

Han-Qing Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

655
papers

39,522
citations

105
h-index

162
g-index

681
ext. papers

47,607
ext. citations

10
avg, IF

8.09
L-index

#	Paper	IF	Citations
655	Evaluating the effect of diclofenac on hydrogen production by anaerobic fermentation of waste activated sludge.. <i>Journal of Environmental Management</i> , 2022 , 308, 114641	7.9	0
654	2D/2D FeNi-layered double hydroxide/bimetal-MOFs nanosheets for enhanced photo-Fenton degradation of antibiotics: Performance and synergetic degradation mechanism. <i>Chemosphere</i> , 2022 , 287, 132061	8.4	7
653	In-situ regeneration of tetracycline-saturated hierarchical porous carbon by peroxydisulfate oxidation process: Performance, mechanism and application. <i>Chemical Engineering Journal</i> , 2022 , 427, 131749	14.7	3
652	Revealing the mechanisms of rhamnolipid enhanced hydrogen production from dark fermentation of waste activated sludge. <i>Science of the Total Environment</i> , 2022 , 806, 150347	10.2	3
651	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,	11.5	22
650	Unexpected role of electron-transfer hub in direct degradation of pollutants by exoelectrogenic bacteria.. <i>Environmental Microbiology</i> , 2022 ,	5.2	1
649	Zirconium-modified biochar as the efficient adsorbent for low-concentration phosphate: performance and mechanism.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
648	In-situ quantitative monitoring the organic contaminants uptake onto suspended microplastics in aquatic environments.. <i>Water Research</i> , 2022 , 215, 118235	12.5	0
647	Hospital sewage treatment facilities witness the fighting against the COVID-19 pandemic.. <i>Journal of Environmental Management</i> , 2022 , 309, 114728	7.9	0
646	Thermochemical Conversion of Lignocellulosic Biomass into Mass-Produced Fuels: Emerging Technology Progress and Environmental Sustainability Evaluation. <i>ACS Environmental Au</i> , 2022 , 2, 98-114		0
645	Sulfide enhances the Fe(II)/Fe(III) cycle in Fe(III)-peroxymonosulfate system for rapid removal of organic contaminants: Treatment efficiency, kinetics and mechanism.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128970	12.8	0
644	Semi-quantitative probing of reactive oxygen species in persulfate-based heterogeneous catalytic oxidation systems for elucidating the reaction mechanism. <i>Chemical Engineering Journal</i> , 2022 , 446, 137237	14.7	0
643	Peroxymonosulfate (PMS) activation by mackinawite for the degradation of organic pollutants: Underappreciated role of dissolved sulfur derivatives. <i>Science of the Total Environment</i> , 2021 , 811, 151421	10.2	4
642	Controlling pathogenic risks of water treatment biotechnologies at the source by genetic editing means. <i>Environmental Microbiology</i> , 2021 ,	5.2	2
641	How Does Chitosan Affect Methane Production in Anaerobic Digestion?. <i>Environmental Science & Technology</i> , 2021 , 55, 15843-15852	10.3	10
640	Nondestructive 3D imaging and quantification of hydrated biofilm matrix by confocal Raman microscopy coupled with non-negative matrix factorization.. <i>Water Research</i> , 2021 , 210, 117973	12.5	1
639	Edge electronic vacancy on ultrathin carbon nitride nanosheets anchoring O ₂ to boost H ₂ O ₂ photoproduction. <i>Applied Catalysis B: Environmental</i> , 2021 , 302, 120845	21.8	6

638	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	2.3	3
637	Efficient decontamination of organic pollutants under high salinity conditions by a nonradical peroxymonosulfate activation system. <i>Water Research</i> , 2021 , 191, 116799	12.5	61
636	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		1
635	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	9.5	9
634	Highly selective electrochemical nitrate reduction using copper phosphide self-supported copper foam electrode: Performance, mechanism, and application. <i>Water Research</i> , 2021 , 193, 116881	12.5	33
633	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		2
632	Intracellular Hybrid Biosystem in a Protozoan to Trigger Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19846-19854	9.5	0
631	Interface-Promoted Direct Oxidation of -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	10.3	8
630	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	12.8	2
629	Understanding the interaction between triclocarban and denitrifiers. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123343	12.8	8
628	Efficient degradation of bisphenol A via peroxydisulfate activation using in-situ N-doped carbon nanoparticles: Structure-function relationship and reaction mechanism. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 551-562	9.3	22
627	Dependence of arsenic resistance and reduction capacity of <i>Aeromonas hydrophila</i> on carbon substrate. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123611	12.8	6
626	A critical review on the mechanisms of persulfate activation by iron-based materials: Clarifying some ambiguity and controversies. <i>Chemical Engineering Journal</i> , 2021 , 407, 127078	14.7	33
625	Electro-assisted autohydrogenotrophic reduction of perchlorate and microbial community in a dual-chamber biofilm-electrode reactor. <i>Chemosphere</i> , 2021 , 264, 128548	8.4	3
624	Mechanistic insights into the effect of poly ferric sulfate on anaerobic digestion of waste activated sludge. <i>Water Research</i> , 2021 , 189, 116645	12.5	43
623	TiO photoexcitation promoted horizontal transfer of resistance genes mediated by phage transduction. <i>Science of the Total Environment</i> , 2021 , 760, 144040	10.2	6
622	Anaerobic reduction of high-polarity nitroaromatic compounds by electrochemically active bacteria: Roles of Mtr respiratory pathway, molecular polarity, mediator and membrane permeability. <i>Environmental Pollution</i> , 2021 , 268, 115943	9.3	4
621	Advances in the characterization and monitoring of natural organic matter using spectroscopic approaches. <i>Water Research</i> , 2021 , 190, 116759	12.5	28

620	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	12.5	40
619	Understanding the mechanism of how anaerobic fermentation deteriorates sludge dewaterability. <i>Chemical Engineering Journal</i> , 2021 , 404, 127026	14.7	18
618	Rapid and highly efficient genomic engineering with a novel iEditing device for programming versatile extracellular electron transfer of electroactive bacteria. <i>Environmental Microbiology</i> , 2021 , 23, 1238-1255	5.2	4
617	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	13	11
616	Density Functional Theory Investigation into the Effects of Dissolved Organic Matter on H2O2 Activation over γ -Fe2O3 (001) Surfaces. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 8508-8517	3.8	4
615	Tonalide facilitates methane production from anaerobic digestion of waste activated sludge. <i>Science of the Total Environment</i> , 2021 , 779, 146195	10.2	2
614	Iron Cycle Tuned by Outer-Membrane Cytochromes of Dissimilatory Metal-Reducing Bacteria: Interfacial Dynamics and Mechanisms In Vitro. <i>Environmental Science & Technology</i> , 2021 ,	10.3	3
613	Digestion liquid based alkaline pretreatment of waste activated sludge promotes methane production from anaerobic digestion. <i>Water Research</i> , 2021 , 199, 117198	12.5	26
612	Sequestosome 1/p62: A multitasker in the regulation of malignant tumor aggression (Review). <i>International Journal of Oncology</i> , 2021 , 59,	4.4	3
611	Cation-Induced surface cleavage of organic pollutants with OH formation from HO for water treatment. <i>IScience</i> , 2021 , 24, 102874	6.1	6
610	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	10.2	4
609	Plate-Based Kinetic Fluorescence Tests for High-Throughput Screening of Electrochemically Active Bacteria. <i>ACS ES&T Water</i> , 2021 , 1, 2139-2145		0
608	Enhanced Bioreduction of Radionuclides by Driving Microbial Extracellular Electron Pumping with an Engineered CRISPR Platform. <i>Environmental Science & Technology</i> , 2021 , 55, 11997-12008	10.3	1
607	Constructing N, P-dually doped biochar materials from biomass wastes for high-performance bifunctional oxygen electrocatalysts. <i>Chemosphere</i> , 2021 , 278, 130508	8.4	11
606	Quantitative Coassembly for Precise Synthesis of Mesoporous Nanospheres with Pore Structure-Dependent Catalytic Performance. <i>Advanced Materials</i> , 2021 , 33, e2103130	24	1
605	Enhancing methane production from anaerobic digestion of waste activated sludge with addition of sodium lauroyl sarcosinate. <i>Bioresource Technology</i> , 2021 , 336, 125321	11	2
604	Adopting vibration to alleviate the solute buildup and membrane fouling in a forward osmosis system. <i>Journal of Cleaner Production</i> , 2021 , 129202	10.3	1
603	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	4.9	0

602	In-depth research on percarbonate expediting zero-valent iron corrosion for conditioning anaerobically digested sludge. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126389	12.8	4
601	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	6.4	18
600	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	4.7	0
599	Unexpected alleviation of transparent exopolymer particles-associated membrane fouling through interaction with typical organic foulants. <i>Journal of Membrane Science</i> , 2021 , 636, 119554	9.6	2
598	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	10.2	8
597	Photocatalytic degradation of tetracycline by metal-organic frameworks modified with BiWO nanosheet under direct sunlight. <i>Chemosphere</i> , 2021 , 284, 131386	8.4	15
596	Enhancing Fenton-like catalytic efficiency of Bi ₂ WO ₆ by iodine doping for pollutant degradation. <i>Separation and Purification Technology</i> , 2021 , 277, 119447	8.3	2
595	Integrating single-cobalt-site and electric field of boron nitride in dechlorination electrocatalysts by bioinspired design. <i>Nature Communications</i> , 2021 , 12, 303	17.4	27
594	Reusing Sulfur-Poisoned Palladium Waste as a Highly Active, Nonradical Fenton-like Catalyst for Selective Degradation of Phenolic Pollutants.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	1
593	The fate and impact of TCC in nitrifying cultures. <i>Water Research</i> , 2020 , 178, 115851	12.5	19
592	Sustainable production of value-added carbon nanomaterials from biomass pyrolysis. <i>Nature Sustainability</i> , 2020 , 3, 753-760	22.1	51
591	Molecular Insights into Extracellular Polymeric Substances in Activated Sludge. <i>Environmental Science & Technology</i> , 2020 , 54, 7742-7750	10.3	78
590	Performance and Mechanism of Potassium Ferrate(VI) Enhancing Dark Fermentative Hydrogen Accumulation from Waste Activated Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8681-8691	8.3	12
589	Longer persistence of quorum quenching bacteria over quorum sensing bacteria in aerobic granules. <i>Water Research</i> , 2020 , 179, 115904	12.5	4
588	Electron transfer via the non-Mtr respiratory pathway from <i>Shewanella putrefaciens</i> CN-32 for methyl orange bioreduction. <i>Process Biochemistry</i> , 2020 , 95, 108-114	4.8	2
587	Enhanced full solar spectrum photocatalysis by nitrogen-doped graphene quantum dots decorated BiO ₂ -x nanosheets: Ultrafast charge transfer and molecular oxygen activation. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119218	21.8	33
586	Probing protein-induced membrane fouling with in-situ attenuated total reflectance fourier transform infrared spectroscopy and multivariate curve resolution-alternating least squares. <i>Water Research</i> , 2020 , 183, 116052	12.5	6
585	Pb(II) Adsorption by Nano-Goethite Loaded with Chestnut Shell Pigment. <i>Emerging Materials Research</i> , 2020 , 9, 1-10	1.4	0

584	Selective electrochemical CO ₂ reduction on Cu-Pd heterostructure. <i>Applied Catalysis B: Environmental</i> , 2020 , 270, 118864	21.8	43
583	Deteriorated biofilm-forming capacity and electroactivity of <i>Shewanella oneidnsis</i> MR-1 induced by insertion sequence (IS) elements. <i>Biosensors and Bioelectronics</i> , 2020 , 156, 112136	11.8	5
582	Probing Microbial Extracellular Respiration Ability Using Riboflavin. <i>Analytical Chemistry</i> , 2020 , 92, 10606-10618	10.6	18
581	Stable Electrochemical Determination of Dopamine by a Fluorine-Terminated {001}-Exposed TiO Single Crystal Sensor. <i>Analytical Chemistry</i> , 2020 , 92, 9629-9639	7.8	7
580	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). <i>Chemosphere</i> , 2020 , 260, 127537	8.4	42
579	Fluorescence Sensor Based on Biosynthetic CdSe/CdS Quantum Dots and Liposome Carrier Signal Amplification for Mercury Detection. <i>Analytical Chemistry</i> , 2020 , 92, 3990-3997	7.8	40
578	Rediverting Electron Flux with an Engineered CRISPR-ddAsCpf1 System to Enhance the Pollutant Degradation Capacity of. <i>Environmental Science & Technology</i> , 2020 , 54, 3599-3608	10.3	18
577	Norfloxacin-induced effect on enhanced biological phosphorus removal from wastewater after long-term exposure. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122336	12.8	13
576	Increasing Poly(ethylene oxide) Stability to 4.5 V by Surface Coating of the Cathode. <i>ACS Energy Letters</i> , 2020 , 5, 826-832	20.1	91
575	Promoting bidirectional extracellular electron transfer of <i>Shewanella oneidensis</i> MR-1 for hexavalent chromium reduction via elevating intracellular cAMP level. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 1294-1303	4.9	22
574	Efficient electrochemical production of glucaric acid and H via glucose electrolysis. <i>Nature Communications</i> , 2020 , 11, 265	17.4	93
573	Effect of citric acid on extracellular polymeric substances disruption and cell lysis in the waste activated sludge by pH regulation. <i>Bioresource Technology</i> , 2020 , 302, 122859	11	15
572	Developing a base-editing system to expand the carbon source utilization spectra of <i>Shewanella oneidensis</i> MR-1 for enhanced pollutant degradation. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 2389-2400	4.9	10
571	Modified MIL-100(Fe) for enhanced photocatalytic degradation of tetracycline under visible-light irradiation. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 364-376	9.3	58
570	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	12.8	22
569	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	21.8	42
568	Enhanced dewaterability of anaerobically digested sludge by in-situ free nitrous acid treatment. <i>Water Research</i> , 2020 , 169, 115264	12.5	38
567	Interaction between perfluorooctanoic acid and aerobic granular sludge. <i>Water Research</i> , 2020 , 169, 115249	12.5	34

566	Denitrification with non-organic electron donor for treating low C/N ratio wastewaters. <i>Bioresource Technology</i> , 2020 , 299, 122686	11	38
565	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	10.2	21
564	Exclusive microbially driven autotrophic iron-dependent denitrification in a reactor inoculated with activated sludge. <i>Water Research</i> , 2020 , 170, 115300	12.5	40
563	The inhibitory effect of thiosulfinate 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	11	9
562	Bio-coal: A renewable and massively producible fuel from lignocellulosic biomass. <i>Science Advances</i> , 2020 , 6, eaay0748	14.3	32
561	Heterogeneous activation of persulfate by Ag doped BiFeO composites for tetracycline degradation. <i>Journal of Colloid and Interface Science</i> , 2020 , 566, 33-45	9.3	33
560	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	10.2	10
559	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	11	20
558	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	7.8	14
557	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	4.9	15
556	Enhancement of short-chain fatty acids production from microalgae by potassium ferrate addition: Feasibility, mechanisms and implications. <i>Bioresource Technology</i> , 2020 , 318, 124266	11	21
555	Hierarchically porous biochar for supercapacitor and electrochemical H ₂ O ₂ production. <i>Chemical Engineering Journal</i> , 2020 , 402, 126171	14.7	24
554	Catalytic degradation of ciprofloxacin by a visible-light-assisted peroxymonosulfate activation system: Performance and mechanism. <i>Water Research</i> , 2020 , 173, 115559	12.5	110
553	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	11.5	10
552	Phosphate-Suppressed Selenite Biotransformation by. <i>Environmental Science & Technology</i> , 2020 , 54, 10713-10721	10.3	5
551	Microbial electrochemical production of energy and value-added chemicals from agri-food wastewater 2020 , 355-372		
550	Novel Bi-Doped Amorphous SnO Nanoshells for Efficient Electrochemical CO Reduction into Formate at Low Overpotentials. <i>Advanced Materials</i> , 2020 , 32, e2002822	24	47
549	Molecular mechanisms of microbial transmembrane electron transfer of electrochemically active bacteria. <i>Current Opinion in Chemical Biology</i> , 2020 , 59, 104-110	9.7	10

548	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	12.5	22
547	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	5.1	51
546	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	16.2	7
545	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	11	37
544	Iron-assisted biological wastewater treatment: Synergistic effect between iron and microbes. <i>Biotechnology Advances</i> , 2020 , 44, 107610	17.8	28
543	Phosphorus Recovery from Wastewater Prominently through a Fe(II)-P Oxidizing Pathway in the Autotrophic Iron-Dependent Denitrification Process. <i>Environmental Science & Technology</i> , 2020 , 54, 11576-11583	10.3	8
542	Developing a population-state decision system for intelligently reprogramming extracellular electron transfer in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23001-23010	11.5	8
541	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	2.6	7
540	Optimizing sludge dewatering with a combined conditioner of Fenton [®] reagent and cationic surfactant. <i>Journal of Environmental Sciences</i> , 2020 , 88, 21-30	6.4	20
539	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	12.8	19
538	Degradation of benzoic acid in an advanced oxidation process: The effects of reducing agents. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121090	12.8	49
537	Simultaneous evaluation of bioactivity and settleability of activated sludge using fractal dimension as an intermediate variable. <i>Water Research</i> , 2020 , 178, 115834	12.5	11
536	Raman micro-spectroscopy monitoring of cytochrome c redox state in <i>Candida utilis</i> during cell death under low-temperature plasma-induced oxidative stress. <i>Analyst, The</i> , 2020 , 145, 3922-3930	5	5
535	Determination of Saccharides in Environments Using a Sulfuric Acid-Fluorescence Approach. <i>Environmental Science & Technology</i> , 2020 , 54, 6632-6638	10.3	1
534	Impacts of environmental factors on AHL-producing and AHL-quenching activities of aerobic granules. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 9181-9189	5.7	5
533	Evaluating the effect of biochar on mesophilic anaerobic digestion of waste activated sludge and microbial diversity. <i>Bioresource Technology</i> , 2019 , 294, 122235	11	29
532	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	13.9	33
531	Effect of poly aluminum chloride on dark fermentative hydrogen accumulation from waste activated sludge. <i>Water Research</i> , 2019 , 153, 217-228	12.5	67

530	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	11	16
529	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	11	29
528	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	10.2	81
527	Potential regulates metabolism and extracellular respiration of electroactive <i>Geobacter</i> biofilm. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 961-971	4.9	9
526	One-way and two-way shape memory effects of a high-strain cis-1,4-polybutadiene-polyethylene copolymer based dynamic network via self-complementary quadruple hydrogen bonding. <i>Polymer Chemistry</i> , 2019 , 10, 718-726	4.9	19
525	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	12.9	46
524	Nitrate addition improves hydrogen production from acidic fermentation of waste activated sludge. <i>Chemosphere</i> , 2019 , 235, 814-824	8.4	9
523	Optimizing operation of municipal wastewater treatment plants in China: The remaining barriers and future implications. <i>Environment International</i> , 2019 , 129, 273-278	12.9	60
522	Effect of clarithromycin on the production of volatile fatty acids from waste activated sludge anaerobic fermentation. <i>Bioresource Technology</i> , 2019 , 288, 121598	11	30
521	Photochemical Protection of Reactive Sites on Defective TiO Surface for Electrochemical Water Treatment. <i>Environmental Science & Technology</i> , 2019 , 53, 7641-7652	10.3	11
520	Enhanced ciprofloxacin removal by sludge-derived biochar: Effect of humic acid. <i>Chemosphere</i> , 2019 , 231, 495-501	8.4	29
519	Biogenic Quantum Dots for Sensitive, Label-Free Detection of Mercury Ions.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2661-2667	4.1	12
518	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	10.3	43
517	Characterizing Properties and Environmental Behaviors of Dissolved Organic Matter Using Two-Dimensional Correlation Spectroscopic Analysis. <i>Environmental Science & Technology</i> , 2019 , 53, 4683-4694	10.3	72
516	Emerging applications of biochar-based materials for energy storage and conversion. <i>Energy and Environmental Science</i> , 2019 , 12, 1751-1779	35.4	265
515	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	9.3	22
514	Biological perchlorate reduction: which electron donor we can choose?. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 16906-16922	5.1	8
513	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	11	17

512	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	12.5	18
511	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	5.1	3
510	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	5.1	50
509	Heat pretreatment assists free ammonia to enhance hydrogen production from waste activated sludge. <i>Bioresource Technology</i> , 2019 , 283, 316-325	11	45
508	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	11.2	150
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