



学术论文

授权专利

项目基金

奖项荣誉

## 研究院2017年发表论文清单

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1. Yuemeng Ji#, Jun Zhao#, Hajime Terazono, Kentaro Misawa, Nicholas P. Levitt, Yixin Li, Yun Lin, Jianfei Peng, Yuan Wang, Lian Duan, Bowen Pan, Fang Zhang, Xidan Feng, Taicheng An\*, Wilmarie Marrero-Ortiz, Jeremiah Secrest, Annie L. Zhang, Kazuhiko Shibuya, Mario J. Molina\*, Renyi Zhang\*. Reassessing the atmospheric oxidation mechanism of toluene. *P. Natl. Acad. Sci. USA*, 2017, 114(31):8169-8174. (IF<sub>2016</sub>=9.661)
2. Yuemeng Ji, Yixin Li, Taicheng An, Renyi Zhang. The dominant phenolic pathway for atmospheric toluene oxidation Reply. *PNAS* | September 19, 2017 | vol. 114 | no. 38 | E7858-E7859. (IF<sub>2016</sub>=9.661)
3. Yiping Feng, Xitong Liu, Khanh An Huynh, J. Michael McCaffery, Liang Mao, Shixiang Gao, and Kai Loon Chen. Heteroaggregation of Graphene Oxide with Nanometer- and Micrometer-Sized Hematite Colloids: Influence on Nanohybrid Aggregation and Microparticle Sedimentation. *Environmental Science and Technology*. 2017, 51:6821-6828. (IF<sub>2016</sub>=6.198)
4. Tianling Li, Jared Panther, Yuan Qiu, Chang Liu, Jianyin Huang, Yonghong Wu, Po Keung Wong, Taicheng An\*, Shanqing Zhang\*, Huijun Zhao\*. Gas-Permeable Membrane-Based Conductivity Probe Capable of In Situ Real-Time Monitoring of Ammonia in Aquatic Environments. *Environ. Sci. Technol.* 2017, 51, 13265-13273. (IF<sub>2016</sub>=6.198)
5. Wanjun Wang, Guiying Li, Dehua Xia, Taicheng An\*, Huijun Zhao, Po Keung Wong\*. Photocatalytic nanomaterials for solar-driven bacterial inactivation: recent progress and challenges. *Environ. Sci.: Nano*, 2017, 4:782-799. (IF<sub>2016</sub>=6.047)
6. Wanjun Wang, Taicheng An\*, Guiying Li, Dehua Xia, Huijun Zhao, Jimmy C. Yu, Po Keung Wong\*. Earth-abundant Ni<sub>2</sub>P/g-C<sub>3</sub>N<sub>4</sub> lamellar nanohybrids for enhanced photocatalytic hydrogen evolution and bacterial inactivation under visible light irradiation. *Applied Catalysis B: Environmental*, 2017, 217:570-580. (IF<sub>2016</sub>=9.446)
7. Jiangyao Chen, Zhigui He, Guiying Li, Taicheng An\*, Huixian Shi, Yuanzhi Li. Visible-light-enhanced photothermocatalytic activity of ABO<sub>3</sub>-type perovskites for the decontamination of gaseous styrene. *Applied Catalysis B: Environmental*, 2017, 209:146-154. (IF<sub>2016</sub>=9.446)
8. Meicheng Wen, Kohsuke Mori\*, Yasutaka Kuwahara, Taicheng An, Hiromi Yamashita\*. Design and architecture of metal organic frameworks for visible light enhanced hydrogen production. *Applied Catalysis B: Environmental* 2017, 218: 555-569. (IF<sub>2016</sub>=9.446)
9. Dehua Xia, Wanjun Wang, Ran Yin, Zhifeng Jiang, Taicheng An\*, Guiying Li, Huijun Zhao, Po-Keung Wong\*. Enhanced photocatalytic inactivation of Escherichia coli by a novel Z-scheme g-C<sub>3</sub>N<sub>4</sub>/m-Bi<sub>2</sub>O<sub>4</sub> hybrid photocatalyst under visible light: the role of reactive oxygen species. *Applied Catalysis B: Environmental* 2017, 214: 23-33. (IF<sub>2016</sub>=9.446)
10. Fengliang Wang, Ping Chen, Yiping Feng, Zhijie Xie, Yang Liu, Yuehan Su, Qianxin Zhang, Yingfei Wang, Kun Yao, Wenying Lv, and Guoguang Liu. Facile synthesis of N-doped carbon dots/g-C<sub>3</sub>N<sub>4</sub> photocatalyst with enhanced visible-light photocatalytic activity for the degradation of indomethacin. *Applied Catalysis B: Environmental* 2017, 207:103-113. (IF<sub>2016</sub>=9.446)
11. Ping Chen, Fengliang Wang, Zhi-Feng Chen, Qianxin Zhang, Yuehan Su, Lingzhi Shen, Kun Yao, Yang Liu, Zongwei Cai, Wenying Lv, and Guoguang Liu. Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO<sub>2</sub>/carbon dots photocatalyst: The significant roles of reactive oxygen species. *Applied Catalysis B: Environmental* 2017, 204:250-259. (IF<sub>2016</sub>=9.446)
12. Tianling Li, Melissa Winnel, Hao Lin, Jared Panther, Chang Liu, Roger O'Halloran, Kewen Wang, Taicheng An\*, Po Keung Wong, Shanqing Zhang\*, Huijun Zhao\*. A reliable sewage quality

13. Qi Jiang, Hongliang Yin, Guiying Li, Hongli Liu, Taicheng An\*, Po keung Wong, Huijun Zhao. Elimination of antibiotic-resistance bacterium and its associated/dissociative blaTEM-1 and aac(3)-II antibiotic-resistance genes in aqueous system via photoelectrocatalytic process. *Water Research*, 2017, 125:219-226. (IF<sub>2016</sub>=6.942)
14. Guocheng Huang, Tsz Wai Ng, Taicheng An\*, Guiying Li, Dehua Xia, Ho Yin Yip, Huijun Zhao, Po Keung Wong\*. Probing the intracellular organic matters released from the photocatalytic inactivation of bacteria using fractionation procedure and excitation-emission-matrix fluorescence. *Water Res.*, 2017, 110: 270-280. (IF<sub>2016</sub>=6.942)
15. Hansun Fang, Yanpeng Gao, Honghong Wang, Hongliang Yin, Guiying Li, Taicheng An\*. Photo-induced oxidative damage to dissolved free amino acids by the photosensitizer polycyclic musk tonalide: Transformation kinetics and mechanisms. *Water Res.*, 2017, 115:339-346. (IF<sub>2016</sub>=6.942)
16. Guocheng Huang, Tsz Wai Ng, Taicheng An\*, Guiying Li, Bo Wang, Dan Wu, Ho Yin Yip, Huijun Zhao, Po-Keung Wong. Interaction between bacterial cell membranes and nano-TiO<sub>2</sub> revealed by two-dimensional FTIR correlation spectroscopy using bacterial ghost as a model cell envelope. *Water Res.*, 2017, 118:104-113. (IF<sub>2016</sub>=6.942)
17. Dehua Xia, Yan Li, Guocheng Huang, Ran Yin, Taicheng An\*, Guiying Li, Huijun Zhao, Anhuai Lu, Po-kueng Wong\*. Activation of Persulfates by Natural Magnetic Pyrrhotite for Water Disinfection: Efficiency, Mechanisms, and Stability. *Water Res.*, 2017,112: 236-247.(IF<sub>2016</sub>=6.942)
18. Lihua Zhou, Chunli Yang, Jing Wen, Peng Fu, Yaping Zhang, Jian Sun, Huaqian Wang, and Yong Yuan. Soft-template assisted synthesis of Fe/N-doped hollow carbon nanospheres as advanced electrocatalysts for the oxygen reduction reaction in microbial fuel cells. *Journal of Materials Chemistry A* 2017, 5(36):19343-19350. (IF<sub>2016</sub>=8.867)
19. Yaxin Qin, Lizhi Zhang, Taicheng An. Hydrothermal carbon mediated Fenton-like reaction mechanism in degradation ofalachlor:direct electron transfer from hydrothermal carbon to Fe(III). *ACS Applied Materials & Interfaces*,2017, 9:17115-17124. (IF<sub>2016</sub>=7.504)
20. Xiaomeng Guo, Junyi Ji, Quanguo Jiang, Lili Zhang, Zhimin Ao\*, Xiaobin Fan, Shaobin Wang, Yang Li, Fengbao Zhang, Guoliang Zhang, Wenchao Peng\*. Few-Layered Trigonal WS<sub>2</sub> Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. *ACS Appl. Mater. Interfaces*, 2017, 9:30591-30598. (IF<sub>2016</sub>=7.504)
21. Yuanhong Zhong, Lin Yu, Zhi-Feng Chen, Hongping He, Fei Ye, Gao Cheng, and Qianxin Zhang. Microwave-Assisted Synthesis of Fe<sub>3</sub>O<sub>4</sub> Nanocrystals with Predominantly Exposed Facets and Their Heterogeneous UVA/Fenton Catalytic Activity. *ACS Applied Materials and Interfaces* 2017, 9(34):29203-29212. (IF<sub>2016</sub>=7.504)
22. Ranran Liu, Jiangyao Chen, Guiying Li, Taicheng An\*. Using an integrated decontamination technique to remove VOCs and attenuate health risks from an e-waste dismantling workshop. *Chem. Eng. J.*, 2017, 318:57-63. (IF<sub>2016</sub>=6.216)
23. Dionissios Mantzavinos, Ioannis Poullos, Santiago Esplugas, Taicheng An, Gianluca Li Puma, Dionysios D. Dionysiou\*. Emerging advanced oxidation processes for the elimination of micro-pollutants. *Chemical Engineering Journal* 2017, 318: 1. (IF<sub>2016</sub>=6.216)
24. Cuiqun Chen, Liying Bin, Bing Tang, Shaosong Huang, Fenglian Fu, Qianyu Chen, Luying Wu, and Chuming Wu. Cultivating granular sludge directly in a continuous-flow membrane bioreactor with internal circulation. *Chemical Engineering Journal* 2017, 309:108-117. (IF<sub>2016</sub>=6.216)
25. Luying Wu, Bing Tang, Guangpeng Chen, Liying Bin, Wenxiang Zhang, Shaosong Huang, and Fenglian Fu. Co-existence of diverse sludge granules in a single membrane bioreactor. *Chemical Engineering Journal* 2017, 326:849-852. (IF<sub>2016</sub>=6.216)
26. Wenxiang Zhang, Luhui Ding, Michel Y. Jaffrin, and Bing Tang. Membrane cleaning assisted by high shear stress for restoring ultrafiltration membranes fouled by dairy wastewater. *Chemical Engineering Journal* 2017, 325:457-465. (IF<sub>2016</sub>=6.216)
27. Dehua Xia, Ran Yin, Jianliang Sun, Taicheng An\*, Guiying Li, Wanjun Wang, Huijun Zhao, Po Keung Wong\*. Natural magnetic pyrrhotite as a high-efficient persulfate activator for micropollutants degradation: Radicals identification and toxicity evaluation. *Journal of Hazardous Materials.*, 2017, 340:435-444. (IF<sub>2016</sub>=6.065)
28. Xingwen Lu, Xun-an Ning, Po-Heng Lee, Kaimin Shih, Fei Wang, and Eddy Y. Zeng. Transformation of hazardous lead into lead ferrite ceramics: Crystal structures and their role in lead leaching. *Journal Of Hazardous Materials* 2017, 336:139-145. (IF<sub>2016</sub>=6.065)

29. Jianwei Lu, Fenglian Fu, Zengdong Ding, Na Li, and Bing Tang. Removal mechanism of selenite by Fe<sub>3</sub>O<sub>4</sub>-precipitated mesoporous magnetic carbon microspheres. *Journal Of Hazardous Materials* 2017, 330:93-104. (IF<sub>2016</sub>=6.065)
30. Yuanhong Zhong, Zhi-Feng Chen, Shuang-Shuang Liu, Xiaoxin Dai, Xinpeng Zhu, Guangming Zheng, Shugui Liu, Guoguang Liu, and Zongwei Cai. Analysis of azole fungicides in fish muscle tissues: Multi-factor optimization and application to environmental samples. *Journal of Hazardous Materials* 2017, 324:535-543. (IF<sub>2016</sub>=6.065)
31. Jiangyao Chen, Ranran Liu, Yanpeng Gao, Guiying Li, Taicheng An\*. Preferential purification of oxygenated volatile organic compounds than monoaromatics emitted from paint spray booth and risk attenuation by the integrated decontamination technique. *J. Clean. Prod.*, 2017, 148: 268-275. (IF<sub>2016</sub>=5.715)
32. Jieying Liang, Xun-an Ning\*, Xiaojun Lai, Haiyuan Zou, Jian Sun, Xingwen Lu, Yaping Zhang, Taicheng An. Influence mechanisms of textile-dyeing sludge characteristics on degradation of anilines by integrated ultrasound-permanganate treatment. *Journal of Cleaner Production* 151 (2017) 172-178. (IF<sub>2016</sub>=5.715)
33. Xingwen Lu, Kaimin Shih, and Fei Wang. Effectiveness of municipal sewage sludge (MSS) ash application on the stabilization of Pb-Zn sludge from mining activities. *Journal of Cleaner Production* 2017, 151:145-151. (IF<sub>2016</sub>=5.715)
34. Bing Tang, Xianfeng Feng, Shaosong Huang, Liying Bin, Fenglian Fu, and Kanghua Yang. Variation in rheological characteristics and microcosmic composition of the sewage sludge after microwave irradiation. *Journal of Cleaner Production* 2017, 148:537-544. (IF<sub>2016</sub>=5.715)
35. Jiwei Ding, Bing Tang, Mingyu Li, Xianfeng Feng, Fenglian Fu, Liying Bin, Shaosong Huang, Wen Su, Danni Li, and Lichun Zheng. Difference in the characteristics of the rust layers on carbon steel and their corrosion behavior in an acidic medium: Limiting factors for cleaner pickling. *Journal of Cleaner Production* 2017, 142:2166-2176. (IF<sub>2016</sub>=5.715)
36. Bing Tang, Yiliang Zhao, Liying Bin, Shaosong Huang, and Fenglian Fu. Variation of the characteristics of biofilm on the semi-suspended bio-carrier produced by a 3D printing technique: Investigation of a whole growing cycle. *Bioresource Technology* 2017, 244:40-47. (IF<sub>2016</sub>=5.651)
37. Ken-Lin Chang, Ye-Ju Han, Xiao-Qin Wang, Xi-Mei Chen, Shao-Yuan Leu, Jing-yong Liu, Yen-Ping Peng, Yu-Ling Liao, Laddawan Potprommanee. The effect of surfactant-assisted ultrasound-ionic liquid pretreatment on the structure and fermentable sugar production of a water hyacinth. *Bioresource Technology*, 2017, 237:27-30. (IF<sub>2016</sub>=5.651)
38. Jiacong Chen, Jingyong Liu, Yao He, Limao Huang, Shuiyu Sun, Jian Sun, KenLin Chang, Jiahong Kuo, Shaosong Huang, and Xunan Ning. Investigation of co-combustion characteristics of sewage sludge and coffee grounds mixtures using thermogravimetric analysis coupled to artificial neural networks modeling. *Bioresource Technology* 2017, 225:234-245. (IF<sub>2016</sub>=5.651)
39. Jian Sun, Bihai Cai, Wenjing Xu, Yu Huang, Yaping Zhang, Yenping Peng, Kenlin Chang, Jiahong Kuo, Kufan Chen, Xunan Ning, Guoguang Liu, Yujie Wang, Zuoyi Yang, and Jingyong Liu. Enhanced bioelectricity generation and azo dye treatment in a reversible photo-bioelectrochemical cell by using novel anthraquinone-2,6-disulfonate (AQDS)/MnO<sub>x</sub>-doped polypyrrole film electrodes. *Bioresource Technology* 2017, 225:40-47. (IF<sub>2016</sub>=5.651)
40. Bing Tang, Haoliang Song, Liying Bin, Shaosong Huang, Wenxiang Zhang, Fenglian Fu, Yiliang Zhao, and Qianyu Chen. Determination of the profile of DO and its mass transferring coefficient in a biofilm reactor packed with semi-suspended bio-carriers. *Bioresource Technology* 2017, 241:54-62. (IF<sub>2016</sub>=5.651)
41. Ken-Lin Chang, Xi-Mei Chen, Xiao-Qin Wang, Ye-Ju Han, Laddawan Potprommanee, Jing-yong Liu, Yu-Ling Liao, Xun-an Ning, Shui-yu Sun, and Qing Huang. Impact of surfactant type for ionic liquid pretreatment on enhancing delignification of rice straw. *Bioresource Technology* 2017, 227:388-392. (IF<sub>2016</sub>=5.651)
42. Pengfei Tian, Xianjie Cao, Lei Zhang, Naixiu Sun, Lu Sun, Timothy Logan, Jinsen Shi, Yuan Wang, Yuemeng Ji, Yun Lin, Zhongwei Huang, Tian Zhou, Yingying Shi, and Renyi Zhang. Aerosol vertical distribution and optical properties over China from long-term satellite and ground-based remote sensing. *Atmospheric Chemistry And Physics* 2017, 17(4):2509-2523. (IF<sub>2016</sub>=5.318)
43. Zhishu Liang, Guiying Li, Taicheng An\*. Purifying, cloning and characterizing a novel dehalogenase from *Bacillus* sp. GZT to enhance the biodegradation of 2,4,6-tribromophenol in water. *Environ.*

44. Na Li, Fenglian Fu, Jianwei Lu, Zecong Ding, Bing Tang, and Jiabin Pang. Facile preparation of magnetic mesoporous MnFe<sub>2</sub>O<sub>4</sub>@SiO<sub>2</sub>-CTAB composites for Cr(VI) adsorption and reduction. *Environmental Pollution* 2017, 220:1376-1385. (IF<sub>2016</sub>=5.099)
45. Jieying Liang, Xun-an Ning, Minyi Kong, Daohua Liu, Guangwen Wang, Haili Cai, Jian Sun, Yaping Zhang, Xingwen Lu, and Yong Yuan. Elimination and ecotoxicity evaluation of phthalic acid esters from textile-dyeing wastewater. *Environmental Pollution* 2017, 231:115-122. (IF<sub>2016</sub>=5.099)
46. Jukun Xiong, Guiying Li, Taicheng An\*. The microbial degradation of 2,4,6-tribromophenol (TBP) in water/sediments interface: Investigating bioaugmentation using *Bacillus* sp. GZT. *Sci. Total Environ.*, 2017, 575:573-580. (IF<sub>2016</sub>=4.900)
47. Jukun Xiong, Taicheng An, Guiying Li\*, Pingan Peng. Accelerated biodegradation of BPA in water-sediment microcosms with *Bacillus* sp. GZB and the associated bacterial community structure. *Chemosphere*, 2017, 184:120-126. (IF<sub>2016</sub>=4.208)
48. Zecong Ding, Fenglian Fu, Zihang Cheng, Jianwei Lu, and Bing Tang. Novel mesoporous Fe-Al bimetal oxides for As(III) removal: Performance and mechanism. *Chemosphere* 2017, 169:297-307. (IF<sub>2016</sub>=4.208)
49. Yiping Feng, Qingyun Song, Wenying Lv, and Guoguang Liu. Degradation of ketoprofen by sulfate radical-based advanced oxidation processes: Kinetics, mechanisms, and effects of natural water matrices. *Chemosphere* 2017, 189:643-651. (IF<sub>2016</sub>=4.208)
50. Fuhua Li, Qingqing Kong, Ping Chen, Min Chen, Guoguang Liu, Wenying Lv, and Kun Yao. Effect of halide ions on the photodegradation of ibuprofen in aqueous environments. *Chemosphere* 2017, 166:412-417. (IF<sub>2016</sub>=4.208)
51. Xingxing Peng, Tsz Wai Ng, Guocheng Huang, Wanjun Wang, Taicheng An\*, Po-Keung Wong\*. Bacterial disinfection in a sunlight/visible-light-driven photocatalytic reactor by recyclable natural magnetic sphalerite. *Chemosphere*, 2017, 166:521-527. (IF<sub>2016</sub>=4.208)
52. Meijing Yao, Yuemeng Ji, Honghong Wang, Zhimin Ao, Guiying Li, Taicheng An\*. Adsorption mechanisms of typical carbonyl-containing volatile organic compounds on anatase TiO<sub>2</sub>(001) surface: A DFT investigation. *J. Phys. Chem. C*, 2017, 121(25):13717-13722. (IF<sub>2016</sub>=4.536)
53. Hansun Fang, Guiying Li, Side Yao, Ximei Liang, Taicheng An\*. Kinetic and mechanism studies of musk tonalide reacted with hydroxyl radical and the risk assessment of degradation products. *Catal. Today*, 2017, 281(3): 642-648. (IF<sub>2016</sub>=4.636)
54. Jiayuan Shi, Jiangyao Chen, Guiying Li, Taicheng An\*, Hiromi Yamashita\*. Fabrication of Au/TiO<sub>2</sub> nanowires@carbon fiber paper ternary composite for visible-light photocatalytic degradation of gaseous styrene. *Catal. Today*, 2017, 281(3): 21-28. (IF<sub>2016</sub>=4.636)
55. Jiayin Ling, Yuan Tian, Renata Alves de Toledo, and Hojae Shim. Cost reduction for the lipid production from distillery and domestic mixed wastewater by *Rhodospiridium toruloides* via the reutilization of spent seed culture medium. *Energy* 2017, 136:135-141. (IF<sub>2016</sub>=4.520)
56. Dan Wu, Songtao Yue, Wei Wang, Taicheng An\*, Guiying Li, Liqun Ye, Ho Yin Yip, Po Keung Wong\*. Influence of photoinduced Bi-related self-doping on the photocatalytic activity of BiOBr nanosheets. *Appl. Surf. Sci.*, 2017, 391: 516-524. (IF<sub>2016</sub>=3.387)
57. Wenxiang Zhang, Luhui Ding, Nabil Grimi, Michel Y. Jaffrin, and Bing Tang. A rotating disk ultrafiltration process for recycling alfalfa wastewater. *Separation And Purification Technology* 2017, 188:476-484. (IF<sub>2016</sub>=3.359)
58. Zhongxu Zhuo, Jingyong Liu, Shuiyu Sun, Jian Sun, Jiahong Kuo, Kenlin Chang, Jiewen Fu, and Yujie Wang. Thermogravimetric characteristics of textile dyeing sludge, coal and their blend in N<sub>2</sub>/O<sub>2</sub> and CO<sub>2</sub>/O<sub>2</sub> atmospheres. *Applied Thermal Engineering* 2017, 111:87-94. (IF<sub>2016</sub>=3.356)
59. Jingyong Liu, Limao Huang, Musa Buyukada, and Fatih Evrendilek. Response surface optimization, modeling and uncertainty analysis of mass loss response of co-combustion of sewage sludge and water hyacinth. *Applied Thermal Engineering* 2017, 125:328-335. (IF<sub>2016</sub>=3.356)
60. Wenxiang Zhang, Nabil Grimi, Michel Y. Jaffrin, Luhui Ding, and Bing Tang. A short review on the research progress in alfalfa leaf protein separation technology. *Journal Of Chemical Technology And Biotechnology* 2017, 92(12):2894-2900. (IF<sub>2016</sub>=3.135)

61. Yuehan Su, Ping Chen, Fengliang Wang, Qianxin Zhang, Tiansheng Chen, Yingfei Wang, Kun Yao, Wenying Lv, and Guoguang Liu. Decoration of TiO<sub>2</sub>/g-C<sub>3</sub>N<sub>4</sub>Z-scheme by carbon dots as a novel photocatalyst with improved visible-light photocatalytic performance for the degradation of enrofloxacin. *RSC Advances* 2017, 7(54):34096-34103. (IF<sub>2016</sub>=3.108)
62. Feng Deng, Jian Sun, Yongyou Hu, Junfeng Chen, Sizhe Li, Jie Chen, and Yaping Zhang. Biofilm evolution and viability during: In situ preparation of a graphene/exoelectrogen composite biofilm electrode for a high-performance microbial fuel cell. *RSC Advances* 2017, 7(67):42172-42179. (IF<sub>2016</sub>=3.108)
63. Ruobai Li, Jing Kong, Haijin Liu, Ping Chen, Guoguang Liu, Fuhua Li, and Wenying Lv. A sulfate radical based ferrous-peroxydisulfate oxidative system for indomethacin degradation in aqueous solutions. *RSC Advances* 2017, 7(37):22802-22809. (IF<sub>2016</sub>=3.108)
64. Honghong Wang, Taicheng An, Annabella Selloni. Effect of reducible oxide-metal cluster charge transfer on the structure and reactivity of adsorbed Au and Pt atoms and clusters on anatase TiO<sub>2</sub>. *J. Chem. Phys.*, 2017, 146, 184703. (IF<sub>2016</sub>=2.965)
65. Wenxiang Zhang, Bing Tang, and Liying Bin. Research Progress in Biofilm-Membrane Bioreactor: A Critical Review. *Industrial and Engineering Chemistry Research* 2017, 56(24):6900-6909. (IF<sub>2016</sub>=2.843)
66. Laddawan Potprommanee, Xiaoqin Wang, Yeju Han, Didonce Nyobe, Yenping Peng, Qing Huang, Jingyong Liu, Yuling Liao, Kenlin Chang. Characterization of a thermophilic cellulase from *Geobacillus* sp. HTA426, an efficient cellulase-producer on alkali pretreated of lignocellulosic biomass. *PLOS ONE*, 2017. (IF<sub>2016</sub>=2.806)
67. Ling Ding, Wenying Lv, Kun Yao, Liming Li, Mengmeng Wang, and Guoguang Liu. Remediation of Cd(II)-contaminated soil via humin-enhanced electrokinetic technology. *Environmental Science And Pollution Research* 2017, 24(4):3430-3436. (IF<sub>2016</sub>=2.741)
68. Jiao Tang, Taicheng An\*, Jukun Xiong, Guiying Li. The evolution of pollution profile and health risk assessment for three groups SVOCs pollutants along with Beiji River, China. *Environ. Geochem. Health*, 2017, 39:1487-1499. (IF<sub>2016</sub>=2.616)
69. Jian-Hao Zhang, Hai-Yuan Zou, Xun-An Ning, Mei-Qing Lin, Chang-Min Chen, Tai-Cheng An, and Jian Sun. Combined ultrasound with Fenton treatment for the degradation of carcinogenic polycyclic aromatic hydrocarbons in textile dyeing sludge. *Environmental geochemistry and health* 2017. (IF<sub>2016</sub>=2.616)
70. Yiping Feng, Kun Lu, Shixiang Gao, and Liang Mao. The fate and transformation of tetrabromobisphenol A in natural waters, mediated by oxidoreductase enzymes. *Environmental Science-Processes & Impacts* 2017, 19(4):596-604. (IF<sub>2016</sub>=2.592)
71. Jingyong Liu, Wenhao Xie, Zhongxu Zhuo, Musa Buyukada, and Fatih Evrendilek. Thermochemical behavior of textile dyeing sludge, paper mill sludge, and their blends during (co-)combustion. *Thermochimica Acta* 2017, 655:101-105. (IF<sub>2016</sub>=2.236)
72. C. H. Yang, G. X. Wang, C. Zhang, Z. M. Ao. The tuned absorptance in multilayer graphene-dielectric structures by intraband transition. *J. Appl. Phys.*, 2017, 122, 133109. (IF<sub>2016</sub>=2.068)
73. C. H. Yang, C. Zhang, Z. M. Ao, and G. X. Wang. Enhanced and one-way absorptance of LiNiO<sub>2</sub> thin films in one-dimensional photonic crystals. *Journal of Applied Physics* 2017, 122(24). (IF<sub>2016</sub>=2.068)
74. Jia-Hong Kuo, Chiou-Liang Lin, Tsung-Jen Chang, Wang-Chang Weng, and JingYong Liu. Experimental investigation of synthetic gas composition in a two-stage fluidized bed gasification process: effect of activated carbon as bed material. *Environmental Technology* 2017, 38(9):1169-1175. (IF<sub>2016</sub>=1.751)
75. Ken-Lin Chang, Xi-Mei Chen, Jian Sun, Jing-yong Liu, Shui-yu Sun, Zuo-yi Yang, and Yin Wang. Spent mushroom substrate biochar as a potential amendment in pig manure and rice straw composting processes. *Environmental Technology* 2017, 38(13-14):1765-1769. (IF<sub>2016</sub>=1.751)
76. Yanpeng Gao, Guiying Li, Shengtao Ma, Taicheng An. Research Progress and Challenge of Synthetic Musks: from Personal Care, Environment Pollution to Human Health. *Progress In Chemistry*. 2017, 29(9):1082-1092. (IF<sub>2016</sub>=0.953)

77. Xun-An Ning, Jieying Liang, Taicheng An, Jian Sun, Xingwen Lu, and Yaping Zhang. Influence mechanisms of textile-dyeing sludge characteristics on degradation of anilines by integrated ultrasound-permanganate treatment. Abstracts Of Papers Of the American Chemical Society 2017, 253.
78. Guiying Li, Hongliang Yin, Qi Jiang, and Taicheng An. Photocatalytic inactivation mechanisms of bacteria as well as the decomposition of Antibiotic-Resistance Genes (ARG). Abstracts Of Papers Of the American Chemical Society 2017, 253.
79. Yanpeng Gao, Guiying Li, and Taicheng An. Photochemical and photocatalytic transformation mechanism and risk assessment of typical synthetic musks in water: Theoretical study. Abstracts Of Papers Of the American Chemical Society 2017, 253.
80. 王小琴, 张耿峻, 李清荷, 韩业钜, 陈细妹, 邓昊, 梁婉仪, 刘敬勇. 利用固定化技术与添加表面活性增强双酚A降解效率的研究. *环境科学学报*, 2017, 37 (9) : 3342-3348.
81. 张耿峻, 陈细妹, 韩业钜, 王小琴, 邱晓盛, 张永亮, 叶志超. 表面活性剂辅助离子液体预处理稻秆的酶解动力学与结构变化分析. *环境科学学报*, 2017, 37 (2) : 686-693.
82. 张耿峻, 韩业钜, 陈细妹, 王小琴, 约比, 黄佳钦, 叶志超, 李清荷\*. 产纤维素酶嗜热地芽孢杆菌 H T A 4 2 6 的筛选鉴定、酶学性质分析及其应用. *环境科学学报*, 2017, 37 (4) : 1444-1453.
83. 韩业钜, 张耿峻\*, 王小琴, 陈细妹, 邓昊, 李清荷, 刘敬勇, 吕俊标, 余华俭. 表面活性剂强化超声波-离子液体预处理对水葫芦酶解的影响. *环境科学学报*, 2017, 37 (7) : 2699-2706.
84. 傅杰文, 刘敬勇, 孙水裕, 郭家宏, 黄绍松, 张耿峻, 孙健, 卓钟旭, 梁凯云. 污泥与煤在CO<sub>2</sub>/O<sub>2</sub>及N<sub>2</sub>/O<sub>2</sub>气氛条件下的混燃特性分析. *环境科学学报*, 2017, 37(3):1021-1031.

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