

# Han-Qing Yu

## List of Publications by Year in descending order

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669  
papers

55,455  
citations

863

117  
h-index

2675

193  
g-index

681  
all docs

681  
docs citations

681  
times ranked

38839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular polymeric substances (EPS) of microbial aggregates in biological wastewater treatment systems: A review. <i>Biotechnology Advances</i> , 2010, 28, 882-894.	6.0	2,305
2	Extracellular electron transfer mechanisms between microorganisms and minerals. <i>Nature Reviews Microbiology</i> , 2016, 14, 651-662.	13.6	1,224
3	Development of Biochar-Based Functional Materials: Toward a Sustainable Platform Carbon Material. <i>Chemical Reviews</i> , 2015, 115, 12251-12285.	23.0	1,149
4	Hierarchical assembly of graphene-bridged Ag <sub>3</sub> PO <sub>4</sub> /Ag/BiVO <sub>4</sub> (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.	10.8	752
5	Towards sustainable wastewater treatment by using microbial fuel cells-centered technologies. <i>Energy and Environmental Science</i> , 2014, 7, 911-924.	15.6	746
6	Degradation of Bisphenol A by Peroxymonosulfate Catalytically Activated with Mn <sub>1.8</sub> Fe <sub>1.2</sub> O <sub>4</sub> Nanospheres: Synergism between Mn and Fe. <i>Environmental Science &amp; Technology</i> , 2017, 51, 12611-12618.	4.6	664
7	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.	5.3	629
8	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.	1.3	592
9	Simultaneously efficient adsorption and photocatalytic degradation of tetracycline by Fe-based MOFs. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 273-284.	5.0	552
10	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.	4.8	520
11	Emerging applications of biochar-based materials for energy storage and conversion. <i>Energy and Environmental Science</i> , 2019, 12, 1751-1779.	15.6	481
12	Thermochemical conversion of lignin to functional materials: a review and future directions. <i>Green Chemistry</i> , 2015, 17, 4888-4907.	4.6	437
13	Enhanced Photocatalytic Degradation of Tetracycline by AgI/BiVO <sub>4</sub> Heterojunction under Visible-Light Irradiation: Mineralization Efficiency and Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32887-32900.	4.0	407
14	Recent advances in photo-activated sulfate radical-advanced oxidation process (SR-AOP) for refractory organic pollutants removal in water. <i>Chemical Engineering Journal</i> , 2019, 378, 122149.	6.6	401
15	Fates of Chemical Elements in Biomass during Its Pyrolysis. <i>Chemical Reviews</i> , 2017, 117, 6367-6398.	23.0	399
16	FTIR and Synchronous Fluorescence Heterospectral Two-Dimensional Correlation Analyses on the Binding Characteristics of Copper onto Dissolved Organic Matter. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2052-2058.	4.6	389
17	Hydrogen production from rice winery wastewater in an upflow anaerobic reactor by using mixed anaerobic cultures. <i>International Journal of Hydrogen Energy</i> , 2002, 27, 1359-1365.	3.8	383
18	Contribution of Extracellular Polymeric Substances (EPS) to the Sludge Aggregation. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4355-4360.	4.6	378

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19	Novel ternary heterojunction photocatalyst of Ag nanoparticles and g-C <sub>3</sub> N <sub>4</sub> nanosheets co-modified BiVO <sub>4</sub> for wider spectrum visible-light photocatalytic degradation of refractory pollutant. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 133-147.	10.8	343
20	Electrochemical Oxidation of 5-Hydroxymethylfurfural with NiFe Layered Double Hydroxide (LDH) Nanosheet Catalysts. <i>ACS Catalysis</i> , 2018, 8, 5533-5541.	5.5	340
21	Endoplasmic Reticulum Stress Causes Liver Cancer Cells to Release Exosomal miR-23a and Upregulate Programmed Death Ligand 1 Expression in Macrophages. <i>Hepatology</i> , 2019, 70, 241-258.	3.6	304
22	Effectiveness and mechanisms of phosphate adsorption on iron-modified biochars derived from waste activated sludge. <i>Bioresource Technology</i> , 2018, 247, 537-544.	4.8	297
23	Chemistry: Reuse water pollutants. <i>Nature</i> , 2015, 528, 29-31.	13.7	296
24	Thermodynamic analysis on the binding of heavy metals onto extracellular polymeric substances (EPS) of activated sludge. <i>Water Research</i> , 2013, 47, 607-614.	5.3	289
25	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.	10.8	287
26	Sludge biochar-based catalysts for improved pollutant degradation by activating peroxymonosulfate. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8978-8985.	5.2	285
27	Efficient electrochemical production of glucaric acid and H <sub>2</sub> via glucose electrolysis. <i>Nature Communications</i> , 2020, 11, 265.	5.8	280
28	Catalytic degradation of ciprofloxacin by a visible-light-assisted peroxymonosulfate activation system: Performance and mechanism. <i>Water Research</i> , 2020, 173, 115559.	5.3	270
29	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.	5.3	264
30	Defective titanium dioxide single crystals exposed by high-energy {001} facets for efficient oxygen reduction. <i>Nature Communications</i> , 2015, 6, 8696.	5.8	263
31	Insight into the roles of microbial extracellular polymer substances in metal biosorption. <i>Bioresource Technology</i> , 2014, 160, 15-23.	4.8	260
32	Efficient decontamination of organic pollutants under high salinity conditions by a nonradical peroxymonosulfate activation system. <i>Water Research</i> , 2021, 191, 116799.	5.3	259
33	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.	5.3	258
34	Fouling of proton exchange membrane (PEM) deteriorates the performance of microbial fuel cell. <i>Water Research</i> , 2012, 46, 1817-1824.	5.3	254
35	Formation and Characterization of Aerobic Granules in a Sequencing Batch Reactor Treating Soybean-Processing Wastewater. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2818-2827.	4.6	249
36	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 &amp; Technology</i> , 2011, 45, 1152-1157.	4.6	248

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37	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.	6.5	241
38	Advanced nutrient removal from surface water by a consortium of attached microalgae and bacteria: A review. <i>Bioresource Technology</i> , 2017, 241, 1127-1137.	4.8	234
39	Extracellular polymeric substances of biofilms: Suffering from an identity crisis. <i>Water Research</i> , 2019, 151, 1-7.	5.3	228
40	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.	5.3	226
41	pH Dependence of Structure and Surface Properties of Microbial EPS. <i>Environmental Science &amp; Technology</i> , 2012, 46, 737-744.	4.6	225
42	Investigation on the Evolution of N-Containing Organic Compounds during Pyrolysis of Sewage Sludge. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10888-10896.	4.6	223
43	Synthesis, characterization and application of a novel starch-based flocculant with high flocculation and dewatering properties. <i>Water Research</i> , 2013, 47, 2643-2648.	5.3	222
44	Removal of antibiotic resistance genes from wastewater treatment plant effluent by coagulation. <i>Water Research</i> , 2017, 111, 204-212.	5.3	219
45	Molecular Insights into Extracellular Polymeric Substances in Activated Sludge. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7742-7750.	4.6	213
46	Induced structural changes of humic acid by exposure of polystyrene microplastics: A spectroscopic insight. <i>Environmental Pollution</i> , 2018, 233, 1-7.	3.7	211
47	Enhanced efficiency of biological excess sludge hydrolysis under anaerobic digestion by additional enzymes. <i>Bioresource Technology</i> , 2010, 101, 2924-2930.	4.8	210
48	Cathodic catalysts in bioelectrochemical systems for energy recovery from wastewater. <i>Chemical Society Reviews</i> , 2014, 43, 7718-7745.	18.7	208
49	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.	7.2	208
50	Mesoporous Carbon Stabilized MgO Nanoparticles Synthesized by Pyrolysis of MgCl <sub>2</sub> Preloaded Waste Biomass for Highly Efficient CO <sub>2</sub> Capture. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9397-9403.	4.6	204
51	Acidogenic fermentation of proteinaceous sewage sludge: Effect of pH. <i>Water Research</i> , 2012, 46, 799-807.	5.3	203
52	Response of anaerobic granular sludge to single-wall carbon nanotube exposure. <i>Water Research</i> , 2015, 70, 1-8.	5.3	201
53	Bioelectrochemical Chromium(VI) Removal in Plant-Microbial Fuel Cells. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3882-3889.	4.6	199
54	Synthesis of a Highly Efficient BiOCl Single-Crystal Nanodisk Photocatalyst with Exposing {001} Facets. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7766-7772.	4.0	196

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55	Physicochemical characteristics of microbial granules. <i>Biotechnology Advances</i> , 2009, 27, 1061-1070.	6.0	195
56	An MEC-MFC-Coupled System for Biohydrogen Production from Acetate. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8095-8100.	4.6	193
57	Increasing Poly(ethylene oxide) Stability to 4.5 V by Surface Coating of the Cathode. <i>ACS Energy Letters</i> , 2020, 5, 826-832.	8.8	192
58	Free nitrous acid serving as a pretreatment method for alkaline fermentation to enhance short-chain fatty acid production from waste activated sludge. <i>Water Research</i> , 2015, 78, 111-120.	5.3	189
59	Mechanisms of peroxymonosulfate pretreatment enhancing production of short-chain fatty acids from waste activated sludge. <i>Water Research</i> , 2019, 148, 239-249.	5.3	188
60	A Fenton-like process for the enhanced activated sludge dewatering. <i>Chemical Engineering Journal</i> , 2015, 272, 128-134.	6.6	186
61	Harvest and utilization of chemical energy in wastes by microbial fuel cells. <i>Chemical Society Reviews</i> , 2016, 45, 2847-2870.	18.7	186
62	Extraction of extracellular polymeric substances from the photosynthetic bacterium <i>Rhodospseudomonas acidophila</i> . <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 125-130.	1.7	185
63	Soluble microbial products and their implications in mixed culture biotechnology. <i>Trends in Biotechnology</i> , 2011, 29, 454-463.	4.9	184
64	The underlying mechanism of calcium peroxide pretreatment enhancing methane production from anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2019, 164, 114934.	5.3	184
65	Production of extracellular polymeric substances from <i>Rhodospseudomonas acidophila</i> in the presence of toxic substances. <i>Applied Microbiology and Biotechnology</i> , 2005, 69, 216-222.	1.7	180
66	Enhanced dewaterability of waste activated sludge by Fe(II)-activated peroxymonosulfate oxidation. <i>Bioresource Technology</i> , 2016, 206, 134-140.	4.8	179
67	Porous ZnO-Coated Co <sub>3</sub> O <sub>4</sub> Nanorod as a High-Energy-Density Supercapacitor Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23163-23173.	4.0	177
68	Enhanced arsenic removal from water by hierarchically porous CeO <sub>2</sub> @ZrO <sub>2</sub> nanospheres: Role of surface- and structure-dependent properties. <i>Journal of Hazardous Materials</i> , 2013, 260, 498-507.	6.5	174
69	Selenite reduction by <i>Shewanella oneidensis</i> MR-1 is mediated by fumarate reductase in periplasm. <i>Scientific Reports</i> , 2014, 4, 3735.	1.6	174
70	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 &amp; Technology</i> , 2014, 48, 13951-13959.	4.6	173
71	Photo-reduction of bromate in drinking water by metallic Ag and reduced graphene oxide (RGO) jointly modified BiVO <sub>4</sub> under visible light irradiation. <i>Water Research</i> , 2016, 101, 555-563.	5.3	170
72	Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> nanosheets with controllable thickness for visible-light-driven catalytic degradation of tetracycline hydrochloride. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 615-623.	10.8	169

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73	Phosphorus Removal in an Enhanced Biological Phosphorus Removal Process: Roles of Extracellular Polymeric Substances. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11482-11489.	4.6	167
74	Two-Dimensional Correlation Spectroscopic Analysis on the Interaction between Humic Acids and TiO <sub>2</sub> Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11119-11126.	4.6	166
75	Ternary FeNiS <sub>2</sub> ultrathin nanosheets as an electrocatalyst for both oxygen evolution and reduction reactions. <i>Nano Energy</i> , 2016, 27, 526-534.	8.2	166
76	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.	5.3	163
77	Development of a Novel Bioelectrochemical Membrane Reactor for Wastewater Treatment. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9256-9261.	4.6	163
78	Free ammonia enhances dark fermentative hydrogen production from waste activated sludge. <i>Water Research</i> , 2018, 133, 272-281.	5.3	163
79	Identification and quantification of anammox bacteria in eight nitrogen removal reactors. <i>Water Research</i> , 2010, 44, 5014-5020.	5.3	161
80	Novel Bi <sub>12</sub> O <sub>15</sub> Cl <sub>6</sub> Photocatalyst for the Degradation of Bisphenol A under Visible-Light Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5320-5326.	4.0	161
81	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.	5.3	159
82	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.	10.8	158
83	Stimulating sediment bioremediation with benthic microbial fuel cells. <i>Biotechnology Advances</i> , 2015, 33, 1-12.	6.0	157
84	Understanding and mitigating the toxicity of cadmium to the anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 124, 269-279.	5.3	157
85	Understanding the impact of cationic polyacrylamide on anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2018, 130, 281-290.	5.3	156
86	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.	5.3	153
87	A microbial fuel cell-membrane bioreactor integrated system for cost-effective wastewater treatment. <i>Applied Energy</i> , 2012, 98, 230-235.	5.1	153
88	Catalytic Asymmetric Electrochemical Oxidative Coupling of Tertiary Amines with Simple Ketones. <i>Organic Letters</i> , 2017, 19, 2122-2125.	2.4	153
89	Evaluation of three methods for enriching H <sub>2</sub> -producing cultures from anaerobic sludge. <i>Enzyme and Microbial Technology</i> , 2007, 40, 947-953.	1.6	151
90	Characterization of adsorption properties of extracellular polymeric substances (EPS) extracted from sludge. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 83-90.	2.5	151

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91	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.	3.9	151
92	Characterizing Properties and Environmental Behaviors of Dissolved Organic Matter Using Two-Dimensional Correlation Spectroscopic Analysis. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4683-4694.	4.6	151
93	Kinetic modeling of batch hydrogen production process by mixed anaerobic cultures. <i>Bioresource Technology</i> , 2006, 97, 1302-1307.	4.8	150
94	Calcium spatial distribution in aerobic granules and its effects on granule structure, strength and bioactivity. <i>Water Research</i> , 2008, 42, 3343-3352.	5.3	150
95	Triclocarban enhances short-chain fatty acids production from anaerobic fermentation of waste activated sludge. <i>Water Research</i> , 2017, 127, 150-161.	5.3	150
96	Photocatalytic degradation of atrazine by boron-doped TiO <sub>2</sub> with a tunable rutile/anatase ratio. <i>Applied Catalysis B: Environmental</i> , 2016, 195, 69-76.	10.8	142
97	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 &amp; Technology</i> , 2017, 51, 5082-5089.	4.6	141
98	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.	3.8	140
99	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.	5.3	139
100	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.	5.3	138
101	Selectively Improving the Bio-Oil Quality by Catalytic Fast Pyrolysis of Heavy-Metal-Polluted Biomass: Take Copper (Cu) as an Example. <i>Environmental Science &amp; Technology</i> , 2012, 46, 7849-7856.	4.6	138
102	A kinetic approach to anaerobic hydrogen-producing process. <i>Water Research</i> , 2007, 41, 1152-1160.	5.3	137
103	Microbe-Assisted Sulfide Oxidation in the Anode of a Microbial Fuel Cell. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3372-3377.	4.6	137
104	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.	4.2	137
105	Free nitrous acid promotes hydrogen production from dark fermentation of waste activated sludge. <i>Water Research</i> , 2018, 145, 113-124.	5.3	137
106	Aged refuse enhances anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2017, 123, 724-733.	5.3	136
107	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.	4.6	135
108	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.	6.5	134

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109	Photocatalytic degradation of bisphenol A by oxygen-rich and highly visible-light responsive Bi <sub>2</sub> O <sub>3</sub> /ZnO nanobelts. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 659-665.	10.8	134
110	Identification of Fenton-like active Cu sites by heteroatom modulation of electronic density. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	132
111	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.	1.4	131
112	Probing the secondary structure of bovine serum albumin during heat-induced denaturation using mid-infrared fiberoptic sensors. <i>Analyst</i> , 2015, 140, 765-770.	1.7	128
113	Stability of sludge flocs under shear conditions: Roles of extracellular polymeric substances (EPS). <i>Biotechnology and Bioengineering</i> , 2006, 93, 1095-1102.	1.7	127
114	From wastewater to bioenergy and biochemicals via two-stage bioconversion processes: A future paradigm. <i>Biotechnology Advances</i> , 2011, 29, 972-982.	6.0	125
115	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.	6.5	124
116	Sustainable production of value-added carbon nanomaterials from biomass pyrolysis. <i>Nature Sustainability</i> , 2020, 3, 753-760.	11.5	124
117	Potential impact of salinity on methane production from food waste anaerobic digestion. <i>Waste Management</i> , 2017, 67, 308-314.	3.7	123
118	Response surface methodological analysis on biohydrogen production by enriched anaerobic cultures. <i>Enzyme and Microbial Technology</i> , 2006, 38, 905-913.	1.6	121
119	Effects of temperature and substrate concentration on biological hydrogen production from starch. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2558-2566.	3.8	121
120	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. <i>Water Research</i> , 2021, 193, 116881.	5.3	121
121	Fractionating soluble microbial products in the activated sludge process. <i>Water Research</i> , 2010, 44, 2292-2302.	5.3	120
122	Facile synthesis of In <sub>2</sub> S <sub>3</sub> /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.	5.0	120
123	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.	1.7	118
124	Efficient electrochemical CO <sub>2</sub> reduction on a unique chrysanthemum-like Cu nanoflower electrode and direct observation of carbon deposit. <i>Electrochimica Acta</i> , 2014, 139, 137-144.	2.6	118
125	Conductive Carbon Nanotube Hydrogel as a Bioanode for Enhanced Microbial Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8158-8164.	4.0	118
126	Kinetic analysis of an anaerobic filter treating soybean wastewater. <i>Water Research</i> , 1998, 32, 3341-3352.	5.3	117



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127	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.	4.8	117
128	Simultaneous nanocatalytic surface activation of pollutants and oxidants for highly efficient water decontamination. <i>Nature Communications</i> , 2022, 13, .	5.8	117
129	Graphene oxide nanoribbons greatly enhance extracellular electron transfer in bio-electrochemical systems. <i>Chemical Communications</i> , 2011, 47, 5795.	2.2	116
130	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.	15.6	116
131	Electron acceptors for energy generation in microbial fuel cells fed with wastewaters: A mini-review. <i>Chemosphere</i> , 2015, 140, 12-17.	4.2	116
132	Characterizing the extracellular and intracellular fluorescent products of activated sludge in a sequencing batch reactor. <i>Water Research</i> , 2008, 42, 3173-3181.	5.3	115
133	DLVO Approach to the Flocculability of a Photosynthetic H <sub>2</sub> -Producing Bacterium, <i>Rhodospseudomonas acidophila</i> . <i>Environmental Science &amp; Technology</i> , 2007, 41, 4620-4625.	4.6	114
134	Optimizing operation of municipal wastewater treatment plants in China: The remaining barriers and future implications. <i>Environment International</i> , 2019, 129, 273-278.	4.8	114
135	Quantification of the interactions between Ca <sup>2+</sup> , Hg <sup>2+</sup> and extracellular polymeric substances (EPS) of sludge. <i>Chemosphere</i> , 2013, 93, 1436-1441.	4.2	112
136	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.	5.3	110
137	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.	1.7	109
138	Efficient Electrochemical Reduction of Nitrobenzene by Defect-Engineered TiO <sub>2</sub> Single Crystals. <i>Environmental Science &amp; Technology</i> , 2016, 50, 5234-5242.	4.6	109
139	Anaerobic biodecolorization mechanism of methyl orange by <i>Shewanella oneidensis</i> MR-1. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1769-1776.	1.7	107
140	Nitrate formation from atmospheric nitrogen and oxygen photocatalysed by nano-sized titanium dioxide. <i>Nature Communications</i> , 2013, 4, 2249.	5.8	107
141	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.	4.0	105
142	Novel Bi <sup>3+</sup> -Doped Amorphous SnO <sub>2</sub> Nanoshells for Efficient Electrochemical CO <sub>2</sub> Reduction into Formate at Low Overpotentials. <i>Advanced Materials</i> , 2020, 32, e2002822.	11.1	104
143	Roles of extracellular polymeric substances in enhanced biological phosphorus removal process. <i>Water Research</i> , 2015, 86, 85-95.	5.3	103
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