**环境科学与工程学院学院----------姓名杨麒**

**1：H-index>20（以湖南大学为第一署名单位用于计算H-index的论文清单如下，其中本人唯一通讯作者及第一作者12篇，共同通讯作者26篇）**

1. Enhanced Photocatalytic Degradation of Tetracycline by Agl/BiVO4 Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. ACS Applied Materials and Interfaces, 2016, 8(48): 32887-32900

(**本人共同通讯作者**；SCI 2019 IF=8.758；刊出时间：2016年12月；引用次数201，**高被引论文**）

1. Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. Journal of Colloid and Interface Science, 2018, 519: 273-284 (SCI 2017 IF=5.091)

(**本人共同通讯作者**；SCI 2019 IF=7.489；刊出时间：2018年6月；引用次数144， **高被引论文**）

1. Photo-reduction of bromate in drinking water by metallic Ag and reduced graphene oxide (RGO) jointly modified BiVO4 under visible light irradiation. Water Research, 2016, 101: 555-563

(**本人共同通讯作者**；SCI 2019 IF=9.130；刊出时间：2016年9月；引用次数117，**高被引论文**）

1. Heterogeneous activation of peroxymonosulfate by Fe-Co layered doubled hydroxide for efficient catalytic degradation of Rhoadmine B. Chemical Engineering Journal, 2017, 321: 222-232

(**本人共同通讯作者**；SCI 2019 IF=10.652；刊出时间：2017年8月；引用次数102， **高被引论文**）

1. Understanding and mitigating the toxicity of cadmium to the anaerobic fermentation of waste activated sludge. Water Research, 2017, 124: 269-279

(**本人共同通讯作者**；SCI 2019 IF=9.130；刊出时间：2017年11月；引用次数91，**高被引论文**）

1. Efficient construction of bismuth vanadate-based Z-scheme photocatalyst for simultaneous Cr(VI) reduction and ciprofloxacin oxidation under visible light: Kinetics, degradation pathways and mechanism. Chemical Engineering Journal, 2018, 348: ‏ 157-170

(**本人唯一通讯作者**；SCI 2019 IF=10.652；刊出时间：2018年9月；引用次数87， **高被引论文**）

1. Enhanced dewaterability of waste activated sludge by Fe(II)-activated peroxymonosulfate oxidation. Bioresource Technology, 2016, 206: 134-140

(**本人唯一通讯作者**；SCI 2019 IF=7.539；刊出时间：2016年4月；引用次数86）

1. Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. Bioresource Technology, 2018, 247: 537- 544

(**本人第一作者**；SCI 2019 IF=7.539；刊出时间：2018年1月；引用次数80， **高被引论文**）

1. Aged refuse enhances anaerobic digestion of waste activated sludge. Water Research, 2017, 123: ‏ 724-733

(**本人共同通讯作者**；SCI 2019 IF=9.130；刊出时间：2017年10月；引用次数77，**高被引论文**）

1. Triclocarban enhances short-chain fatty acids production from anaerobic fermentation of waste activated sludge. Water Research, 2017, 127: ‏ 150-161

(**本人共同通讯作者**；SCI 2019 IF=9.130；刊出时间：2017年12月；引用次数75)

1. Effect of ciprofloxacin on biological nitrogen and phosphorus removal from wastewater. Science of the Total Environment, 2017, 605: 368-375

(**本人共同通讯作者**；SCI 2019 IF=6.551；刊出时间：2017年12月；引用次数67）

1. Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. Water Research, 2018, 130: ‏ 281-290

(**本人共同通讯作者**；SCI 2019 IF=9.130；刊出时间：2018年3月；引用次数66， **高被引论文**）

1. Calcium peroxide promotes hydrogen production from dark fermentation of waste activated sludge. Chemical Engineering Journal, 2019, 355: 22-32

(**本人共同通讯作者**；SCI 2019 IF=10.652；刊出时间：2019年1月；引用次数53，**高被引论文**）

1. Wastewater Opportunities for Denitrifying Anaerobic Methane Oxidation. Trends in Biotechnology, 2017, 35(9): 799-802

(**本人共同通讯作者**；SCI 2019 IF=14.343；刊出时间：2017年9月；引用次数50）

1. Visible-light photocatalytic degradation of multiple antibiotics by AgI nanoparticle-sensitized Bi5O7I microspheres: Enhanced interfacial charge transfer based on Z-scheme heterojunctions. Journal of Catalysis, 2017, 352: ‏ 160-170

(**本人唯一通讯作者**；SCI 2019 IF=7.888；刊出时间：2017年9月；引用次数50）

1. Potential impact of salinity on methane production from food waste anaerobic digestion. Waste Management, 2017, 67: 308-314

(**本人共同通讯作者**；SCI 2019 IF=5.448；刊出时间：2017年9月；引用次数48）

1. Enhanced visible light photocatalytic activity and mechanism of ZnSn(OH)(6) nanocubes modified with AgI nanoparticles. Catalysis Communications 2016, 73: ‏1-6

(**本人唯一通讯作者**；SCI 2019 IF=3.612；刊出时间：2016年1月；引用次数46）

1. Effect of initial pH on short chain fatty acid production during the anaerobic fermentation of membrane bioreactor sludge enhanced by alkyl polyglcoside. International Biodeterioration and Biodegradation, 2015, 104: 283-289

(**本人共同通讯作者**；SCI 2019 IF=4.074；刊出时间：2015年10月；引用次数43）

1. Simultaneous perchlorate and nitrate removal coupled with electricity generation in autotrophic denitrifying biocathode microbial fuel cell. Chemical Engineering Journal, 2017, 308: 783-790

(**本人唯一通讯作者**；SCI 2019 IF=10.652；刊出时间：2017年1月；引用次数40）

1. Role of free nitrous acid in the pretreatment of waste activated sludge: Extracellular polymeric substances disruption or cells lysis?. Chemical Engineering Journal, 2018, 336: 28-37

(**本人共同通讯作者**；SCI 2019 IF=10.652；刊出时间：2018年3月；引用次数39）

1. Free ammonia-based pretreatment enhances phosphorus release and recovery from waste activated sludge. Chemosphere, 2018, 213: ‏ 276-284

(**本人共同通讯作者**；SCI 2019 IF=10.652；刊出时间：2018年12月；引用次数38）

1. A novel pretreatment process of mature landfill leachate with ultrasonic activated persulfate: Optimization using integrated Taguchi method and response surface methodology. Process Safety and Environmental Protection, 2015, 98: 268-275

(**本人第一作者**；SCI 2019 IF=4.966；刊出时间：2015年11月；引用次数38）

1. Advanced landfill leachate treatment using iron-carbon microelectrolysis- Fenton process: Process optimization and column experiments. Journal of Hazardous Materials, 2016, 318: ‏460-467

(**本人共同通讯作者**；SCI 2019 IF=9.038；刊出时间：2016年11月；引用次数36）

1. Hydrated lanthanum oxide-modified diatomite as highly efficient adsorbent for low-concentration phosphate removal from secondary effluents. Journal of Environmental Management, 2019, 231: ‏ 370-379

(**本人共同通讯作者**；SCI 2019 IF=5.647；刊出时间：2019年2月；引用次数32， **高被引论文**）

1. [Effective adsorption/electrocatalytic degradation of perchlorate using Pd/Pt supported on N-doped activated carbon fiber cathode](http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=78&SID=7DXYWaEs12ruPGVdLI4&page=2&doc=52&cacheurlFromRightClick=no). Journal of Hazardous Materials, 2017, 323: ‏602-610

(**本人共同通讯作者**；SCI 2019 IF=9.038；刊出时间：2017年2月；引用次数32）

1. Nickel toxicity to the performance and microbial community of enhanced biological phosphorus removal system. Chemical Engineering Journal, 2017, 313: 415-423

(**本人共同通讯作者**；SCI 2019 IF=10.652；刊出时间：2017年4月；引用次数31）

1. Enhanced production of short-chain fatty acid from food waste stimulated by alkyl polyglycosides and its mechanism. Waste Management, 2015, 46: 133-139

(**本人唯一通讯作者**；SCI 2019 IF=5.448；刊出时间：2015年12月；引用次数31）

1. Self-assembly Z-scheme heterostructured photocatalyst of Ag2O@Ag-modified bismuth vanadate for efficient photocatalytic degradation of single and dual organic pollutants under visible light irradiation. RSC Advances, 2016, 6(65) : ‏60291-60307

(**本人第一作者**；SCI 2019 IF=3.119；刊出时间：2016年7月；引用次数28）

1. Persulfate activation by oxidation biochar supported magnetite particles for tetracycline removal: Performance and degradation pathway. Journal of Cleaner Production, 2019, 235: ‏ 1103-1115

(**本人共同通讯作者**；SCI 2019 IF=7.246；刊出时间：2019年10月；引用次数26）

1. Synergetic transformations of multiple pollutants driven by BiVO4-catalyzed sulfite under visible light irradiation: Reaction kinetics and intrinsic mechanism. Chemical Engineering Journal, 2019, 355: 624-636

(**本人共同通讯作者**；SCI 2019 IF=10.652；刊出时间：2019年1月；引用次数26）

1. Effect of nickel on the flocculability, settleability, and dewaterability of activated sludge. Bioresource Technology, 2017, 224: 188-196

(**本人第一作者**；SCI 2019 IF=7.539；刊出时间：2017年1月；引用次数24）

1. Heterogeneous activation of peroxymonosulfate using Mn-Fe layered double hydroxide: Performance and mechanism for organic pollutant degradation. Science of the Total Environment, 2019, 663: 453-464

(**本人共同通讯作者**；SCI 2019 IF=6.551；刊出时间：2019年5月；引用次数67）

1. Electrocatalytic hydrodechlorination of 4-chlorophenol on Pd supported multi-walled carbon nanotubes particle electrodes. Chemical Engineering Journal, 2019, 358: 903-911

(**本人共同通讯作者**；SCI 2019 IF=10.652；刊出时间：2019年2月；引用次数22）

1. Granular activated carbon supported iron as a heterogeneous persulfate catalyst for the pretreatment of mature landfill leachate. RSC Advances, 2016, 6(2) : ‏ 987-994

(**本人唯一通讯作者**；SCI 2019 IF=3.119；刊出时间：2016年7月；引用次数22）

1. Adsorption-coupled reduction of bromate by Fe(II)-Al(III) layered double hydroxide in fixed-bed column: Experimental and breakthrough curves analysis. Journal of Industrial and Engineering Chemistry, 2015, 28: 54-59

(**本人第一作者**；SCI 2019 IF=5.278；刊出时间：2015年8月；引用次数21）

1. Indirect electrochemical reduction of nitrate in water using zero-valent titanium anode: Factors, kinetics, and mechanism. Water Research, 2019, 157: ‏191-200

(**本人共同通讯作者**；SCI 2019 IF=9.130；刊出时间：2019年6月；引用次数20）

1. Sulfate radical induced degradation of Methyl Violet azo dye with CuFe layered doubled hydroxide as heterogeneous photoactivator of persulfate. Journal of Environmental Management, 2018, 227: ‏406-414

(**本人共同通讯作者**；SCI 2019 IF=5.647；刊出时间：2018年12月；引用次数20）

1. Enhanced visible-light-driven photocatalytic removal of refractory pollutants by Zn/Fe mixed metal oxide derived from layered double hydroxide. Catalysis Communications 2017, 99: ‏15-19

(**本人共同通讯作者**；SCI 2019 IF=3.612；刊出时间：2017年8月；引用次数20）