

Han-Qing Yu

List of Publications by Year in descending order

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669
papers

55,455
citations

813

118
h-index

2684

193
g-index

681
all docs

681
docs citations

681
times ranked

38839
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting the contribution of FeIVO ₂ ⁺ in Fe(II)/peroxydisulfate system. Chinese Chemical Letters, 2023, 34, 107555.	9.0	1
2	2D/2D FeNi-layered double hydroxide/bimetal-MOFs nanosheets for enhanced photo-Fenton degradation of antibiotics: Performance and synergetic degradation mechanism. Chemosphere, 2022, 287, 132061.	8.2	35
3	In-situ regeneration of tetracycline-saturated hierarchical porous carbon by peroxydisulfate oxidation process: Performance, mechanism and application. Chemical Engineering Journal, 2022, 427, 131749.	12.7	29
4	Revealing the mechanisms of rhamnolipid enhanced hydrogen production from dark fermentation of waste activated sludge. Science of the Total Environment, 2022, 806, 150347.	8.0	9
5	Edge electronic vacancy on ultrathin carbon nitride nanosheets anchoring O ₂ to boost H ₂ O ₂ photoproduction. Applied Catalysis B: Environmental, 2022, 302, 120845.	20.2	56
6	Peroxymonosulfate (PMS) activation by mackinawite for the degradation of organic pollutants: Underappreciated role of dissolved sulfur derivatives. Science of the Total Environment, 2022, 811, 151421.	8.0	22
7	Nondestructive 3D imaging and quantification of hydrated biofilm matrix by confocal Raman microscopy coupled with non-negative matrix factorization. Water Research, 2022, 210, 117973.	11.3	11
8	Sequential Assembly Tailored Interior of Porous Carbon Spheres for Boosted Water Decontamination through Peroxymonosulfate Activation. Advanced Functional Materials, 2022, 32, .	14.9	14
9	Evaluating the effect of diclofenac on hydrogen production by anaerobic fermentation of waste activated sludge. Journal of Environmental Management, 2022, 308, 114641.	7.8	11
10	Identification of Fenton-like active Cu sites by heteroatom modulation of electronic density. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	132
11	Ligand-Assisted Formation of Soluble Mn(III) and Bixbyite-like Mn ₂ O ₃ by <i>Shewanella putrefaciens</i> CN32. Environmental Science & Technology, 2022, 56, 3812-3820.	10.0	13
12	Unexpected role of electronâ€‘transfer hub in direct degradation of pollutants by exoelectrogenic bacteria. Environmental Microbiology, 2022, 24, 1838-1848.	3.8	9
13	Zirconium-modified biochar as the efficient adsorbent for low-concentration phosphate: performance and mechanism. Environmental Science and Pollution Research, 2022, 29, 62347-62360.	5.3	7
14	Reversing Electron Transfer Chain for Light-Driven Hydrogen Production in Bioticâ€‘Abiotic Hybrid Systems. Journal of the American Chemical Society, 2022, 144, 6434-6441.	13.7	35
15	In-situ quantitative monitoring the organic contaminants uptake onto suspended microplastics in aquatic environments. Water Research, 2022, 215, 118235.	11.3	12
16	Hospital sewage treatment facilities witness the fighting against the COVID-19 pandemic. Journal of Environmental Management, 2022, 309, 114728.	7.8	1
17	Recovery of Iron-Dependent Autotrophic Denitrification Activity from Cellâ€‘Iron Mineral Aggregation-Induced Reversible Inhibition by Low-Intensity Ultrasonication. Environmental Science & Technology, 2022, 56, 595-604.	10.0	16
18	Reusing Sulfur-Poisoned Palladium Waste as a Highly Active, Nonradical Fenton-like Catalyst for Selective Degradation of Phenolic Pollutants. Environmental Science & Technology, 2022, 56, 564-574.	10.0	30

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19	Thermochemical Conversion of Lignocellulosic Biomass into Mass-Produced Fuels: Emerging Technology Progress and Environmental Sustainability Evaluation. ACS Environmental Au, 2022, 2, 98-114.	7.0	41
20	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxymonosulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism. Journal of Hazardous Materials, 2022, 435, 128970.	12.4	24
21	PCGA: a comprehensive web server for phenotype-cell-gene association analysis. Nucleic Acids Research, 2022, 50, W568-W576.	14.5	4
22	Simultaneous nanocatalytic surface activation of pollutants and oxidants for highly efficient water decontamination. Nature Communications, 2022, 13, .	12.8	117
23	Semi-quantitative probing of reactive oxygen species in persulfate-based heterogeneous catalytic oxidation systems for elucidating the reaction mechanism. Chemical Engineering Journal, 2022, 446, 137237.	12.7	10
24	Mn-Doped Biochar Derived from Sewage Sludge for Ciprofloxacin Degradation. Journal of Environmental Engineering, ASCE, 2022, 148, .	1.4	1
25	Catalytic Oxygen Activation over the Defective CuO Nanoparticles for Ultrafast Dehalogenation. ACS Applied Materials & Interfaces, 2022, 14, 29964-29973.	8.0	5
26	Facilely tuning the intrinsic catalytic sites of the spinel oxide for peroxymonosulfate activation: From fundamental investigation to pilot-scale demonstration. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	52
27	Repurposing CRISPR RNA-guided integrases system for one-step, efficient genomic integration of ultra-long DNA sequences. Nucleic Acids Research, 2022, 50, 7739-7750.	14.5	13
28	Understanding the interaction between triclocarban and denitrifiers. Journal of Hazardous Materials, 2021, 401, 123343.	12.4	16
29	Efficient degradation of bisphenol A via peroxydisulfate activation using in-situ N-doped carbon nanoparticles: Structure-function relationship and reaction mechanism. Journal of Colloid and Interface Science, 2021, 586, 551-562.	9.4	52
30	Dependence of arsenic resistance and reduction capacity of Aeromonas hydrophila on carbon substrate. Journal of Hazardous Materials, 2021, 403, 123611.	12.4	19
31	A critical review on the mechanisms of persulfate activation by iron-based materials: Clarifying some ambiguity and controversies. Chemical Engineering Journal, 2021, 407, 127078.	12.7	101
32	Electro-assisted autohydrogenotrophic reduction of perchlorate and microbial community in a dual-chamber biofilm-electrode reactor. Chemosphere, 2021, 264, 128548.	8.2	8
33	Mechanistic insights into the effect of poly ferric sulfate on anaerobic digestion of waste activated sludge. Water Research, 2021, 189, 116645.	11.3	95
34	TiO ₂ photoexcitation promoted horizontal transfer of resistance genes mediated by phage transduction. Science of the Total Environment, 2021, 760, 144040.	8.0	21
35	Anaerobic reduction of high-polarity nitroaromatic compounds by electrochemically active bacteria: Roles of Mtr respiratory pathway, molecular polarity, mediator and membrane permeability. Environmental Pollution, 2021, 268, 115943.	7.5	10
36	Advances in the characterization and monitoring of natural organic matter using spectroscopic approaches. Water Research, 2021, 190, 116759.	11.3	74

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37	Understanding the fate and impact of capsaicin in anaerobic co-digestion of food waste and waste activated sludge. <i>Water Research</i> , 2021, 188, 116539.	11.3	99
38	Understanding the mechanism of how anaerobic fermentation deteriorates sludge dewaterability. <i>Chemical Engineering Journal</i> , 2021, 404, 127026.	12.7	51
39	Rapid and highly efficient genomic engineering with a novel <scp>iEditing</scp> device for programming versatile extracellular electron transfer of electroactive bacteria. <i>Environmental Microbiology</i> , 2021, 23, 1238-1255.	3.8	14
40	Fine tuning of phosphorus active sites on g-C₃N₄ nanosheets for enhanced photocatalytic decontamination. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10933-10944.	10.3	26
41	Density Functional Theory Investigation into the Effects of Dissolved Organic Matter on H₂O₂ Activation over Î±-Fe₂O₃ (001) Surfaces. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8508-8517.	3.1	7
42	Thickness-Dependence of Surface Reconstruction on the (001) Surface of Ultrathin Silicon Nanosheets by Density Functional Tight Binding Simulations. <i>Science of Advanced Materials</i> , 2021, 13, 387-397.	0.7	6
43	Efficient decontamination of organic pollutants under high salinity conditions by a nonradical peroxymonosulfate activation system. <i>Water Research</i> , 2021, 191, 116799.	11.3	259
44	Efficient Conversion of the Lignocellulosic Biomass Waste into 5-Hydroxymethylfurfural-Enriched Bio-Oil and Co Nanoparticle-Functionalized Biochar. <i>ACS ES&T Engineering</i> , 2021, 1, 895-904.	7.6	8
45	Enhancing the Thermal Stability of NASICON Solid Electrolyte Pellets against Metallic Lithium by Defect Modification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18743-18749.	8.0	29
46	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. <i>Water Research</i> , 2021, 193, 116881.	11.3	121
47	Engineering a Rhamnose-Inducible System to Enhance the Extracellular Electron Transfer Ability of <i>Shewanella</i> Genus for Improved Cr(VI) Reduction. <i>ACS ES&T Engineering</i> , 2021, 1, 842-850.	7.6	14
48	Intracellular Hybrid Biosystem in a Protozoan to Trigger Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19846-19854.	8.0	3
49	Interface-Promoted Direct Oxidation of <i>p</i>-Arsanilic Acid and Removal of Total Arsenic by the Coupling of Peroxymonosulfate and Mn-Fe-Mixed Oxide. <i>Environmental Science & Technology</i> , 2021, 55, 7063-7071.	10.0	42
50	Roles of cation efflux pump in biomineralization of cadmium into quantum dots in <i>Escherichia coli</i> . <i>Journal of Hazardous Materials</i> , 2021, 412, 125248.	12.4	10
51	Tonalide facilitates methane production from anaerobic digestion of waste activated sludge. <i>Science of the Total Environment</i> , 2021, 779, 146195.	8.0	11
52	Iron Cycle Tuned by Outer-Membrane Cytochromes of Dissimilatory Metal-Reducing Bacteria: Interfacial Dynamics and Mechanisms In Vitro. <i>Environmental Science & Technology</i> , 2021, 55, 11424-11433.	10.0	14
53	Digestion liquid based alkaline pretreatment of waste activated sludge promotes methane production from anaerobic digestion. <i>Water Research</i> , 2021, 199, 117198.	11.3	63
54	Sequestosome 1/p62: A multitasker in the regulation of malignant tumor aggression (Review). <i>International Journal of Oncology</i> , 2021, 59, .	3.3	22

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55	Cation- Fe^{2+} induced surface cleavage of organic pollutants with H_2O_2 formation from H_2O for water treatment. <i>IScience</i> , 2021, 24, 102874.	4.1	20
56	Soluble microbial products from the white-rot fungus <i>Phanerochaete chrysosporium</i> as the bioflocculant for municipal wastewater treatment. <i>Science of the Total Environment</i> , 2021, 780, 146662.	8.0	16
57	Plate-Based Kinetic Fluorescence Tests for High-Throughput Screening of Electrochemically Active Bacteria. <i>ACS ES&T Water</i> , 2021, 1, 2139-2145.	4.6	4
58	Enhanced Bioreduction of Radionuclides by Driving Microbial Extracellular Electron Pumping with an Engineered CRISPR Platform. <i>Environmental Science & Technology</i> , 2021, 55, 11997-12008.	10.0	18
59	Constructing N, P-dually doped biochar materials from biomass wastes for high-performance bifunctional oxygen electrocatalysts. <i>Chemosphere</i> , 2021, 278, 130508.	8.2	30
60	Quantitative Coassembly for Precise Synthesis of Mesoporous Nanospheres with Pore Structure-Dependent Catalytic Performance. <i>Advanced Materials</i> , 2021, 33, e2103130.	21.0	13
61	Enhancing methane production from anaerobic digestion of waste activated sludge with addition of sodium lauroyl sarcosinate. <i>Bioresource Technology</i> , 2021, 336, 125321.	9.6	11
62	Adopting vibration to alleviate the solute buildup and membrane fouling in a forward osmosis system. <i>Journal of Cleaner Production</i> , 2021, 323, 129202.	9.3	7
63	Extracellular electron transfer via multiple electron shuttles in waterborne <i>Aeromonas hydrophila</i> for bioreduction of pollutants. <i>Biotechnology and Bioengineering</i> , 2021, 118, 4760-4770.	3.3	7
64	In-depth research on percarbonate expediting zero-valent iron corrosion for conditioning anaerobically digested sludge. <i>Journal of Hazardous Materials</i> , 2021, 419, 126389.	12.4	23
65	A critical review on the application of biochar in environmental pollution remediation: Role of persistent free radicals (PFRs). <i>Journal of Environmental Sciences</i> , 2021, 108, 201-216.	6.1	76
66	Systematically assessing genetic strategies for engineering electroactive bacterium to promote bioelectrochemical performances and pollutant removal. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101506.	2.7	1
67	Unexpected alleviation of transparent exopolymer particles-associated membrane fouling through interaction with typical organic foulants. <i>Journal of Membrane Science</i> , 2021, 636, 119554.	8.2	13
68	Evaluation of antibacterial activities of silver nanoparticles on culturability and cell viability of <i>Escherichia coli</i> . <i>Science of the Total Environment</i> , 2021, 794, 148765.	8.0	22
69	Photocatalytic degradation of tetracycline by metal-organic frameworks modified with Bi_2WO_6 nanosheet under direct sunlight. <i>Chemosphere</i> , 2021, 284, 131386.	8.2	64
70	Enhancing Fenton-like catalytic efficiency of Bi_2WO_6 by iodine doping for pollutant degradation. <i>Separation and Purification Technology</i> , 2021, 277, 119447.	7.9	10
71	Integrating single-cobalt-site and electric field of boron nitride in dechlorination electrocatalysts by bioinspired design. <i>Nature Communications</i> , 2021, 12, 303.	12.8	97
72	Pyrolysis of Biomass Wastes to N-Doped Biochar-Stabilized Co Nanoparticles for Efficient Pollutant Degradation Via Peroxymonosulfate Activation. <i>ACS ES&T Engineering</i> , 2021, 1, 1715-1724.	7.6	19

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73	Controlling pathogenic risks of water treatment biotechnologies at the source by genetic editing means. <i>Environmental Microbiology</i> , 2021, 23, 7578-7590.	3.8	9
74	Why Should Tryptones Rather Than Bovine Serum Albumin Be Used as Model Proteins to Explore the Interactions between Proteins and Pollutants in Environments?. <i>Environmental Science and Technology Letters</i> , 2021, 8, 1038-1044.	8.7	11
75	How Does Chitosan Affect Methane Production in Anaerobic Digestion?. <i>Environmental Science & Technology</i> , 2021, 55, 15843-15852.	10.0	76
76	Multi-hydrolytic enzyme accumulation and microbial community structure of anaerobic co-digestion of food waste and waste-activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 478-487.	2.2	10
77	Optimizing sludge dewatering with a combined conditioner of Fenton's reagent and cationic surfactant. <i>Journal of Environmental Sciences</i> , 2020, 88, 21-30.	6.1	41
78	The effects of thiosulfates on methane production from anaerobic co-digestion of waste activated sludge and food waste and mitigate method. <i>Journal of Hazardous Materials</i> , 2020, 384, 121363.	12.4	27
79	Degradation of benzoic acid in an advanced oxidation process: The effects of reducing agents. <i>Journal of Hazardous Materials</i> , 2020, 382, 121090.	12.4	79
80	Synergistic adsorption and electrocatalytic reduction of bromate by Pd/N-doped loofah sponge-derived biochar electrode. <i>Journal of Hazardous Materials</i> , 2020, 386, 121651.	12.4	49
81	Iron-nitrogen doped carbon with exclusive presence of Fe _x N active sites as an efficient ORR electrocatalyst for Zn-air battery. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118405.	20.2	80
82	Enhanced dewaterability of anaerobically digested sludge by in-situ free nitrous acid treatment. <i>Water Research</i> , 2020, 169, 115264.	11.3	73
83	Interaction between perfluorooctanoic acid and aerobic granular sludge. <i>Water Research</i> , 2020, 169, 115249.	11.3	75
84	Denitrification with non-organic electron donor for treating low C/N ratio wastewaters. <i>Bioresource Technology</i> , 2020, 299, 122686.	9.6	98
85	Enhanced dark fermentative hydrogen production from waste activated sludge by combining potassium ferrate with alkaline pretreatment. <i>Science of the Total Environment</i> , 2020, 707, 136105.	8.0	39
86	Exclusive microbially driven autotrophic iron-dependent denitrification in a reactor inoculated with activated sludge. <i>Water Research</i> , 2020, 170, 115300.	11.3	89
87	The inhibitory effect of thiosulfate on volatile fatty acid and hydrogen production from anaerobic co-fermentation of food waste and waste activated sludge. <i>Bioresource Technology</i> , 2020, 297, 122428.	9.6	15
88	Bio-coal: A renewable and massively producible fuel from lignocellulosic biomass. <i>Science Advances</i> , 2020, 6, eaay0748.	10.3	81
89	Heterogeneous activation of persulfate by Ag doped BiFeO ₃ composites for tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 33-45.	9.4	66
90	Influence of low voltage electric field stimulation on hydrogen generation from anaerobic digestion of waste activated sludge. <i>Science of the Total Environment</i> , 2020, 704, 135849.	8.0	15

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91	Microwave-assisted catalytic upgrading of co-pyrolysis vapor using HZSM-5 and MCM-41 for bio-oil production: Co-feeding of soapstock and straw in a downdraft reactor. <i>Bioresource Technology</i> , 2020, 299, 122611.	9.6	30
92	Spatiotemporal Organization of Biofilm Matrix Revealed by Confocal Raman Mapping Integrated with Non-negative Matrix Factorization Analysis. <i>Analytical Chemistry</i> , 2020, 92, 707-715.	6.5	23
93	$\hat{\text{I}}\pm$ -Diimine nickel complexes bearing axially bulky terphenyl and equatorially bulky dibenzobarrelene groups: synthesis, characterization and olefin polymerization studies. <i>Polymer Chemistry</i> , 2020, 11, 6783-6793.	3.9	31
94	Enhancement of short-chain fatty acids production from microalgae by potassium ferrate addition: Feasibility, mechanisms and implications. <i>Bioresource Technology</i> , 2020, 318, 124266.	9.6	44
95	Hierarchically porous biochar for supercapacitor and electrochemical H ₂ O ₂ production. <i>Chemical Engineering Journal</i> , 2020, 402, 126171.	12.7	64
96	Catalytic degradation of ciprofloxacin by a visible-light-assisted peroxydisulfate activation system: Performance and mechanism. <i>Water Research</i> , 2020, 173, 115559.	11.3	270
97	In situ organic Fenton-like catalysis triggered by anodic polymeric intermediates for electrochemical water purification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30966-30972.	7.1	41
98	Phosphate-Suppressed Selenite Biotransformation by <i>Escherichia coli</i> . <i>Environmental Science & Technology</i> , 2020, 54, 10713-10721.	10.0	19
99	Microbial electrochemical production of energy and value-added chemicals from agri-food wastewater. , 2020, , 355-372.		1
100	Novel Bi $\hat{\text{A}}$ Doped Amorphous SnO _x Nanoshells for Efficient Electrochemical CO ₂ Reduction into Formate at Low Overpotentials. <i>Advanced Materials</i> , 2020, 32, e2002822.	21.0	104
101	Molecular mechanisms of microbial transmembrane electron transfer of electrochemically active bacteria. <i>Current Opinion in Chemical Biology</i> , 2020, 59, 104-110.	6.1	32
102	Surface functionalization of reverse osmosis membranes with sulfonic groups for simultaneous mitigation of silica scaling and organic fouling. <i>Water Research</i> , 2020, 185, 116203.	11.3	50
103	Structural Basis for a Quadratic Relationship between Electronic Absorption and Electronic Paramagnetic Resonance Parameters of Type 1 Copper Proteins. <i>Inorganic Chemistry</i> , 2020, 59, 10620-10627.	4.0	0
104	Envisaging wastewater-to-energy practices for sustainable urban water pollution control: Current achievements and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110134.	16.4	16
105	Enhanced anaerobic co-digestion of waste activated sludge and food waste by sulfidated microscale zerovalent iron: Insights in direct interspecies electron transfer mechanism. <i>Bioresource Technology</i> , 2020, 316, 123901.	9.6	67
106	Iron-assisted biological wastewater treatment: Synergistic effect between iron and microbes. <i>Biotechnology Advances</i> , 2020, 44, 107610.	11.7	64
107	Phosphorus Recovery from Wastewater Prominently through a Fe(II) $\hat{\text{A}}$ P Oxidizing Pathway in the Autotrophic Iron-Dependent Denitrification Process. <i>Environmental Science & Technology</i> , 2020, 54, 11576-11583.	10.0	27
108	Editorial overview: Microbial $\hat{\text{A}}$ cell factory $\hat{\text{A}}$ for bioenergy production from low-value carbon sources. <i>Current Opinion in Chemical Biology</i> , 2020, 59, A4-A6.	6.1	0

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109	Developing a population-state decision system for intelligently reprogramming extracellular electron transfer in <i>Shewanella oneidensis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23001-23010.	7.1	29
110	The fate and impact of TCC in nitrifying cultures. Water Research, 2020, 178, 115851.	11.3	28
111	Sustainable production of value-added carbon nanomaterials from biomass pyrolysis. Nature Sustainability, 2020, 3, 753-760.	23.7	124
112	Molecular Insights into Extracellular Polymeric Substances in Activated Sludge. Environmental Science & Technology, 2020, 54, 7742-7750.	10.0	213
113	Performance and Mechanism of Potassium Ferrate(VI) Enhancing Dark Fermentative Hydrogen Accumulation from Waste Activated Sludge. ACS Sustainable Chemistry and Engineering, 2020, 8, 8681-8691.	6.7	25
114	Longer persistence of quorum quenching bacteria over quorum sensing bacteria in aerobic granules. Water Research, 2020, 179, 115904.	11.3	21
115	Electron transfer via the non-Mtr respiratory pathway from <i>Shewanella putrefaciens</i> CN-32 for methyl orange bioreduction. Process Biochemistry, 2020, 95, 108-114.	3.7	6
116	Enhanced full solar spectrum photocatalysis by nitrogen-doped graphene quantum dots decorated BiO ₂ -x nanosheets: Ultrafast charge transfer and molecular oxygen activation. Applied Catalysis B: Environmental, 2020, 277, 119218.	20.2	79
117	Probing protein-induced membrane fouling with in-situ attenuated total reflectance fourier transform infrared spectroscopy and multivariate curve resolution-alternating least squares. Water Research, 2020, 183, 116052.	11.3	22
118	Pb(II) Adsorption by Nano-Goethite Loaded with Chestnut Shell Pigment. Emerging Materials Research, 2020, 9, 1-10.	0.7	2
119	Selective electrochemical CO ₂ reduction on Cu-Pd heterostructure. Applied Catalysis B: Environmental, 2020, 270, 118864.	20.2	66
120	Deteriorated biofilm-forming capacity and electroactivity of <i>Shewanella oneidensis</i> MR-1 induced by insertion sequence (IS) elements. Biosensors and Bioelectronics, 2020, 156, 112136.	10.1	6
121	Probing Microbial Extracellular Respiration Ability Using Riboflavin. Analytical Chemistry, 2020, 92, 10606-10612.	6.5	14
122	Stable Electrochemical Determination of Dopamine by a Fluorine-Terminated {001}-Exposed TiO ₂ Single Crystal Sensor. Analytical Chemistry, 2020, 92, 9629-9639.	6.5	10
123	Electrochemical Cr(VI) removal from aqueous media using titanium as anode: Simultaneous indirect electrochemical reduction of Cr(VI) and in-situ precipitation of Cr(III). Chemosphere, 2020, 260, 127537.	8.2	71
124	Fluorescence Sensor Based on Biosynthetic CdSe/CdS Quantum Dots and Liposome Carrier Signal Amplification for Mercury Detection. Analytical Chemistry, 2020, 92, 3990-3997.	6.5	81
125	Redirecting Electron Flux with an Engineered CRISPR-ddAsCpf1 System to Enhance the Pollutant Degradation Capacity of <i>Shewanella oneidensis</i> . Environmental Science & Technology, 2020, 54, 3599-3608.	10.0	38
126	Norfloxacin-induced effect on enhanced biological phosphorus removal from wastewater after long-term exposure. Journal of Hazardous Materials, 2020, 392, 122336.	12.4	21

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127	Increasing Poly(ethylene oxide) Stability to 4.5 V by Surface Coating of the Cathode. ACS Energy Letters, 2020, 5, 826-832.	17.4	192
128	Promoting bidirectional extracellular electron transfer of <i>Shewanella oneidensis</i> for hexavalent chromium reduction via elevating intracellular cAMP level. Biotechnology and Bioengineering, 2020, 117, 1294-1303.	3.3	48
129	Efficient electrochemical production of glucaric acid and H ₂ via glucose electrolysis. Nature Communications, 2020, 11, 265.	12.8	280
130	Effect of citric acid on extracellular polymeric substances disruption and cell lysis in the waste activated sludge by pH regulation. Bioresource Technology, 2020, 302, 122859.	9.6	31
131	Developing a base editing system to expand the carbon source utilization spectra of <i>Shewanella oneidensis</i> for enhanced pollutant degradation. Biotechnology and Bioengineering, 2020, 117, 2389-2400.	3.3	29
132	Modified MIL-100(Fe) for enhanced photocatalytic degradation of tetracycline under visible-light irradiation. Journal of Colloid and Interface Science, 2020, 574, 364-376.	9.4	100
133	Simultaneous evaluation of bioactivity and settleability of activated sludge using fractal dimension as an intermediate variable. Water Research, 2020, 178, 115834.	11.3	25
134	Raman micro-spectroscopy monitoring of cytochrome c redox state in <i>Candida utilis</i> during cell death under low-temperature plasma-induced oxidative stress. Analyst, The, 2020, 145, 3922-3930.	3.5	14
135	Determination of Saccharides in Environments Using a Sulfuric Acid-Fluorescence Approach. Environmental Science & Technology, 2020, 54, 6632-6638.	10.0	4
136	Electrochemical treatment of phenol-containing wastewater by facet-tailored TiO ₂ : Efficiency, characteristics and mechanisms. Water Research, 2019, 165, 114980.	11.3	58
137	A Near-Infrared Photoactuator Based on Shape Memory Semicrystalline Polymers toward Light-Fueled Crane, Grasper, and Walker. Advanced Optical Materials, 2019, 7, 1900784.	7.3	34
138	The underlying mechanism of calcium peroxide pretreatment enhancing methane production from anaerobic digestion of waste activated sludge. Water Research, 2019, 164, 114934.	11.3	184
139	Diagnosis of the unexpected fluorescent contaminants in quantifying dissolved organic matter using excitation-emission matrix fluorescence spectroscopy. Water Research, 2019, 163, 114873.	11.3	19
140	Acid-stimulated bioassembly of high-performance quantum dots in <i>Escherichia coli</i> . Journal of Materials Chemistry A, 2019, 7, 18480-18487.	10.3	16
141	Microwave pretreatment of polyacrylamide flocculated waste activated sludge: Effect on anaerobic digestion and polyacrylamide degradation. Bioresource Technology, 2019, 290, 121776.	9.6	31
142	Recent advances in photo-activated sulfate radical-advanced oxidation process (SR-AOP) for refractory organic pollutants removal in water. Chemical Engineering Journal, 2019, 378, 122149.	12.7	401
143	Hierarchical H-MOR Zeolite Supported Vanadium Oxide for Dimethyl Ether Direct Oxidation. Catalysts, 2019, 9, 628.	3.5	6
144	Modification of forward osmosis membrane with naturally-available humic acid: Towards simultaneously improved filtration performance and antifouling properties. Environment International, 2019, 131, 105045.	10.0	9

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145	Silica Removal Using Magnetic Iron-Aluminum Hybrid Nanomaterials: Measurements, Adsorption Mechanisms, and Implications for Silica Scaling in Reverse Osmosis. <i>Environmental Science & Technology</i> , 2019, 53, 13302-13311.	10.0	22
146	Single-molecule and -particle probing crystal edge/corner as highly efficient photocatalytic sites on a single TiO ₂ particle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18827-18833.	7.1	54
147	Carbon-Based Catalyst Synthesized and Immobilized under Calcium Salt Assistance To Boost Singlet Oxygen Evolution for Pollutant Degradation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43180-43187.	8.0	34
148	Impacts of environmental factors on AHL-producing and AHL-quenching activities of aerobic granules. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9181-9189.	3.6	9
149	Evaluating the effect of biochar on mesophilic anaerobic digestion of waste activated sludge and microbial diversity. <i>Bioresource Technology</i> , 2019, 294, 122235.	9.6	48
150	Biogas production from anaerobic co-digestion of waste activated sludge: co-substrates and influencing parameters. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 771-793.	8.1	59
151	Effect of poly aluminum chloride on dark fermentative hydrogen accumulation from waste activated sludge. <i>Water Research</i> , 2019, 153, 217-228.	11.3	93
152	Co-pyrolysis of biomass and soapstock in a downdraft reactor using a novel ZSM-5/SiC composite catalyst. <i>Bioresource Technology</i> , 2019, 279, 202-208.	9.6	25
153	Enhanced methane production from waste activated sludge by combining calcium peroxide with ultrasonic: Performance, mechanism, and implication. <i>Bioresource Technology</i> , 2019, 279, 108-116.	9.6	52
154	Heterogeneous activation of peroxymonosulfate using Mn-Fe layered double hydroxide: Performance and mechanism for organic pollutant degradation. <i>Science of the Total Environment</i> , 2019, 663, 453-464.	8.0	151
155	Potential regulates metabolism and extracellular respiration of electroactive <i>Geobacter</i> biofilm. <i>Biotechnology and Bioengineering</i> , 2019, 116, 961-971.	3.3	17
156	One-way and two-way shape memory effects of a high-strain <i>cis</i> -1,4-polybutadiene-polyethylene copolymer based dynamic network <i>via</i> self-complementary quadruple hydrogen bonding. <i>Polymer Chemistry</i> , 2019, 10, 718-726.	3.9	37
157	Formation mechanism of organo-chromium (III) complexes from bioreduction of chromium (VI) by <i>Aeromonas hydrophila</i> . <i>Environment International</i> , 2019, 129, 86-94.	10.0	81
158	Nitrate addition improves hydrogen production from acidic fermentation of waste activated sludge. <i>Chemosphere</i> , 2019, 235, 814-824.	8.2	18
159	Optimizing operation of municipal wastewater treatment plants in China: The remaining barriers and future implications. <i>Environment International</i> , 2019, 129, 273-278.	10.0	114
160	Effect of clarithromycin on the production of volatile fatty acids from waste activated sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2019, 288, 121598.	9.6	54
161	Photochemical Protection of Reactive Sites on Defective TiO ₂ Surface for Electrochemical Water Treatment. <i>Environmental Science & Technology</i> , 2019, 53, 7641-7652.	10.0	26
162	Enhanced ciprofloxacin removal by sludge-derived biochar: Effect of humic acid. <i>Chemosphere</i> , 2019, 231, 495-501.	8.2	53

#	ARTICLE	IF	CITATIONS
163	Biogenic Quantum Dots for Sensitive, Label-Free Detection of Mercury Ions. <i>ACS Applied Bio Materials</i> , 2019, 2, 2661-2667.	4.6	16
164	Enhancing electricity generation of microbial fuel cell for wastewater treatment using nitrogen-doped carbon dots-supported carbon paper anode. <i>Journal of Cleaner Production</i> , 2019, 229, 412-419.	9.3	67
165	Characterizing Properties and Environmental Behaviors of Dissolved Organic Matter Using Two-Dimensional Correlation Spectroscopic Analysis. <i>Environmental Science & Technology</i> , 2019, 53, 4683-4694.	10.0	151
166	Emerging applications of biochar-based materials for energy storage and conversion. <i>Energy and Environmental Science</i> , 2019, 12, 1751-1779.	30.8	481
167	Mediation of functional gene and bacterial community profiles in the sediments of eutrophic Chaohu Lake by total nitrogen and season. <i>Environmental Pollution</i> , 2019, 250, 233-240.	7.5	52
168	Biological perchlorate reduction: which electron donor we can choose?. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16906-16922.	5.3	18
169	Enhanced hydrogen accumulation from waste activated sludge by combining ultrasonic and free nitrous acid pretreatment: Performance, mechanism, and implication. <i>Bioresource Technology</i> , 2019, 285, 121363.	9.6	28
170	Uptake, accumulation and metabolization of 1-butyl-3-methylimidazolium bromide by ryegrass from water: Prospects for phytoremediation. <i>Water Research</i> , 2019, 156, 82-91.	11.3	29
171	Sulfate radical-mediated degradation of phenol and methylene blue by manganese oxide octahedral molecular sieve (OMS-2) activation of peroxymonosulfate. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12963-12974.	5.3	8
172	A critical review of volatile fatty acids produced from waste activated sludge: enhanced strategies and its applications. <i>Environmental Science and Pollution Research</i> , 2019, 26, 13984-13998.	5.3	89
173	Heat pretreatment assists free ammonia to enhance hydrogen production from waste activated sludge. <i>Bioresource Technology</i> , 2019, 283, 316-325.	9.6	65
174	Endoplasmic Reticulum Stress Causes Liver Cancer Cells to Release Exosomal miR-23a-3p and Up-regulate Programmed Death Ligand 1 Expression in Macrophages. <i>Hepatology</i> , 2019, 70, 241-258.	7.3	304
175	Degradation of rhodamine B in a novel bio-photoelectric reductive system composed of <i>Shewanella oneidensis</i> MR-1 and Ag ₃ PO ₄ . <i>Environment International</i> , 2019, 126, 560-567.	10.0	51
176	Photoredox Mediated Acceptorless Dehydrogenative Coupling of Saturated N-Heterocycles. <i>ACS Catalysis</i> , 2019, 9, 3589-3594.	11.2	42
177	Substrate Metabolism-Driven Assembly of High-Quality CdS _x Se _{1-x} Quantum Dots in <i>Escherichia coli</i> : Molecular Mechanisms and Bioimaging Application. <i>ACS Nano</i> , 2019, 13, 5841-5851.	14.6	45
178	Metal-Organic Framework Supported Palladium Nanoparticles: Applications and Mechanisms. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800557.	2.3	22
179	Indirect electrochemical reduction of nitrate in water using zero-valent titanium anode: Factors, kinetics, and mechanism. <i>Water Research</i> , 2019, 157, 191-200.	11.3	95
180	Free nitrous acid-based nitrifying sludge treatment in a two-sludge system obtains high polyhydroxyalkanoates accumulation and satisfied biological nutrients removal. <i>Bioresource Technology</i> , 2019, 284, 16-24.	9.6	20

#	ARTICLE	IF	CITATIONS
181	Validation of effective roles of non-electroactive microbes on recalcitrant contaminant degradation in bioelectrochemical systems. <i>Environmental Pollution</i> , 2019, 249, 794-800.	7.5	11
182	Enhanced short-chain fatty acids production from waste activated sludge by sophorolipid: Performance, mechanism, and implication. <i>Bioresource Technology</i> , 2019, 284, 456-465.	9.6	91
183	Photo-assisted electrochemical detection of bisphenol A in water samples by renewable {001}-exposed TiO ₂ single crystals. <i>Water Research</i> , 2019, 157, 30-39.	11.3	22
184	Thermal-alkaline pretreatment of polyacrylamide flocculated waste activated sludge: Process optimization and effects on anaerobic digestion and polyacrylamide degradation. <i>Bioresource Technology</i> , 2019, 281, 158-167.	9.6	68
185	Difference of respiration-based approaches for quantifying heterotrophic biomass in activated sludge of biological wastewater treatment plants. <i>Science of the Total Environment</i> , 2019, 664, 45-52.	8.0	17
186	Effect of triclocarban on hydrogen production from dark fermentation of waste activated sludge. <i>Bioresource Technology</i> , 2019, 279, 307-316.	9.6	60
187	Selenium Stimulates Cadmium Detoxification in <i>Caenorhabditis elegans</i> through Thiols-Mediated Nanoparticles Formation and Secretion. <i>Environmental Science & Technology</i> , 2019, 53, 2344-2352.	10.0	19
188	Unveiling the mechanisms of how cationic polyacrylamide affects short-chain fatty acids accumulation during long-term anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2019, 155, 142-151.	11.3	159
189	Solar-energy-facilitated CdS _x Se _{1-x} quantum dot bio-assembly in <i>Escherichia coli</i> and <i>Tetrahymena pyriformis</i> . <i>Journal of Materials Chemistry A</i> , 2019, 7, 6205-6212.	10.3	24
190	Sensing and Approaching Toxic Arsenate by <i>Shewanella putrefaciens</i> CN-32. <i>Environmental Science & Technology</i> , 2019, 53, 14604-14611.	10.0	12
191	Synergetic transformations of multiple pollutants driven by BiVO ₄ -catalyzed sulfite under visible light irradiation: Reaction kinetics and intrinsic mechanism. <i>Chemical Engineering Journal</i> , 2019, 355, 624-636.	12.7	77
192	Free ammonia aids ultrasound pretreatment to enhance short-chain fatty acids production from waste activated sludge. <i>Bioresource Technology</i> , 2019, 275, 163-171.	9.6	88
193	Probing operational conditions of mixing and oxygen deficiency using HSV color space. <i>Journal of Environmental Management</i> , 2019, 232, 985-992.	7.8	11
194	Tuning of activated sludge in winter based on respirogram profiles under standard and site temperatures. <i>Journal of Environmental Sciences</i> , 2019, 79, 330-338.	6.1	9
195	Efficiency of sequential UV/H ₂ O ₂ and biofilm process for the treatment of secondary effluent. <i>Environmental Science and Pollution Research</i> , 2019, 26, 577-585.	5.3	7
196	Synthesis of CdS ₁ -XSe _x quantum dots in a protozoa <i>Tetrahymena pyriformis</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 973-980.	3.6	12
197	Intracellular polymers production in anaerobic sludge under salt shock and batch fermentation conditions: Experimental and modelling study. <i>Biochemical Engineering Journal</i> , 2019, 142, 68-73.	3.6	8
198	Enhanced Short-Chain Fatty Acids from Waste Activated Sludge by Heat-CaO ₂ Advanced Thermal Hydrolysis Pretreatment: Parameter Optimization, Mechanisms, and Implications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3544-3555.	6.7	71

#	ARTICLE	IF	CITATIONS
199	Mechanisms of peroxymonosulfate pretreatment enhancing production of short-chain fatty acids from waste activated sludge. <i>Water Research</i> , 2019, 148, 239-249.	11.3	188
200	Pretreatment of landfill leachate in near-neutral pH condition by persulfate activated Fe-C micro-electrolysis system. <i>Chemosphere</i> , 2019, 216, 749-756.	8.2	47
201	Hydrated lanthanum oxide-modified diatomite as highly efficient adsorbent for low-concentration phosphate removal from secondary effluents. <i>Journal of Environmental Management</i> , 2019, 231, 370-379.	7.8	140
202	Regulation of coastal methane sinks by a structured gradient of microbial methane oxidizers. <i>Environmental Pollution</i> , 2019, 244, 228-237.	7.5	53
203	Enhanced volatile fatty acids production from waste activated sludge anaerobic fermentation by adding tofu residue. <i>Bioresource Technology</i> , 2019, 274, 430-438.	9.6	55
204	Extracellular polymeric substances of biofilms: Suffering from an identity crisis. <i>Water Research</i> , 2019, 151, 1-7.	11.3	228
205	Facile synthesis of In ₂ S ₃ /UiO-66 composite with enhanced adsorption performance and photocatalytic activity for the removal of tetracycline under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 444-457.	9.4	120
206	Differences in the colloid properties of sodium alginate and polysaccharides in extracellular polymeric substances with regard to membrane fouling. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 318-324.	9.4	32
207	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 273-284.	9.4	552
208	Electrochemical Sensing of Bisphenol A on Facet-Tailored TiO ₂ Single Crystals Engineered by Inorganic-Framework Molecular Imprinting Sites. <i>Analytical Chemistry</i> , 2018, 90, 3165-3173.	6.5	63
209	Sludge biochar-based catalysts for improved pollutant degradation by activating peroxymonosulfate. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8978-8985.	10.3	285
210	Enhanced short-chain fatty acids production from waste activated sludge by combining calcium peroxide with free ammonia pretreatment. <i>Bioresource Technology</i> , 2018, 262, 114-123.	9.6	85
211	Remediation of Petroleum-Contaminated Soil and Simultaneous Recovery of Oil by Fast Pyrolysis. <i>Environmental Science & Technology</i> , 2018, 52, 5330-5338.	10.0	87
212	Biogenic Synthesis of Pd-Based Nanoparticles with Enhanced Catalytic Activity. <i>ACS Applied Nano Materials</i> , 2018, 1, 1467-1475.	5.0	25
213	Ammonia sensing by closely packed WO ₃ microspheres with oxygen vacancies. <i>Chemosphere</i> , 2018, 204, 202-209.	8.2	42
214	Epitaxial facet junctions on TiO ₂ single crystals for efficient photocatalytic water splitting. <i>Energy and Environmental Science</i> , 2018, 11, 1444-1448.	30.8	102
215	Dendritic core-shell silica spheres with large pore size for separation of biomolecules. <i>Journal of Chromatography A</i> , 2018, 1540, 31-37.	3.7	29
216	Free ammonia enhances dark fermentative hydrogen production from waste activated sludge. <i>Water Research</i> , 2018, 133, 272-281.	11.3	163

#	ARTICLE	IF	CITATIONS
217	The feasibility of enhanced biological phosphorus removal in the novel oxic/extended idle process using fermentation liquid from sludge fermentation. RSC Advances, 2018, 8, 3321-3327.	3.6	6
218	Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. Water Research, 2018, 130, 281-290.	11.3	156
219	Effect of acetate to glycerol ratio on enhanced biological phosphorus removal. Chemosphere, 2018, 196, 78-86.	8.2	47
220	A simple method for assaying anaerobic biodegradation of dyes. Bioresource Technology, 2018, 251, 204-209.	9.6	41
221	Metal-Organic Framework Templated Pd@PdO-Co ₃ O ₄ Nanocubes as an Efficient Bifunctional Oxygen Electrocatalyst. Advanced Energy Materials, 2018, 8, 1702734.	19.5	95
222	Effect of diclofenac on the production of volatile fatty acids from anaerobic fermentation of waste activated sludge. Bioresource Technology, 2018, 254, 7-15.	9.6	80
223			

#	ARTICLE	IF	CITATIONS
235	Respiration adaptation of activated sludge under dissolved oxygen and hypochlorite stressed conditions. <i>Bioresource Technology</i> , 2018, 248, 171-178.	9.6	15
236	Chemical imaging of fresh vascular smooth muscle cell response by epi-detected stimulated Raman scattering. <i>Journal of Biophotonics</i> , 2018, 11, e201700005.	2.3	5
237	Novel stepwise pH control strategy to improve short chain fatty acid production from sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2018, 249, 431-438.	9.6	67
238	Induced structural changes of humic acid by exposure of polystyrene microplastics: A spectroscopic insight. <i>Environmental Pollution</i> , 2018, 233, 1-7.	7.5	211
239	Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. <i>Bioresource Technology</i> , 2018, 247, 537-544.	9.6	297
240	Enhanced photocatalytic degradation of bisphenol A by Co-doped BiOCl nanosheets under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 320-328.	20.2	287
241	Ultrahigh electrocatalytic oxygen evolution by iron-nickel sulfide nanosheets/reduced graphene oxide nanohybrids with an optimized autoxidation process. <i>Nano Energy</i> , 2018, 43, 300-309.	16.0	88
242	Effective flocculation of <i>Microcystis aeruginosa</i> with simultaneous nutrient precipitation from hydrolyzed human urine. <i>Chemosphere</i> , 2018, 193, 472-478.	8.2	18
243	Denitrifying microbial community with the ability to bromate reduction in a rotating biofilm-electrode reactor. <i>Journal of Hazardous Materials</i> , 2018, 342, 150-157.	12.4	36
244	Ultrasensitive Fluorescence Detection of Peroxymonosulfate Based on a Sulfate Radical-Mediated Aromatic Hydroxylation. <i>Analytical Chemistry</i> , 2018, 90, 14439-14446.	6.5	50
245	Ultrafine and Well-Dispersed Nickel Nanoparticles with Hierarchical Structure for Catalytically Breaking a Boron-Hydrogen Bond. <i>ACS Applied Nano Materials</i> , 2018, 1, 6800-6807.	5.0	8
246	Framework of Cytochrome/Vitamin B ₂ Linker/Graphene for Robust Microbial Electricity Generation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35090-35098.	8.0	22
247	Clarifying the Role of Free Ammonia in the Production of Short-Chain Fatty Acids from Waste Activated Sludge Anaerobic Fermentation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14104-14113.	6.7	73
248	Fabrication of Metallic Nickel-Cobalt Phosphide Hollow Microspheres for High-Rate Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25174-25182.	3.1	69
249	Abundance and diversity of iron reducing bacteria communities in the sediments of a heavily polluted freshwater lake. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10791-10801.	3.6	29
250	Sulfate radical induced degradation of Methyl Violet azo dye with CuFe layered double hydroxide as heterogeneous photoactivator of persulfate. <i>Journal of Environmental Management</i> , 2018, 227, 406-414.	7.8	77
251	Interfacial Electron Transfer from the Outer Membrane Cytochrome OmcA to Graphene Oxide in a Microbial Fuel Cell: Spectral and Electrochemical Insights. <i>ACS Energy Letters</i> , 2018, 3, 2449-2456.	17.4	22
252	Free ammonia-based pretreatment enhances phosphorus release and recovery from waste activated sludge. <i>Chemosphere</i> , 2018, 213, 276-284.	8.2	70

#	ARTICLE	IF	CITATIONS
253	Free Ammonia-Based Pretreatment Promotes Short-Chain Fatty Acid Production from Waste Activated Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9120-9129.	6.7	79
254	Feasibility of enhancing short-chain fatty acids production from sludge anaerobic fermentation at free nitrous acid pretreatment: Role and significance of Tea saponin. <i>Bioresource Technology</i> , 2018, 254, 194-202.	9.6	79
255	How does free ammonia-based sludge pretreatment improve methane production from anaerobic digestion of waste activated sludge. <i>Chemosphere</i> , 2018, 206, 491-501.	8.2	50
256	Estimates of abundance and diversity of <i>Shewanella</i> genus in natural and engineered aqueous environments with newly designed primers. <i>Science of the Total Environment</i> , 2018, 637-638, 926-933.	8.0	13
257	Synergistic effect of free nitrite acid integrated with biosurfactant alkyl polyglucose on sludge anaerobic fermentation. <i>Waste Management</i> , 2018, 78, 310-317.	7.4	17
258	Continuous degradation of ciprofloxacin in a manganese redox cycling system driven by <i>Pseudomonas putida</i> MnB-1. <i>Chemosphere</i> , 2018, 211, 345-351.	8.2	24
259	Pseudocapactive Ni-Co-Fe Hydroxides/N-Doped Carbon Nanoplates-Based Electrocatalyst for Efficient Oxygen Evolution. <i>Small</i> , 2018, 14, e1801878.	10.0	55
260	Algal biomass derived biochar anode for efficient extracellular electron uptake from <i>Shewanella oneidensis</i> MR-1. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	6.0	17
261	Enhanced dewaterability of waste activated sludge with Fe(II)-activated hypochlorite treatment. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27628-27638.	5.3	32
262	Solar-Driven Synchronous Photoelectrochemical Sulfur Recovery and Pollutant Degradation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9591-9595.	6.7	5
263	Improved methane production from waste activated sludge by combining free ammonia with heat pretreatment: Performance, mechanisms and applications. <i>Bioresource Technology</i> , 2018, 268, 230-236.	9.6	77
264	Sulfamethazine (SMZ) affects fermentative short-chain fatty acids production from waste activated sludge. <i>Science of the Total Environment</i> , 2018, 639, 1471-1479.	8.0	51
265	Feasibility of enhancing short-chain fatty acids production from waste activated sludge after free ammonia pretreatment: Role and significance of rhamnolipid. <i>Bioresource Technology</i> , 2018, 267, 141-148.	9.6	70
266	Electrochemical Oxidation of 5-Hydroxymethylfurfural with NiFe Layered Double Hydroxide (LDH) Nanosheet Catalysts. <i>ACS Catalysis</i> , 2018, 8, 5533-5541.	11.2	340
267	Highly-efficient degradation of amiloride by sulfate radicals-based photocatalytic processes: Reactive kinetics, degradation products and mechanism. <i>Chemical Engineering Journal</i> , 2018, 354, 983-994.	12.7	55
268	Equilibrium, kinetics and thermodynamics of Cu(II) biosorption on Chinese chestnut shell pretreated with steam explosion. <i>Water Science and Technology</i> , 2018, 78, 868-877.	2.5	2
269	Free nitrous acid promotes hydrogen production from dark fermentation of waste activated sludge. <i>Water Research</i> , 2018, 145, 113-124.	11.3	137
270	Interaction between humic acid and protein in membrane fouling process: A spectroscopic insight. <i>Water Research</i> , 2018, 145, 146-152.	11.3	74

#	ARTICLE	IF	CITATIONS
271	Perchlorate bioreduction linked to methane oxidation in a membrane biofilm reactor: Performance and microbial community structure. <i>Journal of Hazardous Materials</i> , 2018, 357, 244-252.	12.4	36
272	Direct generation of hydroxyl radicals over bismuth oxybromide nanobelts with tuned band structure for photocatalytic pollutant degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 464-472.	20.2	57
273	Porous ZnO-Coated Co ₃ O ₄ Nanorod as a High-Energy-Density Supercapacitor Material. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23163-23173.	8.0	177
274	The fate of cyanuric acid in biological wastewater treatment system and its impact on biological nutrient removal. <i>Journal of Environmental Management</i> , 2018, 206, 901-909.	7.8	24
275	Quantitative determination of AI-2 quorum-sensing signal of bacteria using high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Environmental Sciences</i> , 2017, 52, 204-209.	6.1	30
276	Bi ₂ 4O ₃ 1Br ₁₀ nanosheets with controllable thickness for visible-light-driven catalytic degradation of tetracycline hydrochloride. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 615-623.	20.2	169
277	Removal of antibiotic resistance genes from wastewater treatment plant effluent by coagulation. <i>Water Research</i> , 2017, 111, 204-212.	11.3	219
278	Temperature-dependent conformational variation of chromophoric dissolved organic matter and its consequent interaction with phenanthrene. <i>Environmental Pollution</i> , 2017, 222, 23-31.	7.5	39
279	Probing the redox process of p-benzoquinone in dimethyl sulphoxide by using fluorescence spectroelectrochemistry. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	11
280	Spatial distribution and removal performance of pharmaceuticals in municipal wastewater treatment plants in China. <i>Science of the Total Environment</i> , 2017, 586, 1162-1169.	8.0	93
281	Is denitrifying anaerobic methane oxidation-centered technologies a solution for the sustainable operation of wastewater treatment Plants?. <i>Bioresource Technology</i> , 2017, 234, 456-465.	9.6	117
282	Visible-Light-Promoted Asymmetric Cross-Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3694-3698.	13.8	208
283	Visible-Light-Promoted Asymmetric Cross-Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 3748-3752.	2.0	47
284	Wastewater Opportunities for Denitrifying Anaerobic Methane Oxidation. <i>Trends in Biotechnology</i> , 2017, 35, 799-802.	9.3	85
285	Fluorescence Approach for the Determination of Fluorescent Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2017, 89, 4264-4271.	6.5	45
286	Improved PVDF membrane performance by doping extracellular polymeric substances of activated sludge. <i>Water Research</i> , 2017, 113, 89-96.	11.3	18
287	Catalytic Asymmetric Electrochemical Oxidative Coupling of Tertiary Amines with Simple Ketones. <i>Organic Letters</i> , 2017, 19, 2122-2125.	4.6	153
288	Ni-Pd core-shell nanoparticles with Pt-like oxygen reduction electrocatalytic performance in both acidic and alkaline electrolytes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9233-9240.	10.3	61

#	ARTICLE	IF	CITATIONS
289	Interaction between Dissolved Organic Matter and Long-Chain Ionic Liquids: A Microstructural and Spectroscopic Correlation Study. <i>Environmental Science & Technology</i> , 2017, 51, 4812-4820.	10.0	40
290	Approach of describing dynamic production of volatile fatty acids from sludge alkaline fermentation. <i>Bioresource Technology</i> , 2017, 238, 343-351.	9.6	73
291	Enhancing Extracellular Electron Transfer of <i>Shewanella oneidensis</i> MR-1 through Coupling Improved Flavin Synthesis and Metal-Reducing Conduit for Pollutant Degradation. <i>Environmental Science & Technology</i> , 2017, 51, 5082-5089.	10.0	141
292	A sustainable biogenic route to synthesize quantum dots with tunable fluorescence properties for live cell imaging. <i>Biochemical Engineering Journal</i> , 2017, 124, 130-137.	3.6	22
293	Selective co-production of acetate and methane from wastewater during mesophilic anaerobic fermentation under acidic conditions. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 720-725.	2.4	5
294	Roles of glutathione and L-cysteine in the biomimetic green synthesis of CdSe quantum dots. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	14
295	Potential impact of salinity on methane production from food waste anaerobic digestion. <i>Waste Management</i> , 2017, 67, 308-314.	7.4	123
296	A high-throughput dye-reducing photometric assay for evaluating microbial exoelectrogenic ability. <i>Bioresource Technology</i> , 2017, 241, 743-749.	9.6	23
297	Visible-light photocatalytic degradation of multiple antibiotics by AgI nanoparticle-sensitized Bi ₅ O ₇ I microspheres: Enhanced interfacial charge transfer based on Z-scheme heterojunctions. <i>Journal of Catalysis</i> , 2017, 352, 160-170.	6.2	92
298	Advanced nutrient removal from surface water by a consortium of attached microalgae and bacteria: A review. <i>Bioresource Technology</i> , 2017, 241, 1127-1137.	9.6	234
299	Fates of Chemical Elements in Biomass during Its Pyrolysis. <i>Chemical Reviews</i> , 2017, 117, 6367-6398.	47.7	399
300	Graphene oxide and carbon nitride nanosheets co-modified silver chromate nanoparticles with enhanced visible-light photoactivity and anti-photocorrosion properties towards multiple refractory pollutants degradation. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 493-505.	20.2	158
301	Electrochemical activities of <i>Geobacter</i> biofilms growing on electrodes with various potentials. <i>Electrochimica Acta</i> , 2017, 225, 452-457.	5.2	32
302	Novel ternary heterojunction photocatalyst of Ag nanoparticles and g-C ₃ N ₄ nanosheets co-modified BiVO ₄ for wider spectrum visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 133-147.	20.2	343
303	Effects of different ratios of glucose to acetate on phosphorus removal and microbial community of enhanced biological phosphorus removal (EBPR) system. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4494-4505.	5.3	18
304	One-step synthesis of nonstoichiometric TiO ₂ with designed (101) facets for enhanced photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 165-172.	20.2	20
305	Optimization of microwave pretreatment of lignocellulosic waste for enhancing methane production: Hyacinth as an example. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	31
306	Impact of zero-valent iron nanoparticles on the activity of anaerobic granular sludge: From macroscopic to microcosmic investigation. <i>Water Research</i> , 2017, 127, 32-40.	11.3	110

#	ARTICLE	IF	CITATIONS
307	Degradation of Bisphenol A by Peroxymonosulfate Catalytically Activated with $Mn^{1.8+}Fe^{1.2+}O_4$ Nanospheres: Synergism between Mn and Fe. Environmental Science & Technology, 2017, 51, 12611-12618.	10.0	664
308	Conformations and molecular interactions of poly-L-glutamic acid as a soluble microbial product in aqueous solutions. Scientific Reports, 2017, 7, 12787.	3.3	35
309	Triclocarban enhances short-chain fatty acids production from anaerobic fermentation of waste activated sludge. Water Research, 2017, 127, 150-161.	11.3	150
310	A force-based mechanistic model for describing activated sludge settling process. Water Research, 2017, 127, 118-126.	11.3	19
311	Changing profiles of bound water content and distribution in the activated sludge treatment by NaCl addition and pH modification. Chemosphere, 2017, 186, 702-708.	8.2	74
312	Directed Biofabrication of Nanoparticles through Regulating Extracellular Electron Transfer. Journal of the American Chemical Society, 2017, 139, 12149-12152.	13.7	64
313	Augmentation of acyl homoserine lactones-producing and -quenching bacterium into activated sludge for its granulation. Water Research, 2017, 125, 309-317.	11.3	44
314	Photochemical Anti-Fouling Approach for Electrochemical Pollutant Degradation on Facet-Tailored TiO_2 Single Crystals. Environmental Science & Technology, 2017, 51, 11326-11335.	10.0	30
315	Response of extracellular polymeric substances to thermal treatment in sludge dewatering process. Environmental Pollution, 2017, 231, 1388-1392.	7.5	45
316	Aged refuse enhances anaerobic digestion of waste activated sludge. Water Research, 2017, 123, 724-733.	11.3	136
317	Evaluating the potential impact of hydrochar on the production of short-chain fatty acid from sludge anaerobic digestion. Bioresource Technology, 2017, 246, 234-241.	9.6	52
318	Understanding and mitigating the toxicity of cadmium to the anaerobic fermentation of waste activated sludge. Water Research, 2017, 124, 269-279.	11.3	157
319	Fluorescence dynamics of the biosynthesized CdSe quantum dots in Candida utilis. Scientific Reports, 2017, 7, 2048.	3.3	11
320	Enhanced biofilm penetration for microbial control by polyvalent phages conjugated with magnetic colloidal nanoparticle clusters (CNCs). Environmental Science: Nano, 2017, 4, 1817-1826.	4.3	43
321	Evolution of Membrane Fouling Revealed by Label-Free Vibrational Spectroscopic Imaging. Environmental Science & Technology, 2017, 51, 9580-9587.	10.0	36
322	A nanocrystalline metal organic framework confined in the fibrous pores of core-shell silica particles for improved HPLC separation. Mikrochimica Acta, 2017, 184, 4099-4106.	5.0	25
323	Free nitrous acid-based nitrifying sludge treatment in a two-sludge system enhances nutrient removal from low-carbon wastewater. Bioresource Technology, 2017, 244, 920-928.	9.6	83
324	Probing electron transfer between hemin and riboflavin using a combination of analytical approaches and theoretical calculations. Physical Chemistry Chemical Physics, 2017, 19, 32580-32588.	2.8	6

#	ARTICLE	IF	CITATIONS
325	Quantification of Humic Substances in Natural Water Using Nitrogen-Doped Carbon Dots. <i>Environmental Science & Technology</i> , 2017, 51, 14092-14099.	10.0	35
326	Probing the biotransformation of hematite nanoparticles and magnetite formation mediated by <i>Shewanella oneidensis</i> MR-1 at the molecular scale. <i>Environmental Science: Nano</i> , 2017, 4, 2395-2404.	4.3	22
327	Efficiently reducing the plant growth inhibition of CuO NPs using rice husk-derived biochar: experimental demonstration and mechanism investigation. <i>Environmental Science: Nano</i> , 2017, 4, 1722-1732.	4.3	14
328	Exclusive Extracellular Bioreduction of Methyl Orange by Azo Reductase-Free <i>Geobacter sulfurreducens</i> . <i>Environmental Science & Technology</i> , 2017, 51, 8616-8623.	10.0	79
329	Spectral insights into the transformation and distribution of CdSe quantum dots in microorganisms during food-chain transport. <i>Scientific Reports</i> , 2017, 7, 4370.	3.3	9
330	A chemometric analysis on the fluorescent dissolved organic matter in a full-scale sequencing batch reactor for municipal wastewater treatment. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	6.0	10
331	Membrane fouling characteristics and mitigation in a coagulation-assisted microfiltration process for municipal wastewater pretreatment. <i>Water Research</i> , 2017, 123, 216-223.	11.3	70
332	Rapid Release of Arsenite from Roxarsone Bioreduction by Exoelectrogenic Bacteria. <i>Environmental Science and Technology Letters</i> , 2017, 4, 350-355.	8.7	58
333	Photochemical reactions between mercury (Hg) and dissolved organic matter decrease Hg bioavailability and methylation. <i>Environmental Pollution</i> , 2017, 220, 1359-1365.	7.5	53
334	Denitrification in an integrated bioelectro-photocatalytic system. <i>Water Research</i> , 2017, 109, 88-93.	11.3	42
335	The behavior of melamine in biological wastewater treatment system. <i>Journal of Hazardous Materials</i> , 2017, 322, 445-453.	12.4	41
336	Anaerobic reduction of 2,6-dinitrotoluene by <i>Shewanella oneidensis</i> MR-1: Roles of Mtr respiratory pathway and NfnB. <i>Biotechnology and Bioengineering</i> , 2017, 114, 761-768.	3.3	35
337	Photocatalytic degradation of bisphenol A by oxygen-rich and highly visible-light responsive Bi ₂ O ₃ /TiO ₂ nanobelts. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 659-665.	20.2	134
338	Degradation of landfill leachate compounds by persulfate for groundwater remediation. <i>Chemical Engineering Journal</i> , 2017, 307, 399-407.	12.7	67
339	Effective adsorption/electrocatalytic degradation of perchlorate using Pd/Pt supported on N-doped activated carbon fiber cathode. <i>Journal of Hazardous Materials</i> , 2017, 323, 602-610.	12.4	50
340	Hierarchical assembly of graphene-bridged Ag ₃ PO ₄ /Ag/BiVO ₄ (040) Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced visible-light photoactivity towards tetracycline degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 330-342.	20.2	752
341	Effect of nickel on the flocculability, settleability, and dewaterability of activated sludge. <i>Bioresource Technology</i> , 2017, 224, 188-196.	9.6	55
342	Exosomes from Melatonin Treated Hepatocellularcarcinoma Cells Alter the Immunosuppression Status through STAT3 Pathway in Macrophages. <i>International Journal of Biological Sciences</i> , 2017, 13, 723-734.	6.4	90

#	ARTICLE	IF	CITATIONS
343	Probing Membrane Fouling via Infrared Attenuated Total Reflection Mapping Coupled with Multivariate Curve Resolution. <i>ChemPhysChem</i> , 2016, 17, 358-363.	2.1	18
344	Redox properties of extracellular polymeric substances (EPS) from electroactive bacteria. <i>Scientific Reports</i> , 2016, 6, 39098.	3.3	81
345	Harvest and utilization of chemical energy in wastes by microbial fuel cells. <i>Chemical Society Reviews</i> , 2016, 45, 2847-2870.	38.1	186
346	Rapid Detection and Enumeration of Exoelectrogenic Bacteria in Lake Sediments and a Wastewater Treatment Plant Using a Coupled WO ₃ Nanoclusters and Most Probable Number Method. <i>Environmental Science and Technology Letters</i> , 2016, 3, 133-137.	8.7	22
347	Removal of halogenated emerging contaminants from water by nitrogen-doped graphene decorated with palladium nanoparticles: Experimental investigation and theoretical analysis. <i>Water Research</i> , 2016, 98, 235-241.	11.3	26
348	Layer-controlled growth of MoS ₂ on self-assembled flower-like Bi ₂ S ₃ for enhanced photocatalysis under visible light irradiation. <i>NPG Asia Materials</i> , 2016, 8, e263-e263.	7.9	72
349	Extracellular biosynthesis of copper sulfide nanoparticles by <i>Shewanella oneidensis</i> MR-1 as a photothermal agent. <i>Enzyme and Microbial Technology</i> , 2016, 95, 230-235.	3.2	51
350	Efficient Electrochemical Reduction of Nitrobenzene by Defect-Engineered TiO ₂ Single Crystals. <i>Environmental Science & Technology</i> , 2016, 50, 5234-5242.	10.0	109
351	Quantitative evaluation of A2O and reversed A2O processes for biological municipal wastewater treatment using a projection pursuit method. <i>Separation and Purification Technology</i> , 2016, 166, 164-170.	7.9	28
352	Photocatalytic degradation of atrazine by boron-doped TiO ₂ with a tunable rutile/anatase ratio. <i>Applied Catalysis B: Environmental</i> , 2016, 195, 69-76.	20.2	142
353	A novel adsorbent TEMPO-mediated oxidized cellulose nanofibrils modified with PEI: Preparation, characterization, and application for Cu(II) removal. <i>Journal of Hazardous Materials</i> , 2016, 316, 11-18.	12.4	241
354	Competitive sorption of heavy metals by water hyacinth roots. <i>Environmental Pollution</i> , 2016, 219, 837-845.	7.5	57
355	Improved biological phosphorus removal induced by an oxic/extended-idle process using glycerol and acetate at equal fractions. <i>RSC Advances</i> , 2016, 6, 86165-86173.	3.6	12
356	Fourier transform infrared spectroscopy on external perturbations inducing secondary structure changes of hemoglobin. <i>Analyst</i> , 2016, 141, 6061-6067.	3.5	20
357	In vivo synthesis of nano-selenium by <i>Tetrahymena thermophila</i> SB210. <i>Enzyme and Microbial Technology</i> , 2016, 95, 185-191.	3.2	44
358	Impairment of Biofilm Formation by TiO ₂ Photocatalysis through Quorum Quenching. <i>Environmental Science & Technology</i> , 2016, 50, 11895-11902.	10.0	53
359	Light-induced reduction of silver ions to silver nanoparticles in aquatic environments by microbial extracellular polymeric substances (EPS). <i>Water Research</i> , 2016, 106, 242-248.	11.3	96
360	Hormetic effect and mechanism of imidazolium-based ionic liquids on the nematode <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , 2016, 157, 65-70.	8.2	21

#	ARTICLE	IF	CITATIONS
361	A Dissolution–Regeneration Route to Synthesize Blue Tungsten Oxide Flowers and their Applications in Photocatalysis and Gas Sensing. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500417.	3.7	36
362	Role of NOM molecular size on iodo-trihalomethane formation during chlorination and chloramination. <i>Water Research</i> , 2016, 102, 533-541.	11.3	29
363	Ternary FeNiS ₂ ultrathin nanosheets as an electrocatalyst for both oxygen evolution and reduction reactions. <i>Nano Energy</i> , 2016, 27, 526-534.	16.0	166
364	Extracellular electron transfer mechanisms between microorganisms and minerals. <i>Nature Reviews Microbiology</i> , 2016, 14, 651-662.	28.6	1,224
365	A gold microarray electrode on a poly(methylmethacrylate) substrate to improve the performance of microbial fuel cells by modifying biofilm formation. <i>RSC Advances</i> , 2016, 6, 114937-114943.	3.6	5
366	Advanced landfill leachate treatment using iron-carbon microelectrolysis- Fenton process: Process optimization and column experiments. <i>Journal of Hazardous Materials</i> , 2016, 318, 460-467.	12.4	83
367	Revealing the Underlying Mechanisms of How Sodium Chloride Affects Short-Chain Fatty Acid Production from the Cofermentation of Waste Activated Sludge and Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4675-4684.	6.7	92
368	Enhanced dewatering of excess activated sludge through decomposing its extracellular polymeric substances by a Fe@Fe ₂ O ₃ -based composite conditioner. <i>Bioresource Technology</i> , 2016, 218, 526-532.	9.6	47
369	Combined Effect of Free Nitrous Acid Pretreatment and Sodium Dodecylbenzene Sulfonate on Short-Chain Fatty Acid Production from Waste Activated Sludge. <i>Scientific Reports</i> , 2016, 6, 21622.	3.3	31
370	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO ₄ Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32887-32900.	8.0	407
371	Process and kinetics of azo dye decolourization in bioelectrochemical systems: effect of several key factors. <i>Scientific Reports</i> , 2016, 6, 27243.	3.3	20
372	Facilitated biological reduction of nitroaromatic compounds by reduced graphene oxide and the role of its surface characteristics. <i>Scientific Reports</i> , 2016, 6, 30082.	3.3	34
373	Fabrication of BiOBr _{1-x} photocatalysts with tunable visible light catalytic activity by modulating band structures. <i>Scientific Reports</i> , 2016, 6, 22800.	3.3	64
374	Use of Nutrient Rich Hydrophytes to Create N,P-Dually Doped Porous Carbon with Robust Energy Storage Performance. <i>Environmental Science & Technology</i> , 2016, 50, 12421-12428.	10.0	52
375	Self-induced synthesis of phase-junction TiO ₂ with a tailored rutile to anatase ratio below phase transition temperature. <i>Scientific Reports</i> , 2016, 6, 20491.	3.3	97
376	An interneuron progenitor maintains neurogenic potential in vivo and differentiates into GABAergic interneurons after transplantation in the postnatal rat brain. <i>Scientific Reports</i> , 2016, 6, 19003.	3.3	4
377	Hydrophilic swellable metal–organic framework encapsulated Pd nanoparticles as an efficient catalyst for Cr(VI) reduction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11680-11687.	10.3	86
378	Self-assembly Z-scheme heterostructured photocatalyst of Ag ₂ O@Ag-modified bismuth vanadate for efficient photocatalytic degradation of single and dual organic pollutants under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 60291-60307.	3.6	39

#	ARTICLE	IF	CITATIONS
379	Precipitation of organic arsenic compounds and their degradation products during struvite formation. <i>Journal of Hazardous Materials</i> , 2016, 317, 90-96.	12.4	17
380	Photo-reduction of bromate in drinking water by metallic Ag and reduced graphene oxide (RGO) jointly modified BiVO ₄ under visible light irradiation. <i>Water Research</i> , 2016, 101, 555-563.	11.3	170
381	One-pot high yield synthesis of Ag nanoparticle-embedded biochar hybrid materials from waste biomass for catalytic Cr(VI) reduction. <i>Environmental Science: Nano</i> , 2016, 3, 745-753.	4.3	58
382	Mechanisms behind the accelerated extracellular electron transfer in <i>Geobacter sulfurreducens</i> DL-1 by modifying gold electrode with self-assembled monolayers. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 531-538.	6.0	12
383	Degradation of refractory pollutants under solar light irradiation by a robust and self-protected ZnO/CdS/TiO ₂ hybrid photocatalyst. <i>Water Research</i> , 2016, 92, 78-86.	11.3	86
384	High-sensitivity infrared attenuated total reflectance sensors for in situ multicomponent detection of volatile organic compounds in water. <i>Nature Protocols</i> , 2016, 11, 377-386.	12.0	85
385	Mathematical modeling of autotrophic denitrification (AD) process with sulphide as electron donor. <i>Water Research</i> , 2016, 91, 225-234.	11.3	57
386	Quantification and kinetic characterization of soluble microbial products from municipal wastewater treatment plants. <i>Water Research</i> , 2016, 88, 703-710.	11.3	60
387	Enhancement of azo dye decolourization in a MFC-MEC coupled system. <i>Bioresource Technology</i> , 2016, 202, 93-100.	9.6	60
388	Granular activated carbon supported iron as a heterogeneous persulfate catalyst for the pretreatment of mature landfill leachate. <i>RSC Advances</i> , 2016, 6, 987-994.	3.6	39
389	An efficient and green pretreatment to stimulate short-chain fatty acids production from waste activated sludge anaerobic fermentation using free nitrous acid. <i>Chemosphere</i> , 2016, 144, 160-167.	8.2	137
390	Preparation of microvillus-like nitrogen-doped carbon nanotubes as the cathode of a microbial fuel cell. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1632-1636.	10.3	54
391	Novel Bi ₁₂ O ₁₅ Cl ₆ Photocatalyst for the Degradation of Bisphenol A under Visible-Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5320-5326.	8.0	161
392	Complete bromate and nitrate reduction using hydrogen as the sole electron donor in a rotating biofilm-electrode reactor. <i>Journal of Hazardous Materials</i> , 2016, 307, 82-90.	12.4	25
393	Enhanced dewaterability of waste activated sludge by Fe(II)-activated peroxymonosulfate oxidation. <i>Bioresource Technology</i> , 2016, 206, 134-140.	9.6	179
394	Lab-scale thermal analysis of electronic waste plastics. <i>Journal of Hazardous Materials</i> , 2016, 310, 217-225.	12.4	42
395	Bioelectrochemical Chromium(VI) Removal in Plant-Microbial Fuel Cells. <i>Environmental Science & Technology</i> , 2016, 50, 3882-3889.	10.0	199
396	Outcompeting Presence of Acyl-Homoserine-Lactone (AHL)-Quenching Bacteria over AHL-Producing Bacteria in Aerobic Granules. <i>Environmental Science and Technology Letters</i> , 2016, 3, 36-40.	8.7	49

#	ARTICLE	IF	CITATIONS
397	Fluorescence quenching effects of antibiotics on the main components of dissolved organic matter. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5667-5675.	5.3	11
398	Biosynthesis of FeS nanoparticles from contaminant degradation in one single system. <i>Biochemical Engineering Journal</i> , 2016, 105, 214-219.	3.6	38
399	Kinetics and thermodynamics of interaction between sulfonamide antibiotics and humic acids: Surface plasmon resonance and isothermal titration microcalorimetry analysis. <i>Journal of Hazardous Materials</i> , 2016, 302, 262-266.	12.4	41
400	Approaching the binding between Cu(II) and aerobic granules by a modified titration and μ -XRF. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 362-367.	6.0	9
401	Multiparameter optimization of bromate sorption on anion exchange resin by a two-step statistical strategy: Plackett-Burman and Box-Behnken experimental design. <i>Desalination and Water Treatment</i> , 2016, 57, 15524-15532.	1.0	3
402	Synthesis of BiOCl ₂ Nanoplate Solid Solutions as a Robust Photocatalyst with Tunable Band Structure. <i>Chemistry - A European Journal</i> , 2015, 21, 11872-11877.	3.3	65
403	Chemistry: Reuse water pollutants. <i>Nature</i> , 2015, 528, 29-31.	27.8	296
404	An efficient process for wastewater treatment to mitigate free nitrous acid generation and its inhibition on biological phosphorus removal. <i>Scientific Reports</i> , 2015, 5, 8602.	3.3	28
405	Hydrodynamics of an Electrochemical Membrane Bioreactor. <i>Scientific Reports</i> , 2015, 5, 10387.	3.3	19
406	Enhanced production of short-chain fatty acid from food waste stimulated by alkyl polyglycosides and its mechanism. <i>Waste Management</i> , 2015, 46, 133-139.	7.4	51
407	Sunlight-mediated degradation of methyl orange sensitized by riboflavin: Roles of reactive oxygen species. <i>Separation and Purification Technology</i> , 2015, 142, 18-24.	7.9	20
408	Stimulating sediment bioremediation with benthic microbial fuel cells. <i>Biotechnology Advances</i> , 2015, 33, 1-12.	11.7	157
409	Electrocatalytic hydrodehalogenation of atrazine in aqueous solution by Cu@Pd/Ti catalyst. <i>Chemosphere</i> , 2015, 125, 57-63.	8.2	22
410	FTIR and Synchronous Fluorescence Heterospectral Two-Dimensional Correlation Analyses on the Binding Characteristics of Copper onto Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2015, 49, 2052-2058.	10.0	389
411	Probabilistic evaluation of integrating resource recovery into wastewater treatment to improve environmental sustainability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1630-1635.	7.1	75
412	Probing the secondary structure of bovine serum albumin during heat-induced denaturation using mid-infrared fiberoptic sensors. <i>Analyst</i> , 2015, 140, 765-770.	3.5	128
413	Understanding the Microbial Internal Storage Turnover in Wastewater Treatment: Retrospect, Prospect, and Challenge. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 591-612.	12.8	11
414	A robust cocatalyst Pd ₄ S uniformly anchored onto Bi ₂ S ₃ nanorods for enhanced visible light photocatalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4301-4306.	10.3	45

#	ARTICLE	IF	CITATIONS
415	Electro-assisted groundwater bioremediation: Fundamentals, challenges and future perspectives. Bioresource Technology, 2015, 196, 677-684.	9.6	36
416	Calcium effect on the metabolic pathway of phosphorus accumulating organisms in enhanced biological phosphorus removal systems. Water Research, 2015, 84, 171-180.	11.3	45
417	Free nitrous acid serving as a pretreatment method for alkaline fermentation to enhance short-chain fatty acid production from waste activated sludge. Water Research, 2015, 78, 111-120.	11.3	189
418	Thermochemical conversion of lignin to functional materials: a review and future directions. Green Chemistry, 2015, 17, 4888-4907.	9.0	437
419	Boiling significantly promotes photodegradation of perfluorooctane sulfonate. Chemosphere, 2015, 138, 324-327.	8.2	14
420	Insights into perfluorooctane sulfonate photodegradation in a catalyst-free aqueous solution. Scientific Reports, 2015, 5, 9353.	3.3	77
421	Probing the roles of Ca ²⁺ and Mg ²⁺ in humic acids-induced ultrafiltration membrane fouling using an integrated approach. Water Research, 2015, 81, 325-332.	11.3	94
422	Plasmonic photocatalyst Ag@AgCl/ZnSn(OH) ₆ : synthesis, characterization and enhanced visible-light photocatalytic activity in the decomposition of dyes and phenol. RSC Advances, 2015, 5, 63152-63164.	3.6	41
423	Electron acceptors for energy generation in microbial fuel cells fed with wastewaters: A mini-review. Chemosphere, 2015, 140, 12-17.	8.2	116
424	Efficient and selective electro-reduction of nitrobenzene by the nano-structured Cu catalyst prepared by an electrodeposited method via tuning applied voltage. Frontiers of Environmental Science and Engineering, 2015, 9, 897-904.	6.0	15
425	Solubilization of Waste Activated Sludge and Nitrogenous Compounds Transformation During Solubilization by Thermophilic Enzyme (S-TE) Process. Applied Biochemistry and Biotechnology, 2015, 176, 700-711.	2.9	15
426	A Fenton-like process for the enhanced activated sludge dewatering. Chemical Engineering Journal, 2015, 272, 128-134.	12.7	186
427	Application of a weak magnetic field to improve microbial fuel cell performance. Ecotoxicology, 2015, 24, 2175-2180.	2.4	23
428	Microbial hydrogen production from phenol in a two-step biological process. International Journal of Hydrogen Energy, 2015, 40, 12627-12633.	7.1	6
429	Development of Biochar-Based Functional Materials: Toward a Sustainable Platform Carbon Material. Chemical Reviews, 2015, 115, 12251-12285.	47.7	1,149
430	Defective titanium dioxide single crystals exposed by high-energy {001} facets for efficient oxygen reduction. Nature Communications, 2015, 6, 8696.	12.8	263
431	Fate and toxic effects of environmental stressors: environmental control. Ecotoxicology, 2015, 24, 2043-2048.	2.4	5
432	Synthesis of Pt-Loaded Self-Interspersed Anatase TiO ₂ with a Large Fraction of (001) Facets for Efficient Photocatalytic Nitrobenzene Degradation. ACS Applied Materials & Interfaces, 2015, 7, 20349-20359.	8.0	74

#	ARTICLE	IF	CITATIONS
433	Lipase-catalyzed regioselective domino reaction for the synthesis of chromenone derivatives. RSC Advances, 2015, 5, 78927-78932.	3.6	9
434	Quantitative evaluation of noncovalent interactions between polyphosphate and dissolved humic acids in aqueous conditions. Environmental Pollution, 2015, 207, 123-129.	7.5	10
435	Roles of extracellular polymeric substances in enhanced biological phosphorus removal process. Water Research, 2015, 86, 85-95.	11.3	103
436	Morphology-dependent antimicrobial activity of Cu/Cu ₂ O nanoparticles. Ecotoxicology, 2015, 24, 2067-2072.	2.4	28
437	Layered cobalt nickel silicate hollow spheres as a highly-stable supercapacitor material. Applied Energy, 2015, 153, 63-69.	10.1	78
438	A highly-ordered and uniform sunflower-like dendritic silver nanocomplex array as reproducible SERS substrate. RSC Advances, 2015, 5, 3860-3867.	3.6	8
439	An oxygen reduction catalyst derived from a robust Pd-reducing bacterium. Nano Energy, 2015, 12, 33-42.	16.0	53
440	Characterization of cefalexin degradation capabilities of two Pseudomonas strains isolated from activated sludge. Journal of Hazardous Materials, 2015, 282, 158-164.	12.4	58
441	Response of anaerobic granular sludge to single-wall carbon nanotube exposure. Water Research, 2015, 70, 1-8.	11.3	201
442	Development of an energy-saving anaerobic hybrid membrane bioreactors for 2-chlorophenol-contained wastewater treatment. Chemosphere, 2015, 140, 79-84.	8.2	23
443	An Integrated Solid-State pH Microelectrode Prepared Using Microfabrication. Electrochimica Acta, 2015, 152, 6-12.	5.2	17
444	Copper release from copper nanoparticles in the presence of natural organic matter. Water Research, 2015, 68, 12-23.	11.3	92
445	Tuning the catalytic selectivity in electrochemical CO ₂ reduction on copper oxide-derived nanomaterials. Frontiers of Environmental Science and Engineering, 2015, 9, 861-866.	6.0	27
446	An UV-vis spectroelectrochemical approach for rapid detection of phenazines and exploration of their redox characteristics. Biosensors and Bioelectronics, 2015, 64, 25-29.	10.1	29
447	Capacity Limit of Simultaneous Temporal Processing: How Many Concurrent "Clocks"™ in Vision?. PLoS ONE, 2014, 9, e91797.	2.5	11
448	Factors Affecting the Distribution Pattern of Wild Plants with Extremely Small Populations in Hainan Island, China. PLoS ONE, 2014, 9, e97751.	2.5	33
449	Quantitative Analysis and Fingerprint Profiles for Quality Control of Fructus Schisandrae by Gas Chromatography: Mass Spectrometry. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	10
450	Optimization of simultaneous ultrasonic-assisted extraction of water-soluble and fat-soluble characteristic constituents from Forsythiae Fructus Using response surface methodology and high-performance liquid chromatography. Pharmacognosy Magazine, 2014, 10, 292.	0.6	7

#	ARTICLE	IF	CITATIONS
451	Diketone-Mediated Photochemical Processes for Target-Selective Degradation of Dye Pollutants. <i>Environmental Science and Technology Letters</i> , 2014, 1, 167-171.	8.7	46
452	Biosorption of Cr (VI) by <i>Typha angustifolia</i> : Mechanism and responses to heavy metal stress. <i>Bioresource Technology</i> , 2014, 160, 89-92.	9.6	46
453	Insight into the roles of microbial extracellular polymer substances in metal biosorption. <i>Bioresource Technology</i> , 2014, 160, 15-23.	9.6	260
454	Surfactant-mediated settleability and dewaterability of activated sludge. <i>Chemical Engineering Science</i> , 2014, 116, 228-234.	3.8	54
455	Hydrogen production in a light-driven photoelectrochemical cell. <i>Applied Energy</i> , 2014, 113, 164-168.	10.1	61
456	Optimizing municipal wastewater treatment plants using an improved multi-objective optimization method. <i>Bioresource Technology</i> , 2014, 157, 161-165.	9.6	33
457	Non-Enzymatic Electrochemical Detection of Glucose with a Gold Nanowire Array Electrode. <i>Electroanalysis</i> , 2014, 26, 656-663.	2.9	15
458	Towards sustainable wastewater treatment by using microbial fuel cells-centered technologies. <i>Energy and Environmental Science</i> , 2014, 7, 911-924.	30.8	746
459	A plate-based electrochromic approach for the high-throughput detection of electrochemically active bacteria. <i>Nature Protocols</i> , 2014, 9, 112-119.	12.0	69
460	High-Yield Harvest of Nanofibers/Mesoporous Carbon Composite by Pyrolysis of Waste Biomass and Its Application for High Durability Electrochemical Energy Storage. <i>Environmental Science & Technology</i> , 2014, 48, 13951-13959.	10.0	173
461	Cathodic catalysts in bioelectrochemical systems for energy recovery from wastewater. <i>Chemical Society Reviews</i> , 2014, 43, 7718-7745.	38.1	208
462	Electrochemical degradation of refractory pollutants using TiO ₂ single crystals exposed by high-energy {001} facets. <i>Water Research</i> , 2014, 66, 273-282.	11.3	56
463	Determination of autoinducer-2 in biological samples by high-performance liquid chromatography with fluorescence detection using pre-column derivatization. <i>Journal of Chromatography A</i> , 2014, 1361, 162-168.	3.7	30
464	Chemical recycling of the waste anodic electrolyte from the TiO ₂ nanotube preparation process to synthesize facet-controlled TiO ₂ single crystals as an efficient photocatalyst. <i>Green Chemistry</i> , 2014, 16, 2745-2753.	9.0	27
465	A bio-photoelectrochemical cell with a MoS ₃ -modified silicon nanowire photocathode for hydrogen and electricity production. <i>Energy and Environmental Science</i> , 2014, 7, 3033-3039.	30.8	89
466	Light-driven microbial dissimilatory electron transfer to hematite. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23003-23011.	2.8	41
467	Reduced Graphene Oxide Supported Palladium Nanoparticles via Photoassisted Citrate Reduction for Enhanced Electrocatalytic Activities. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15795-15801.	8.0	67
468	Preparation of a macroporous flexible three dimensional graphene sponge using an ice-template as the anode material for microbial fuel cells. <i>RSC Advances</i> , 2014, 4, 21619-21624.	3.6	87

#	ARTICLE	IF	CITATIONS
469	Harvest of Cu NP anchored magnetic carbon materials from Fe/Cu preloaded biomass: their pyrolysis, characterization, and catalytic activity on aqueous reduction of 4-nitrophenol. <i>Green Chemistry</i> , 2014, 16, 4198.	9.0	135
470	Carbon Nanotubes Alter the Electron Flow Route and Enhance Nitrobenzene Reduction by <i>Shewanella oneidensis</i> MR-1. <i>Environmental Science and Technology Letters</i> , 2014, 1, 128-132.	8.7	51
471	Investigation on the Evolution of N-Containing Organic Compounds during Pyrolysis of Sewage Sludge. <i>Environmental Science & Technology</i> , 2014, 48, 10888-10896.	10.0	223
472	Quorum quenching is responsible for the underestimated quorum sensing effects in biological wastewater treatment reactors. <i>Bioresource Technology</i> , 2014, 171, 472-476.	9.6	58
473	Key parameters governing biological hydrogen production from benzoate by <i>Rhodospseudomonas capsulata</i> . <i>Applied Energy</i> , 2014, 133, 121-126.	10.1	16
474	Two-Dimensional Correlation Spectroscopic Analysis on the Interaction between Humic Acids and TiO ₂ Nanoparticles. <i>Environmental Science & Technology</i> , 2014, 48, 11119-11126.	10.0	166
475	Biological nutrient removal in a sequencing batch reactor operated as oxic/anoxic/extended-idle regime. <i>Chemosphere</i> , 2014, 105, 75-81.	8.2	24
476	Efficient electrochemical CO ₂ reduction on a unique chrysanthemum-like Cu nanoflower electrode and direct observation of carbon deposit. <i>Electrochimica Acta</i> , 2014, 139, 137-144.	5.2	118
477	Conductive Carbon Nanotube Hydrogel as a Bioanode for Enhanced Microbial Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8158-8164.	8.0	118
478	Characterization of dewatering process of activated sludge assisted by cationic surfactants. <i>Biochemical Engineering Journal</i> , 2014, 91, 174-178.	3.6	59
479	Synthesis of a Highly Efficient BiOCl Single-Crystal Nanodisk Photocatalyst with Exposing {001} Facets. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7766-7772.	8.0	196
480	Cultivation of aerobic granules for polyhydroxybutyrate production from wastewater. <i>Bioresource Technology</i> , 2014, 159, 442-445.	9.6	35
481	Synthesis of Layered MnO ₂ Nanosheets for Enhanced Oxygen Reduction Reaction Catalytic Activity. <i>Electrochimica Acta</i> , 2014, 132, 239-243.	5.2	49
482	Biological and chemical phosphorus solubilization from pyrolytical biochar in aqueous solution. <i>Chemosphere</i> , 2014, 113, 175-181.	8.2	41
483	Effects of Cd(II) on wastewater biological nitrogen and phosphorus removal. <i>Chemosphere</i> , 2014, 117, 27-32.	8.2	48
484	Molecular control of arsenite-induced apoptosis in <i>Caenorhabditis elegans</i> : Roles of insulin-like growth factor-1 signaling pathway. <i>Chemosphere</i> , 2014, 112, 248-255.	8.2	26
485	Redox reaction characteristics of riboflavin: A fluorescence spectroelectrochemical analysis and density functional theory calculation. <i>Bioelectrochemistry</i> , 2014, 98, 103-108.	4.6	34
486	The maximum specific hydrogen-producing activity of anaerobic mixed cultures: definition and determination. <i>Scientific Reports</i> , 2014, 4, 5239.	3.3	10

#	ARTICLE	IF	CITATIONS
487	Experimental and Theoretical Approaches for the Surface Interaction between Copper and Activated Sludge Microorganisms at Molecular Scale. Scientific Reports, 2014, 4, 7078.	3.3	21
488	An MFC-Based Online Monitoring and Alert System for Activated Sludge Process. Scientific Reports, 2014, 4, 6779.	3.3	14
489	Selenite reduction by <i>Shewanella oneidensis</i> MR-1 is mediated by fumarate reductase in periplasm. Scientific Reports, 2014, 4, 3735.	3.3	174
490	Experimental and Theoretical Demonstrations for the Mechanism behind Enhanced Microbial Electron Transfer by CNT Network. Scientific Reports, 2014, 4, 3732.	3.3	42
491	Enhanced arsenic removal from water by hierarchically porous CeO ₂ @ZrO ₂ nanospheres: Role of surface- and structure-dependent properties. Journal of Hazardous Materials, 2013, 260, 498-507.	12.4	174
492	Nitrate formation from atmospheric nitrogen and oxygen photocatalysed by nano-sized titanium dioxide. Nature Communications, 2013, 4, 2249.	12.8	107
493	Capture of H ₂ S from binary gas mixture by imidazolium-based ionic liquids with nonfluorous anions: A theoretical study. AIChE Journal, 2013, 59, 3824-3833.	3.6	26
494	A Pt-Bi bimetallic nanoparticle catalyst for direct electrooxidation of formic acid in fuel cells. Frontiers of Environmental Science and Engineering, 2013, 7, 388-394.	6.0	8
495	Mesoporous Carbon Stabilized MgO Nanoparticles Synthesized by Pyrolysis of MgCl ₂ Preloaded Waste Biomass for Highly Efficient CO ₂ Capture. Environmental Science & Technology, 2013, 47, 9397-9403.	10.0	204
496	Simultaneous Adsorption/Reduction of Bromate by Nanoscale Zerovalent Iron Supported on Modified Activated Carbon. Industrial & Engineering Chemistry Research, 2013, 52, 12574-12581.	3.7	93
497	Toxic effects of imidazolium-based ionic liquids on <i>Caenorhabditis elegans</i> : The role of reactive oxygen species. Chemosphere, 2013, 93, 2399-2404.	8.2	64
498	Phosphorus Removal in an Enhanced Biological Phosphorus Removal Process: Roles of Extracellular Polymeric Substances. Environmental Science & Technology, 2013, 47, 11482-11489.	10.0	167
499	Kinetic analysis on gaseous and aqueous product formation by mixed anaerobic hydrogen-producing cultures. International Journal of Hydrogen Energy, 2013, 38, 15590-15597.	7.1	6
500	Carbon nanotubes promote Cr(VI) reduction by alginate-immobilized <i>Shewanella oneidensis</i> MR-1. Biochemical Engineering Journal, 2013, 77, 183-189.	3.6	55
501	Quantification of the interactions between Ca ²⁺ , Hg ²⁺ and extracellular polymeric substances (EPS) of sludge. Chemosphere, 2013, 93, 1436-1441.	8.2	112
502	Superparamagnetic mesoporous ferrite nanocrystal clusters for efficient removal of arsenite from water. CrystEngComm, 2013, 15, 7895.	2.6	45
503	Thermodynamic analysis on the binding of heavy metals onto extracellular polymeric substances (EPS) of activated sludge. Water Research, 2013, 47, 607-614.	11.3	289
504	Evaluation of the feasibility of alcohols serving as external carbon sources for biological phosphorus removal induced by the oxic/extended-aerobic regime. Biotechnology and Bioengineering, 2013, 110, 827-837.	3.3	38

#	ARTICLE	IF	CITATIONS
505	Hydration interactions and stability of soluble microbial products in aqueous solutions. <i>Water Research</i> , 2013, 47, 5921-5929.	11.3	29
506	Evaluating the impact of operational parameters on the formation of soluble microbial products (SMP) by activated sludge. <i>Water Research</i> , 2013, 47, 1073-1079.	11.3	50
507	In-situ utilization of generated electricity in an electrochemical membrane bioreactor to mitigate membrane fouling. <i>Water Research</i> , 2013, 47, 5794-5800.	11.3	102
508	Species of phosphorus in the extracellular polymeric substances of EBPR sludge. <i>Bioresource Technology</i> , 2013, 142, 714-718.	9.6	56
509	Manipulation of Microbial Extracellular Electron Transfer by Changing Molecular Structure of Phenazine-Type Redox Mediators. <i>Environmental Science & Technology</i> , 2013, 47, 1033-1039.	10.0	39
510	Synthesis, characterization and application of a novel starch-based flocculant with high flocculation and dewatering properties. <i>Water Research</i> , 2013, 47, 2643-2648.	11.3	222
511	Electron acceptor dependence of electron shuttle secretion and extracellular electron transfer by <i>Shewanella oneidensis</i> MR-1. <i>Bioresource Technology</i> , 2013, 136, 711-714.	9.6	66
512	Simultaneous carbon and nitrogen removals in membrane bioreactor with mesh filter: An experimental and modeling approach. <i>Chemical Engineering Science</i> , 2013, 95, 78-84.	3.8	14
513	Hexagonal microrods of anatase tetragonal TiO ₂ : self-directed growth and superior photocatalytic performance. <i>Chemical Communications</i> , 2013, 49, 6075.	4.1	26
514	Anaerobic Granule Technologies for Hydrogen Recovery from Wastes: The Way Forward. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 1246-1280.	12.8	6
515	Roles of extracellular polymeric substances (EPS) in the migration and removal of sulfamethazine in activated sludge system. <i>Water Research</i> , 2013, 47, 5298-5306.	11.3	264
516	Coagulation Kinetics of Humic Aggregates in Mono- and Di-Valent Electrolyte Solutions. <i>Environmental Science & Technology</i> , 2013, 47, 5042-5049.	10.0	100
517	A modeling approach to describe ZVI-based anaerobic system. <i>Water Research</i> , 2013, 47, 6007-6013.	11.3	60
518	A Photometric High-Throughput Method for Identification of Electrochemically Active Bacteria Using a WO ₃ Nanocluster Probe. <i>Scientific Reports</i> , 2013, 3, 1315.	3.3	76
519	Characterization of autotrophic and heterotrophic soluble microbial product (SMP) fractions from activated sludge. <i>Water Research</i> , 2012, 46, 6210-6217.	11.3	73
520	A novel efficient cationic flocculant prepared through grafting two monomers onto chitosan induced by Gamma radiation. <i>RSC Advances</i> , 2012, 2, 494-500.	3.6	55
521	Selectively Improving the Bio-Oil Quality by Catalytic Fast Pyrolysis of Heavy-Metal-Polluted Biomass: Take Copper (Cu) as an Example. <i>Environmental Science & Technology</i> , 2012, 46, 7849-7856.	10.0	138
522	Enhanced electricity production from microbial fuel cells with plasma-modified carbon paper anode. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9966.	2.8	73

#	ARTICLE	IF	CITATIONS
523	Acidogenic fermentation of proteinaceous sewage sludge: Effect of pH. <i>Water Research</i> , 2012, 46, 799-807.	11.3	203
524	Fouling of proton exchange membrane (PEM) deteriorates the performance of microbial fuel cell. <i>Water Research</i> , 2012, 46, 1817-1824.	11.3	254
525	Spatial configuration of extracellular polymeric substances of <i>Bacillus megaterium</i> TF10 in aqueous solution. <i>Water Research</i> , 2012, 46, 3490-3496.	11.3	18
526	Improved biological phosphorus removal performance driven by the aerobic/extended-idle regime with propionate as the sole carbon source. <i>Water Research</i> , 2012, 46, 3868-3878.	11.3	80
527	Anodic Fenton process assisted by a microbial fuel cell for enhanced degradation of organic pollutants. <i>Water Research</i> , 2012, 46, 4371-4378.	11.3	56
528	Bio-oil upgrading at ambient pressure and temperature using zero valent metals. <i>Green Chemistry</i> , 2012, 14, 2226.	9.0	36
529	A white-rot fungus is used as a biocathode to improve electricity production of a microbial fuel cell. <i>Applied Energy</i> , 2012, 98, 594-596.	10.1	63
530	A microbial fuel cell-membrane bioreactor integrated system for cost-effective wastewater treatment. <i>Applied Energy</i> , 2012, 98, 230-235.	10.1	153
531	A novel integrated approach to quantitatively evaluate the efficiency of extracellular polymeric substances (EPS) extraction process. <i>Applied Microbiology and Biotechnology</i> , 2012, 96, 1577-1585.	3.6	29
532	Involvement of c-type cytochrome CymA in the electron transfer of anaerobic nitrobenzene reduction by <i>Shewanella oneidensis</i> MR-1. <i>Biochemical Engineering Journal</i> , 2012, 68, 227-230.	3.6	26
533	Modification of bio-char derived from fast pyrolysis of biomass and its application in removal of tetracycline from aqueous solution. <i>Bioresource Technology</i> , 2012, 121, 235-240.	9.6	520
534	Assessment of Multiple Sustainability Demands for Wastewater Treatment Alternatives: A Refined Evaluation Scheme and Case Study. <i>Environmental Science & Technology</i> , 2012, 46, 5542-5549.	10.0	53
535	Hydrophobic Teflon films as concentrators for single-molecule SERS detection. <i>Journal of Materials Chemistry</i> , 2012, 22, 20986.	6.7	75
536	pH Dependence of Structure and Surface Properties of Microbial EPS. <i>Environmental Science & Technology</i> , 2012, 46, 737-744.	10.0	225
537	Microbial Products of Activated Sludge in Biological Wastewater Treatment Systems: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 187-223.	12.8	67
538	Nutrient removal and energy production in a urine treatment process using magnesium ammonium phosphate precipitation and a microbial fuel cell technique. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1978.	2.8	85
539	Improving Biogas Separation and Methane Storage with Multilayer Graphene Nanostructure via Layer Spacing Optimization and Lithium Doping: A Molecular Simulation Investigation. <i>Environmental Science & Technology</i> , 2012, 46, 10341-10348.	10.0	69
540	Inducing mechanism of biological phosphorus removal driven by the aerobic/extended-idle regime. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2798-2807.	3.3	47

#	ARTICLE	IF	CITATIONS
541	Mechanisms of microwave irradiation pretreatment for enhancing anaerobic digestion of cattail by rumen microorganisms. <i>Applied Energy</i> , 2012, 93, 229-236.	10.1	63
542	Biodecolorization of Naphthol Green B dye by <i>Shewanella oneidensis</i> MR-1 under anaerobic conditions. <i>Bioresource Technology</i> , 2012, 110, 86-90.	9.6	70
543	A nano-sized Au electrode fabricated using lithographic technology for electrochemical detection of dopamine. <i>Biosensors and Bioelectronics</i> , 2012, 35, 115-122.	10.1	26
544	A novel biofloculant produced by <i>Leptothrix</i> sp. and its application to sludge dewatering. <i>Water and Environment Journal</i> , 2012, 26, 560-566.	2.2	57
545	A new polystyrene-latex-based and EPS-containing synthetic sludge. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 131-139.	6.0	1
546	Characterization of sulfide-oxidizing microbial mats developed inside a full-scale anaerobic digester employing biological desulfurization. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 847-857.	3.6	61
547	Anaerobic biodecolorization mechanism of methyl orange by <i>Shewanella oneidensis</i> MR-1. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1769-1776.	3.6	107
548	Novel Online Monitoring and Alert System for Anaerobic Digestion Reactors. <i>Environmental Science & Technology</i> , 2011, 45, 9093-9100.	10.0	31
549	Graphene oxide nanoribbons greatly enhance extracellular electron transfer in bio-electrochemical systems. <i>Chemical Communications</i> , 2011, 47, 5795.	4.1	116
550	Carbon nanotube/chitosan nanocomposite as a biocompatible biocathode material to enhance the electricity generation of a microbial fuel cell. <i>Energy and Environmental Science</i> , 2011, 4, 1422.	30.8	116
551	Development of a Novel Bioelectrochemical Membrane Reactor for Wastewater Treatment. <i>Environmental Science & Technology</i> , 2011, 45, 9256-9261.	10.0	163
552	pH-Dependent Interactions Between Lead and <i>Typha angustifolia</i> Biomass in the Biosorption Process. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5920-5926.	3.7	8
553	Design, Preparation, and Characterization of a Novel Hyper-Cross-Linked Polyphosphamide Polymer and Its Adsorption for Phenol. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11614-11619.	3.7	10
554	Photoassisted Fenton Degradation of Polystyrene. <i>Environmental Science & Technology</i> , 2011, 45, 744-750.	10.0	99
555	Evaluating the influence of process parameters on soluble microbial products formation using response surface methodology coupled with grey relational analysis. <i>Water Research</i> , 2011, 45, 674-680.	11.3	62
556	Optimization of the coagulation-flocculation process for pulp mill wastewater treatment using a combination of uniform design and response surface methodology. <i>Water Research</i> , 2011, 45, 5633-5640.	11.3	226
557	Identification of Key Constituents and Structure of the Extracellular Polymeric Substances Excreted by <i>Bacillus megaterium</i> TF10 for Their Flocculation Capacity. <i>Environmental Science & Technology</i> , 2011, 45, 1152-1157.	10.0	248
558	Soluble microbial products and their implications in mixed culture biotechnology. <i>Trends in Biotechnology</i> , 2011, 29, 454-463.	9.3	184

#	ARTICLE	IF	CITATIONS
559	Electro- and photocatalytic hydrogen generation in acetonitrile and aqueous solutions by a cobalt macrocyclic Schiff-base complex. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11640-11645.	7.1	55
560	From wastewater to bioenergy and biochemicals via two-stage bioconversion processes: A future paradigm. <i>Biotechnology Advances</i> , 2011, 29, 972-982.	11.7	125
561	Enhanced reductive degradation of methyl orange in a microbial fuel cell through cathode modification with redox mediators. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 201-208.	3.6	47
562	Adsorption and decolorization kinetics of methyl orange by anaerobic sludge. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 1119-1127.	3.6	38
563	Total recovery of nitrogen and phosphorus from three wetland plants by fast pyrolysis technology. <i>Bioresource Technology</i> , 2011, 102, 3471-3479.	9.6	83
564	Techno-economic evaluation of the integrated biosorption–pyrolysis technology for lead (Pb) recovery from aqueous solution. <i>Bioresource Technology</i> , 2011, 102, 6260-6265.	9.6	32
565	Impact of a static magnetic field on the electricity production of <i>Shewanella</i> -inoculated microbial fuel cells. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3987-3992.	10.1	69
566	Experimental and numerical analysis of the hydrodynamic behaviors of aerobic granules. <i>AIChE Journal</i> , 2011, 57, 2909-2916.	3.6	8
567	Coupling glucose fermentation and homoacetogenesis for elevated acetate production: Experimental and mathematical approaches. <i>Biotechnology and Bioengineering</i> , 2011, 108, 345-353.	3.3	58
568	Evaluation on factors influencing the heterotrophic growth on the soluble microbial products of autotrophs. <i>Biotechnology and Bioengineering</i> , 2011, 108, 804-812.	3.3	35
569	Integration of a microbial fuel cell with activated sludge process for energy-saving wastewater treatment: Taking a sequencing batch reactor as an example. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1260-1267.	3.3	72
570	An innovative miniature microbial fuel cell fabricated using photolithography. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2841-2846.	10.1	52
571	Fractional characterization of a bio-oil derived from rice husk. <i>Biomass and Bioenergy</i> , 2011, 35, 671-678.	5.7	49
572	A new cathodic electrode deposit with palladium nanoparticles for cost-effective hydrogen production in a microbial electrolysis cell. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 2773-2776.	7.1	101
573	Modeling and simulation of the formation and utilization of microbial products in aerobic granular sludge. <i>AIChE Journal</i> , 2010, 56, 546-559.	3.6	5
574	Electricity generation from mixed volatile fatty acids using microbial fuel cells. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 2365-2372.	3.6	80
575	The quorum-sensing effect of aerobic granules on bacterial adhesion, biofilm formation, and sludge granulation. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 789-797.	3.6	79
576	Microbial communities involved in electricity generation from sulfide oxidation in a microbial fuel cell. <i>Biosensors and Bioelectronics</i> , 2010, 26, 470-476.	10.1	70

#	ARTICLE	IF	CITATIONS
577	Extracellular polymeric substances (EPS) of microbial aggregates in biological wastewater treatment systems: A review. <i>Biotechnology Advances</i> , 2010, 28, 882-894.	11.7	2,305
578	Mathematical modeling of aerobic granular sludge: A review. <i>Biotechnology Advances</i> , 2010, 28, 895-909.	11.7	74
579	Development of a mechanistic model for biological nutrient removal activated sludge systems and application to a full-scale WWTP. <i>AIChE Journal</i> , 2010, 56, 1626-1638.	3.6	10
580	Kinetic analysis on the production of polyhydroxyalkanoates from volatile fatty acids by <i>Cupriavidus necator</i> with a consideration of substrate inhibition, cell growth, maintenance, and product formation. <i>Biochemical Engineering Journal</i> , 2010, 49, 422-428.	3.6	45
581	Enhanced efficiency of biological excess sludge hydrolysis under anaerobic digestion by additional enzymes. <i>Bioresource Technology</i> , 2010, 101, 2924-2930.	9.6	210
582	A gold-sputtered carbon paper as an anode for improved electricity generation from a microbial fuel cell inoculated with <i>Shewanella oneidensis</i> MR-1. <i>Biosensors and Bioelectronics</i> , 2010, 26, 338-343.	10.1	139
583	Contribution of Extracellular Polymeric Substances (EPS) to the Sludge Aggregation. <i>Environmental Science & Technology</i> , 2010, 44, 4355-4360.	10.0	378
584	Quantitative Simulation of the Granulation Process of Activated Sludge for Wastewater Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2864-2873.	3.7	14
585	A Novel Integrated Approach to the Enhanced Production of Polyhydroxybutyrate with Mixed Culture in Activated Sludge. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7478-7483.	3.7	2
586	Direct Electricity Recovery from <i>Canna indica</i> by an Air-Cathode Microbial Fuel Cell Inoculated with Rumen Microorganisms. <i>Environmental Science & Technology</i> , 2010, 44, 2715-2720.	10.0	59
587	Fractionating soluble microbial products in the activated sludge process. <i>Water Research</i> , 2010, 44, 2292-2302.	11.3	120
588	Nano-structured manganese oxide as a cathodic catalyst for enhanced oxygen reduction in a microbial fuel cell fed with a synthetic wastewater. <i>Water Research</i> , 2010, 44, 5298-5305.	11.3	138
589	Identification and quantification of anammox bacteria in eight nitrogen removal reactors. <i>Water Research</i> , 2010, 44, 5014-5020.	11.3	161
590	Degradation of Organic Pollutants in a Photoelectrocatalytic System Enhanced by a Microbial Fuel Cell. <i>Environmental Science & Technology</i> , 2010, 44, 5575-5580.	10.0	82
591	Microbial and Physicochemical Characteristics of Compact Anaerobic Ammonium-Oxidizing Granules in an Upflow Anaerobic Sludge Blanket Reactor. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2652-2656.	3.1	131
592	Contact-Adsorption-Regeneration-Stabilization Process for the Treatment of Municipal Wastewater. <i>Journal of Water and Environment Technology</i> , 2009, 7, 83-90.	0.7	4
593	Physicochemical characteristics of microbial granules. <i>Biotechnology Advances</i> , 2009, 27, 1061-1070.	11.7	195
594	Hydrodynamics of upflow anaerobic sludge blanket reactors. <i>AIChE Journal</i> , 2009, 55, 516-528.	3.6	52

#	ARTICLE	IF	CITATIONS
595	Modeling and simulation of the sequencing batch reactor at a full-scale municipal wastewater treatment plant. <i>AIChE Journal</i> , 2009, 55, 2186-2196.	3.6	9
596	A thermodynamic analysis of the activated sludge process: Application to soybean wastewater treatment in a sequencing batch reactor. <i>AIChE Journal</i> , 2009, 55, 2737-2745.	3.6	2
597	Modeling a granule-based anaerobic ammonium oxidizing (ANAMMOX) process. <i>Biotechnology and Bioengineering</i> , 2009, 103, 490-499.	3.3	101
598	Manipulating the hydrogen production from acetate in a microbial electrolysis cell-microbial fuel cell-coupled system. <i>Journal of Power Sources</i> , 2009, 191, 338-343.	7.8	105
599	Effect and mechanism of carbon sources on phosphorus uptake by microorganisms in sequencing batch reactors with the single-stage oxic process. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2358-2365.	0.8	5
600	Near-infrared spectroscopy-based quantification of substrate and aqueous products in wastewater anaerobic fermentation processes. <i>Science Bulletin</i> , 2009, 54, 1918-1922.	9.0	3
601	Kinetic analysis on the two-step processes of AOB and NOB in aerobic nitrifying granules. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 1159-1169.	3.6	45
602	Effects of temperature and substrate concentration on biological hydrogen production from starch. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2558-2566.	7.1	121
603	Thermophilic fermentative hydrogen production from starch-wastewater with bio-granules. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5061-5071.	7.1	59
604	Determining optimum conditions for hydrogen production from glucose by an anaerobic culture using response surface methodology (RSM). <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7959-7963.	7.1	48
605	Removal of Cu(II) in aqueous media by biosorption using water hyacinth roots as a biosorbent material. <i>Journal of Hazardous Materials</i> , 2009, 171, 780-785.	12.4	124
606	Modeling Microbial Products in Activated Sludge under Feast~Famine Conditions. <i>Environmental Science & Technology</i> , 2009, 43, 2489-2497.	10.0	57
607	Granulation of activated sludge in a pilot-scale sequencing batch reactor for the treatment of low-strength municipal wastewater. <i>Water Research</i> , 2009, 43, 751-761.	11.3	258
608	Characterization of extracellular polymeric substances produced by mixed microorganisms in activated sludge with gel-permeating chromatography, excitation-emission matrix fluorescence spectroscopy measurement and kinetic modeling. <i>Water Research</i> , 2009, 43, 1350-1358.	11.3	163
609	Enhanced nitrogen and phosphorus removal from eutrophic lake water by <i>Ipomoea aquatica</i> with low-energy ion implantation. <i>Water Research</i> , 2009, 43, 1247-1256.	11.3	75
610	Synthesis and characterization of a novel cationic chitosan-based flocculant with a high water-solubility for pulp mill wastewater treatment. <i>Water Research</i> , 2009, 43, 5267-5275.	11.3	153
611	Microbe-Assisted Sulfide Oxidation in the Anode of a Microbial Fuel Cell. <i>Environmental Science & Technology</i> , 2009, 43, 3372-3377.	10.0	137
612	Structure evolution and optimization in the fabrication of PVA-based activated carbon fibers. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 96-102.	9.4	37

#	ARTICLE	IF	CITATIONS
613	Characterization of adsorption properties of extracellular polymeric substances (EPS) extracted from sludge. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 83-90.	5.0	151
614	An approach for modeling two-step denitrification in activated sludge systems. <i>Chemical Engineering Science</i> , 2008, 63, 1449-1459.	3.8	39
615	Microscale Analysis of <i>in Vitro</i> Anaerobic Degradation of Lignocellulosic Wastes by Rumen Microorganisms. <i>Environmental Science & Technology</i> , 2008, 42, 276-281.	10.0	60
616	Modeling simultaneous autotrophic and heterotrophic growth in aerobic granules. <i>Water Research</i> , 2008, 42, 1583-1594.	11.3	72
617	Characterizing the extracellular and intracellular fluorescent products of activated sludge in a sequencing batch reactor. <i>Water Research</i> , 2008, 42, 3173-3181.	11.3	115
618	Calcium spatial distribution in aerobic granules and its effects on granule structure, strength and bioactivity. <i>Water Research</i> , 2008, 42, 3343-3352.	11.3	150
619	Drag Coefficient of Porous and Permeable Microbial Granules. <i>Environmental Science & Technology</i> , 2008, 42, 1718-1723.	10.0	50
620	An MEC-MFC-Coupled System for Biohydrogen Production from Acetate. <i>Environmental Science & Technology</i> , 2008, 42, 8095-8100.	10.0	193
621	Determination of the pore size distribution and porosity of aerobic granules using size-exclusion chromatography. <i>Water Research</i> , 2007, 41, 39-46.	11.3	76
622	A kinetic approach to anaerobic hydrogen-producing process. <i>Water Research</i> , 2007, 41, 1152-1160.	11.3	137
623	Optimization of anaerobic acidogenesis of an aquatic plant, <i>Canna indica</i> L., by rumen cultures. <i>Water Research</i> , 2007, 41, 2361-2370.	11.3	57
624	Nitrogen removal from eutrophic water by floating-bed-grown water spinach (<i>Ipomoea aquatica</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	11.3	90
625	Kinetics and Mechanisms of Radiolytic Degradation of Nitrobenzene in Aqueous Solutions. <i>Environmental Science & Technology</i> , 2007, 41, 1977-1982.	10.0	51
626	DLVO Approach to the Flocculability of a Photosynthetic H ₂ -Producing Bacterium, <i>Rhodospseudomonas acidophila</i> . <i>Environmental Science & Technology</i> , 2007, 41, 4620-4625.	10.0	114
627	Surface characteristics of acidogenic sludge in H ₂ -producing process. <i>Journal of Water and Environment Technology</i> , 2007, 5, 1-12.	0.7	2
628	Comparative performance of two upflow anaerobic biohydrogen-producing reactors seeded with different sludges. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 1086-1094.	7.1	56
629	Simulation of biological hydrogen production in a UASB reactor using neural network and genetic algorithm. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 3308-3314.	7.1	47
630	Substrate consumption and biomass growth of <i>Ralstonia eutropha</i> at various S ₀ /X ₀ levels in batch cultures. <i>Bioresource Technology</i> , 2007, 98, 2599-2604.	9.6	15

#	ARTICLE	IF	CITATIONS
631	Evaluation of three methods for enriching H ₂ -producing cultures from anaerobic sludge. <i>Enzyme and Microbial Technology</i> , 2007, 40, 947-953.	3.2	151
632	Analysis of adsorption characteristics of 2,4-dichlorophenol from aqueous solutions by activated carbon fiber. <i>Journal of Hazardous Materials</i> , 2007, 144, 200-207.	12.4	75
633	Elemental selenium at nano size possesses lower toxicity without compromising the fundamental effect on selenoenzymes: Comparison with selenomethionine in mice. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1524-1533.	2.9	592
634	Formation of extracellular polymeric substances from acidogenic sludge in H ₂ -producing process. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 208-214.	3.6	37
635	Biosynthesis of polyhydroxybutyrate (PHB) and extracellular polymeric substances (EPS) by <i>Ralstonia eutropha</i> ATCC 17699 in batch cultures. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 871-878.	3.6	78
636	Enrichment and granulation of Anammox biomass started up with methanogenic granular sludge. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 1015-1020.	3.6	20
637	Comparison between inhibitor and uncoupler for minimizing excess sludge production of an activated sludge process. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 63-66.	0.8	1
638	A Generalized Model for Aerobic Granule-based Sequencing Batch Reactor. 1. Model Development. <i>Environmental Science & Technology</i> , 2006, 40, 4703-4708.	10.0	54
639	Chemical-Equilibrium-Based Model for Describing the Strength of Sludge: Taking Hydrogen-Producing Sludge as an Example. <i>Environmental Science & Technology</i> , 2006, 40, 1280-1285.	10.0	26
640	Characterization of extracellular polymeric substances of aerobic and anaerobic sludge using three-dimensional excitation and emission matrix fluorescence spectroscopy. <i>Water Research</i> , 2006, 40, 1233-1239.	11.3	629
641	Rheological and fractal characteristics of granular sludge in an upflow anaerobic reactor. <i>Water Research</i> , 2006, 40, 3596-3602.	11.3	61
642	Anaerobic digestion of cattail by rumen cultures. <i>Waste Management</i> , 2006, 26, 1222-1228.	7.4	51
643	PVA-based activated carbon fibers with lotus root-like axially porous structure. <i>Carbon</i> , 2006, 44, 2059-2068.	10.3	75
644	Kinetic modeling of batch hydrogen production process by mixed anaerobic cultures. <i>Bioresource Technology</i> , 2006, 97, 1302-1307.	9.6	150
645	Response surface methodological analysis on biohydrogen production by enriched anaerobic cultures. <i>Enzyme and Microbial Technology</i> , 2006, 38, 905-913.	3.2	121
646	Continuous production of hydrogen from mixed volatile fatty acids with <i>Rhodopseudomonas capsulata</i> . <i>International Journal of Hydrogen Energy</i> , 2006, 31, 1641-1647.	7.1	94
647	Biosorption of 2,4-dichlorophenol from aqueous solution by <i>Phanerochaete chrysosporium</i> biomass: Isotherms, kinetics and thermodynamics. <i>Journal of Hazardous Materials</i> , 2006, 137, 498-508.	12.4	134
648	Relationship between the extracellular polymeric substances and surface characteristics of <i>Rhodopseudomonas acidophila</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 72, 126-131.	3.6	48

#	ARTICLE	IF	CITATIONS
649	FTIR-spectral analysis of two photosynthetic H ₂ -producing strains and their extracellular polymeric substances. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 204-210.	3.6	65
650	Stability of sludge flocs under shear conditions: Roles of extracellular polymeric substances (EPS). <i>Biotechnology and Bioengineering</i> , 2006, 93, 1095-1102.	3.3	127
651	Biological hydrogen production in a UASB reactor with granules. II: Reactor performance in 3-year operation. <i>Biotechnology and Bioengineering</i> , 2006, 94, 988-995.	3.3	109
652	Biological hydrogen production in a UASB reactor with granules. I: Physicochemical characteristics of hydrogen-producing granules. <i>Biotechnology and Bioengineering</i> , 2006, 94, 980-987.	3.3	118
653	Cu(II), Ni(II) Complexation with Acid Alizarine Blue B in the Presence of Cetyltrimethylammonium Bromide. <i>Chinese Journal of Chemical Physics</i> , 2006, 19, 178-182.	1.3	0
654	Response surface analysis to evaluate the influence of pH, temperature and substrate concentration on the acidogenesis of sucrose-rich wastewater. <i>Biochemical Engineering Journal</i> , 2005, 23, 175-184.	3.6	95
655	Influence of particle size and pH on anaerobic degradation of cellulose by ruminal microbes. <i>International Biodeterioration and Biodegradation</i> , 2005, 55, 233-238.	3.9	58
656	Optimization of volatile fatty acid compositions for hydrogen production by <i>Rhodopseudomonas capsulata</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1198-1203.	3.2	14
657	Extraction of extracellular polymeric substances from the photosynthetic bacterium <i>Rhodopseudomonas acidophila</i> . <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 125-130.	3.6	185
658	Production of extracellular polymeric substances from <i>Rhodopseudomonas acidophila</i> in the presence of toxic substances. <i>Applied Microbiology and Biotechnology</i> , 2005, 69, 216-222.	3.6	180
659	Formation and Characterization of Aerobic Granules in a Sequencing Batch Reactor Treating Soybean-Processing Wastewater. <i>Environmental Science & Technology</i> , 2005, 39, 2818-2827.	10.0	249
660	Optimization of Radiolytic Degradation of Poly(vinyl alcohol). <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1995-2001.	3.7	14
661	Thermodynamic analysis of product formation in mesophilic acidogenesis of lactose. <i>Biotechnology and Bioengineering</i> , 2004, 87, 813-822.	3.3	32
662	Kinetics of reductive degradation of Orange II in aqueous solution by zero-valent iron. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1429-1431.	3.2	34
663	Anaerobic degradation of cellulose by rumen microorganisms at various pH values. <i>Biochemical Engineering Journal</i> , 2004, 21, 59-62.	3.6	92
664	TiO ₂ -mediated photocatalytic degradation of Orange II with the presence of Mn ²⁺ in solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 311-311.	3.9	0
665	Radiation-induced degradation of polyvinyl alcohol in aqueous solutions. <i>Water Research</i> , 2004, 38, 309-316.	11.3	99
666	Mesophilic acidification of gelatinaceous wastewater. <i>Journal of Biotechnology</i> , 2002, 93, 99-108.	3.8	68

#	ARTICLE	IF	CITATIONS
667	Hydrogen production from rice winery wastewater in an upflow anaerobic reactor by using mixed anaerobic cultures. International Journal of Hydrogen Energy, 2002, 27, 1359-1365.	7.1	383
668	Kinetic analysis of an anaerobic filter treating soybean wastewater. Water Research, 1998, 32, 3341-3352.	11.3	117
669	Biomethanation of brewery wastewater using an anaerobic upflow blanket filter. Journal of Cleaner Production, 1996, 4, 219-223.	9.3	32