**环境科学与工程学院学院----------姓名 王冬波**

**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）**

1. Mechanisms of peroxymonosulfate pretreatment enhancing production of short-chain fatty acids from waste activated sludge. Water Research. 2019, 148: 239-249

（本人通讯作者；SCI 2019 IF=9.130；刊出时间：2019年1月；引用次数67次，热点论文，高被引论文）

1. Unveiling the mechanisms of how cationic polyacrylamide affects short-chain fatty acids accumulation during long-term anaerobic fermentation of waste activated sludge. Water Research, 2019, 155: 142-151

（本人通讯作者；SCI 2019 IF=9.130；刊出时间：2019年5月；引用次数63次，热点论文，高被引论文）

1. Recyclable zero-valent iron activating peroxymonosulfate synchronously combined with thermal treatment enhances sludge dewaterability by altering physicochemical and biological properties. Bioresource Technology, 2018, 262, 294-301

（本人通讯作者；SCI 2019 IF=7.539；刊出时间：2018年8月；引用次数56次，高被引论文）

1. Free Nitrous Acid Promotes Hydrogen Production from Dark Fermentation of Waste Activated Sludge. Water Research. 2018, 145: 113-124

（本人通讯作者；SCI 2019 IF=9.130；刊出时间：2018年11月；引用次数51次，热点论文，高被引论文）

1. Improved methane production from waste activated sludge by combining free ammonia with heat pretreatment: performance, mechanisms and applications. Bioresource Technology, 2018, 268: 230-236

（本人通讯作者；SCI 2019 IF=7.539；刊出时间：2018年11月；引用次数46次，热点论文，高被引论文）

1. Feasibility of enhancing short-chain fatty acids production from waste activated sludge after free ammonia pretreatment: Role and significance of rhamnolipid. Bioresource Technology, 2018, 267: 141-148

（本人通讯作者；SCI 2019 IF=7.539；刊出时间：2018年11月；引用次数40次，高被引论文）

1. Enhanced short-chain fatty acids production from waste activated sludge by combining calcium peroxide with free ammonia pretreatment. Bioresource Technology, 2018, 262: 114-123

（本人第一作者和通讯作者；SCI 2019 IF=7.539；刊出时间：2018年8月；引用次数40次，高被引论文）

1. Free ammonia aids ultrasound pretreatment to enhance short-chain fatty acids production from waste activated sludge. Bioresource Technology, 2019, 275: 163-171

（本人第一作者和通讯作者；SCI 2019 IF=7.539；刊出时间：2019年3月；引用次数38次，高被引论文）

1. The Underlying Mechanism of Calcium Peroxide Pretreatment Enhancing Methane Production from Anaerobic Digestion of Waste Activated Sludge. Water Research, 2019, 164，114934

（本人第一作者和通讯作者；SCI 2019 IF=9.130；刊出时间：2019年11月；引用次数36次，高被引论文）

1. Effect of diclofenac on the production of volatile fatty acids from anaerobic fermentation of waste activated sludge. Bioresource Technology, 2018, 254: 7-15

（本人通讯作者；SCI 2019 IF=7.539；刊出时间：2018年7月；引用次数36次）

1. Enhanced short-chain fatty acids production from waste activated sludge by sophorolipid: performance, mechanism, and implication. Bioresource Technology, 2019, 284: 456-465

（本人通讯作者；SCI 2019 IF=7.539；刊出时间：2019年7月；引用次数34次，高被引论文）

1. Facile synthesis of In2S3/UiO-66 composite with enhanced adsorption performance and photocatalytic activity for the removal of tetracycline under visible light irradiation. Journal of Colloid and Interface Science, 2019, 535: 444-457

（本人通讯作者；SCI 2019 IF=7.489；刊出时间：2019年2月；引用次数33次）

1. Effect of acetate to glycerol ratio on enhanced biological phosphorus removal. Chemosphere, 2018, 196:‏ 78-86

（本人通讯作者；SCI 2019 IF=5.778；刊出时间：2018年6月；引用次数32次）

1. Thermal-alkaline pretreatment of polyacrylamide flocculated waste activated sludge: process optimization and effects on anaerobic digestion and polyacrylamide degradation. Bioresource Technology, 2019, 281: 158-167

（本人通讯作者；SCI 2019 IF=7.539；刊出时间：2019年6月；引用次数30次，高被引论文）

1. Clarifying the Role of Free Ammonia in the Production of Short-Chain Fatty Acids from Waste Activated Sludge Anaerobic Fermentation. ACS Sustainable Chemistry & Engineering, 2018, 6, 14104−14113

（本人通讯作者；SCI 2019 IF=7.632；刊出时间：2018年11月；引用次数28次）

1. Free Ammonia-Based Pretreatment Promotes Short-Chain Fatty Acid Production from Waste Activated Sludge. ACS Sustainable Chemistry & Engineering, 2018, 6, 9120−9129

（本人通讯作者；SCI 2019 IF=7.632；刊出时间：2018年7月；引用次数27次）

1. Application of silver phosphate-based photocatalysts: Barriers and solutions. Chemical Engineering Journal. 2019, 366: 339-357

（本人通讯作者；SCI 2019 IF=10.652；刊出时间：2019年6月；引用次数26次）

1. How Does Free Ammonia-Based Sludge Pretreatment Improve Methane Production from Anaerobic Digestion of Waste Activated Sludge? Chemosphere, 2018, 206, 491-501

（本人第一作者和通讯作者；SCI 2019 IF=5.778；刊出时间：2018年9月；引用次数25次）

1. Enhanced short-chain fatty acids from waste activated sludge by heat-CaO2 advanced thermal hydrolysis pretreatment: mechanisms and implications. ACS Sustainable Chemistry & Engineering, 2019, 7 (3)：3544–3555

（本人通讯作者；SCI 2019 IF=7.632；刊出时间：2019年2月；引用次数23次）

1. Free Ammonia-Based Sludge Treatment Reduces Sludge Production in the Wastewater Treatment Process. Chemosphere, 2018, 205, 484-492

（本人通讯作者；SCI 2019 IF=5.778；刊出时间：2018年8月；引用次数21次）

1. How does zero valent iron activating peroxydisulfate improve the dewatering of anaerobically digested sludge? Water Research, 2019, 163：114912

（本人通讯作者； SCI 2019 IF=9.130；刊出时间：2019年10月；引用次数20次）

1. Heat pretreatment assists free ammonia to enhance hydrogen production from waste activated sludge. Bioresource Technology, 2019, 283: 316-325

（本人第一作者和通讯作者；SCI 2019 IF=7.539；刊出时间：2019年7月；引用次数20次）

1. Effect of Triclocarban on Hydrogen production from Dark Fermentation of Waste Activated Sludge. Bioresource Technology, 2019, 279: 307-316

（本人通讯作者；SCI 2019 IF=7.539；刊出时间：2019年5月；引用次数20次）