Hao Luo, Guiying Li, Shengtao Ma, Jiangyao Chen,Taicheng An. Pollution profiles of volatile organic compounds from different urban functional areas in Guangzhou China based on GC/MS and PTR-TOF-MS: Atmospheric environmental implications. Atmospheric Environment 2019, 214:116843. (**IF_{2018} =4.012**)

126. Meicheng Wen, Kohsuke Mori, Yuya Futamura, Yasutaka Kuwahara, Miriam Navlani-García, Taicheng An,Hiromi Yamashita. PdAg Nanoparticles within Core-Shell Structured Zeolitic Imidazolate Framework as a Dual Catalyst for Formic Acid-based Hydrogen Storage/Production. ***Scientific Reports*** **2019**, 9(1):15675. (**IF_{2018} =4.011**)

127. Yang Li, Dan Chen, Shisuo Fan,Ting Yang. Enhanced visible light assisted Fenton-like degradation of dye via metal-doped zinc ferrite nanosphere prepared from metal-rich industrial wastewater. ***Journal Of the Taiwan Institute Of Chemical Engineers*** 2019, 96:185-192. **(IF_{2018} =3.834**)

128. Zhimin Ao, Hongqi Sun,Andres Fullana. Editorial: Environmental Catalysis and the Corresponding Catalytic Mechanism. ***Frontiers In Chemistry*** 2019, 7. (**IF_{2018} =3.782**)

129. Yang-Guang Gu,Yan-Peng Gao. An unconstrained ordination- and GIS-based approach for identifying anthropogenic sources of heavy metal pollution in marine sediments. ***Marine pollution bulletin*** 2019, 146:100-105. (**IF_{2018} =3.782**)

130. Yuanyuan Sun, Guiying Li, Wanjun Wang, Wenquan Gu, Po Keung Wong,Taicheng An. Photocatalytic defluorination of perfluorooctanoic acid by surface defective BiOCl: Fast microwave solvothermal synthesis and photocatalytic mechanisms. ***Journal of environmental sciences*** 2019, 84:69-79. **(IF_{2018} =3.556)**

131. Xiaoming Ma, Di He, Adele M. Jones, T. David Waite,Taicheng An. Ligand-mediated contaminant degradation by bare and carboxymethyl cellulose-coated bimetallic palladium-zero valent iron nanoparticles in high salinity environments. ***Journal of environmental sciences*** 2019, 77:303-311. **(IF_{2018} =3.556)**

132. Jianli Huang, Junhui Zhang, Jingyong Liu, Wuming Xie, Jiahong Kuo, Kenlin Chang, Musa Buyukada, Fatih Evrendilek,Shuiyu Sun. Thermal conversion behaviors and products of spent mushroom substrate in CO2 and N-2 atmospheres: Kinetic, thermodynamic, TG and Py-GC/MS analyses. ***Journal Of Analytical And Applied Pyrolysis*** 2019, 139:177-186. **(IF_{2018} =3.470**)

133. Hui Zhang, Zhi-Feng Chen, Zenghua Qi, Shi-Chao Yan, Wen-Wen Wei, Guoguang Liu,Zongwei Cai. ANALYSIS OF TRANSCRIPTIONAL RESPONSE IN ZEBRAFISH ELEUTHEROEMBRYOS EXPOSED TO CLIMBAZOLE: SIGNALING PATHWAYS AND POTENTIAL BIOMARKERS. ***Environmental Toxicology And Chemistry*** 2019, (**IF_{2018}=3.421**)

134. Jiao-Jiao Yang, Jian-Li Mi, Xue-Jing Yang, Peng Zhang, Li-Na Jin, Long-Hua Li,Zhimin Ao. Metal-Organic Framework Derived N/C Supported Austenite Nanoparticles as Efficient Oxygen Reduction Catalysts. ***Chemnanomat*** 2019, 5(4):525-530. (**IF_{2018} =3.379**)

135. Xingwen Lu, Jiani Yang, Xiaoyan Li, Feiyun Sun, Fei Wang,Yuanqing Chao. Effects of phase transformation on properties of alumina ceramic membrane: A new assessment based on quantitative X-ray diffraction (QXRD). ***Chemical Engineering Science*** 2019, 199:349-358. **(IF_{2018} =3.372**)

136. Michael J. Watts, Taicheng An, Ariadne Argyraki, Emmanuel Arhin, Anthea Brown, Mark Button, Jane A. Entwistle, Robert Finkelman, Gillian Gibson, Olivier S. Humphrey, Xia Huo, Andrew S. Hursthouse, A. Paula Marinho-Reis, Kakoma Maseka, Daniel R. S. Middleton, Ofelia Morton-Bermea, Ahad Nazarpour, Akinade Shadrach Olatunji, Odipo Osano, Sanja Potgieter-Vermaak, Sherestha Saini, Alex Stewart, Moataz Tarek, Keith Torrance, Ming Hung Wong, Kosei E. Yamaguchi, Chaosheng Zhang,Munir Zia. The Society for Environmental Geochemistry and Health (SEGH): building for the future. ***Environmental Geochemistry And Health*** 2019, **(IF_{2018} =3.252**)

137. Sammani Ramanayaka, Meththika Vithanage, Ajit Sarmah, Taicheng An, Ki-Hyun Kim,Yong Sik Ok. Performance of metal-organic frameworks for the adsorptive removal of potentially toxic elements in a water system: a critical review. ***RSC Advances*** **2019**, 9(59):34359-34376. **(IF_{2018} =3.049**)

138. Yang Li, Shisuo Fan,Qi Zhou. Synthesis of Carboxyl-Rich Biosorbent by UV-Induced Graft Polymerization Method for High Efficiency Adsorption of Ce3+ from Aqueous Solution: Activation and Adsorption Mechanism. Journal Of Polymers And the Environment 2019, 27(10):2259-2266. **(IF_{2018} =2.765**)

139. Jialin Liang, Siwei Zhang, Jinjia Huang, Shaosong Huang, Li Zheng, Shuiyu Sun, Zhenyi Zhong, Xinghong Zhang,Xiaoyu Yu. Comprehensive insights into the inorganic coagulants on sludge dewatering: comparing aluminium and iron salts. ***Journal Of Chemical Technology And Biotechnology*** **2019**, 94(5):1534-1550. **(IF_{2018} =2.659)**

140. Jingyong Liu, Candie Xie, Wuming Xie, Xiaochun Zhang, KenLin Chang, Jian Sun, Jiahong Kuo, Wenhao Xie, Chao Liu, Shuiyu Sun, Musa Buyukada,Fatih Evrendilek. Arsenic Partitioning Behavior During Sludge Co-combustion: Thermodynamic Equilibrium Simulation. ***Waste And Biomass Valorization*** **2019**, 10(8):2297-2307. **(IF_{2018} =2.358)**

141. Ping-ping Tian, Hong-qing Xiao, Lu Wang, Yingxin Yu,Yangen Huang. Nucleophilic fluoroalkylation of terminal vinyl triflones with SO2CF3 as a removable activating group. ***Tetrahedron Letters*** **2019**, 60(15):1015-1018. **(IF_{2018} =2.259)**

142. Jianqin Chen, Wenting Lin, Liyan Xie, Jianhui Huang,Wanjun Wang. Templated Fabrication of Graphitic Carbon Nitride with Ordered Mesoporous Nanostructures for High-Efficient Photocatalytic Bacterial Inactivation under Visible Light Irradiation. ***Journal Of Nanomaterials*** 2019, **(IF_{2018} =2.233)**

143. Ranjit Das, Zhishu Liang, Guiying Li*, Bixian Mai,Taicheng An. Genome sequence of a spore-laccase forming, BPA-degrading Bacillus sp. GZB isolated from an electronic-waste recycling site reveals insights into BPA degradation pathways. ***Archives of microbiology*** 2019, **(IF_{2018} =1.642**)

144. Rong Liu, Jie Li, Tongsheng Zhong,Liping Long. Graphene Modified Molecular Imprinting Electrochemical Sensor for Determining the Content of Dopamine. ***Current Analytical Chemistry*** **2019**, 15(6):628-634. **(IF_{2018} =1.242**)

145. Jingyong Liu, Haiming Cai, Shijun Wu, Xiaoe Dang, Musa Buyukada,Fatih Evrendilek. Thermodynamic equilibrium predictions of zinc volatilization, migration, and transformation during sludge co-incineration. ***Water environment research*** 2019, 91(3):208-221. **(IF_{2018} =1.240)**

146. Li Liu, Shisuo Fan,Yang Li. Removal of methylene blue in aqueous solution by a Fenton-like catalyst prepared from municipal sewage sludge. ***Desalination And Water Treatment*** 2019, 138:326-334. **(IF_{2018} =1.234)**

147. Li-Yan Xie, Ping Liu, Li-Ting Huang, Wan-Jun Wang,Jian-Hui Huang. A Novel Visible-light-responsive Photocatalyst Bi1.5Cr0.5WO6 with Suitable Bandgap Structure and Its Application in Water Decontamination. **Chinese Journal Of Structural Chemistry** 2019, 38(6):930-940. **(IF_{2018} =0.695)**

148. Biao Liu, Weina Zhao, Quanguo Jiang, Zhimin Ao,Taicheng An. Enhanced adsorption mechanism of carbonyl-containing volatile organic compounds on Al-decorated porous graphene monolayer: A density functional theory calculation study. ***Sustainable Materials And Technologies*** 2019, 21

149. Hongxuan Kuang, Haibin Zhang, Jianhua Tan, Yifan Luo, Shuhua Liu, Qihua Pang, Chuhua Li,Ruifang Fan. Simultaneous determination of five neurotransmitters in neonatal rat hippocampus by adding vitamin C coupled with isotope dilution-ultra-high performance liquid chromatography-tandem mass spectrometry. ***Chinese journal of chromatography*** 2019, 37(4):404-411.

150. Haiyuan Zou, Xun-An Ning, Yi Wang, Jian Sun,Yanxiang Hong. Sono-advanced Fenton-like degradation of aromatic amines in textile dyeing sludge: efficiency and mechanisms. ***Environmental science and pollution research international*** 2019,

151. Xingwen Lu, Yao Cheng, Mingdeng Xiang, Tianshi Liu, Ying Guo,Fei Wang. Size-fractionated particle-bound heavy metals and perfluoroalkyl substances in dust from different indoor air. ***Environmental science and pollution research international*** **2019**,

152. 何峣,陈思,陈俊捷,宁寻安.生物质废物催化热解特性及多因素优化实验[J].**环境工程学报**,2019,13(07):1743-1751.

未完待续……

【关闭窗口】