

Spyros G Pavlostathis

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.

253
papers

8,239
citations

51
h-index

78
g-index

260
ext. papers

9,769
ext. citations

8.3
avg, IF

6.58
L-index

#	Paper	IF	Citations
253	Tuning the Sb(V) adsorption performance of La-MOFs via ligand engineering effect: Combined experiments with theoretical calculations. <i>Chemical Engineering Journal</i> , 2022 , 435, 134874	14.7	0
252	Anaerobic co-digestion of municipal sludge with fat-oil-grease (FOG) enhances the destruction of sludge solids.. <i>Chemosphere</i> , 2022 , 133530	8.4	1
251	Resourceful treatment of harsh high-nitrogen rare earth element tailings (REEs) wastewater by carbonate activated Chlorococcum sp. microalgae. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127000	12.8	6
250	Corrected response surface methodology for microalgae towards optimized ammonia nitrogen removal: A case of rare earth mining tailings wastewater in Southern Jiangxi, China. <i>Journal of Cleaner Production</i> , 2022 , 343, 130998	10.3	4
249	Long-term evaluation of the effect of peracetic acid solution on anaerobic wastewater treatment: Process performance and microbial community structure. <i>Chemical Engineering Journal</i> , 2022 , 436, 135262	14.7	0
248	New insight into ammonium oxidation processes and mechanisms mediated by manganese oxide in constructed wetlands.. <i>Water Research</i> , 2022 , 215, 118251	12.5	0
247	The ins and outs of photo-assisted microbial electrochemical systems for synchronous wastewater treatment and bioenergy recovery. <i>Resources, Conservation and Recycling</i> , 2022 , 181, 106230	11.9	0
246	Enhancing nitrogen removal in mature landfill leachate by mixed microalgae through elimination of inhibiting factors.. <i>Science of the Total Environment</i> , 2022 , 828, 154530	10.2	1
245	Perfluorinated conjugated microporous polymer for targeted capture of Ag(I) from contaminated water.. <i>Environmental Research</i> , 2022 , 113007	7.9	0
244	Is the role of aerobic methanotrophs underestimated in methane oxidation under hypoxic conditions?. <i>Science of the Total Environment</i> , 2022 , 155244	10.2	0
243	Effect of peracetic acid solution on a nitrifying culture: Kinetics, inhibition, cellular and transcriptional responses.. <i>Water Research</i> , 2022 , 219, 118543	12.5	1
242	Effect of tetracycline on bio-electrochemically assisted anaerobic methanogenic systems: Process performance, microbial community structure, and functional genes.. <i>Science of the Total Environment</i> , 2022 , 837, 155756	10.2	4
241	Evaluation of the effect of peracetic acid solution on the performance of a continuous-flow biological nitrogen removal (BNR) system. <i>Chemical Engineering Journal</i> , 2021 , 431, 133340	14.7	0
240	Critical strategies for recycling process of graphite from spent lithium-ion batteries: A review. <i>Science of the Total Environment</i> , 2021 , 151621	10.2	3
239	Selective removal and recovery of La(III) using a phosphonic-based ion imprinted polymer: Adsorption performance, regeneration, and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106701	6.8	3
238	Comparative assessment of pre- and inter-stage hydrothermal treatment of municipal sludge for increased methane production. <i>Water Environment Research</i> , 2021 , 93, 1126-1137	2.8	3
237	Enhancing nitrate removal from wastewater by integrating heterotrophic and autotrophic denitrification coupled manganese oxidation process (IHAD-MnO): Internal carbon utilization performance. <i>Environmental Research</i> , 2021 , 194, 110744	7.9	5

236	Exploring simultaneous nitrous oxide and methane sink in wetland sediments under anoxic conditions. <i>Water Research</i> , 2021 , 194, 116958	12.5	9
235	Progress toward Hydrogels in Removing Heavy Metals from Water: Problems and Solutions Review. <i>ACS ES&T Water</i> , 2021 , 1, 1098-1116		8
234	A comparative study on biogas production, energy balance, and nutrients conversion with inter-stage hydrothermal treatment of sewage sludge. <i>Applied Energy</i> , 2021 , 288, 116669	10.7	2
233	Long-term evaluation of the effect of peracetic acid on a mixed anoxic culture: Organic matter degradation, denitrification, and microbial community structure. <i>Chemical Engineering Journal</i> , 2021 , 411, 128447	14.7	10
232	Effect of Prestage Hydrothermal Treatment on the Formation of Struvite vs Vivianite during Semicontinuous Anaerobic Digestion of Sewage Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9093-9105	8.3	2
231	A critical review of the recovery of rare earth elements from wastewater by algae for resources recycling technologies. <i>Resources, Conservation and Recycling</i> , 2021 , 169, 105519	11.9	20
230	Electrochemical approach toward reduced graphene oxide-based electrodes for environmental applications: A review. <i>Science of the Total Environment</i> , 2021 , 778, 146301	10.2	11
229	Electrochemical recovery and high value-added reutilization of heavy metal ions from wastewater: Recent advances and future trends. <i>Environment International</i> , 2021 , 152, 106512	12.9	18
228	Weak electric field enabling enhanced selectivity of tannic acid-graphene aerogels for Pb ²⁺ harvesting from wastewater. <i>Chemical Engineering Journal</i> , 2021 , 416, 129144	14.7	7
227	Hydrogen sulfide affects the performance of a methanogenic bioelectrochemical system used for biogas upgrading. <i>Water Research</i> , 2021 , 200, 117268	12.5	4
226	Specific spatial transfer PdCl ₄ ²⁻ to [X-Pd-Y] by strong coordination interaction in a 3D palladium ion-imprinted polymer with footprint cavity. <i>Chemical Engineering Journal</i> , 2021 , 405, 126613	14.7	5
225	Rationally designed conjugated microporous polymers for contaminants adsorption. <i>Science of the Total Environment</i> , 2021 , 750, 141683	10.2	19
224	Effect of sulfamethoxazole and oxytetracycline on enhanced biological phosphorus removal and bacterial community structure. <i>Bioresource Technology</i> , 2021 , 319, 124067	11	3
223	Long-term evaluation of the effect of peracetic acid on a mixed aerobic culture: Organic matter degradation, nitrification, and microbial community structure. <i>Water Research</i> , 2021 , 190, 116694	12.5	13
222	Hydrothermal pretreatment of sewage sludge for enhanced anaerobic digestion: Resource transformation and energy balance. <i>Chemical Engineering Journal</i> , 2021 , 410, 127430	14.7	12
221	Tetracycline inhibition and transformation in microbial fuel cell systems: Performance, transformation intermediates, and microbial community structure. <i>Bioresource Technology</i> , 2021 , 322, 124534	11	12
220	Biotransformation of 4-Hydroxybenzoic Acid under Nitrate-Reducing Conditions in a MEC Bioanode. <i>Environmental Science & Technology</i> , 2021 , 55, 2067-2075	10.3	4
219	High exposure effect of the adsorption site significantly enhanced the adsorption capacity and removal rate: A case of adsorption of hexavalent chromium by quaternary ammonium polymers (QAPs). <i>Journal of Hazardous Materials</i> , 2021 , 416, 125829	12.8	9

218	Tandem type PRBs-like technology implanted with targeted functional materials for efficient resourceful treatment of heavy metal ions from mining wastewater. <i>Chemical Engineering Journal</i> , 2021 , 420, 130506	14.7	4
217	Conducting polymer hydrogels as a sustainable platform for advanced energy, biomedical and environmental applications. <i>Science of the Total Environment</i> , 2021 , 786, 147430	10.2	6
216	Insights into the role of cross-linking agents on polymer template effect: A case study of anionic imprinted polymers. <i>Chemical Engineering Journal</i> , 2021 , 420, 129611	14.7	10
215	New insights in correlating greenhouse gas emissions and microbial carbon and nitrogen transformations in wetland sediments based on genomic and functional analysis. <i>Journal of Environmental Management</i> , 2021 , 297, 113280	7.9	4
214	Transformation and Mobility of Cu, Zn, and Cr in Sewage Sludge during Anaerobic Digestion with Pre- or Interstage Hydrothermal Treatment. <i>Environmental Science & Technology</i> , 2021 , 55, 1615-1625	10.3	10
213	Coevolution of Iron, Phosphorus, and Sulfur Speciation during Anaerobic Digestion with Hydrothermal Pretreatment of Sewage Sludge. <i>Environmental Science & Technology</i> , 2020 , 54, 8362-8372	10.3	22
212	Comparison of Carbon Dioxide with Anaerobic Digester Biogas as a Methanogenic Biocathode Feedstock. <i>Environmental Science & Technology</i> , 2020 , 54, 8949-8957	10.3	5
211	Design and synthesis of robust Z-scheme ZnS-SnS n-n heterojunctions for highly efficient degradation of pharmaceutical pollutants: Performance, valence/conduction band offset photocatalytic mechanisms and toxicity evaluation. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122345	12.8	61
210	Synergistic removal of cadmium and organic matter by a microalgae-endophyte symbiotic system (MESS): An approach to improve the application potential of plant-derived biosorbents. <i>Environmental Pollution</i> , 2020 , 261, 114177	9.3	15
209	Efficient antimony removal by self-assembled core-shell nanocomposite of CoO@rGO and the analysis of its adsorption mechanism. <i>Environmental Research</i> , 2020 , 187, 109657	7.9	24
208	Functionalization of UiO-66-NH ₂ with rhodanine via amidation: Towards a robust adsorbent with dual coordination sites for selective capture of Ag(I) from wastewater. <i>Chemical Engineering Journal</i> , 2020 , 382, 123009	14.7	28
207	Toxicity of tetracycline and its transformation products to a phosphorus removing <i>Shewanella</i> strain. <i>Chemosphere</i> , 2020 , 246, 125681	8.4	13
206	Evaluating the adsorptivity of organo-functionalized silica nanoparticles towards heavy metals: Quantitative comparison and mechanistic insight. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121676	12.8	68
205	Energy and Nutrient Recovery from Sewage Sludge and Manure via Anaerobic Digestion with Hydrothermal Pretreatment. <i>Environmental Science & Technology</i> , 2020 , 54, 1147-1156	10.3	28
204	Bacteria-affinity aminated carbon nanotubes bridging reduced graphene oxide for highly efficient microbial electrocatalysis. <i>Environmental Research</i> , 2020 , 191, 110212	7.9	4
203	Effect of Interstage Hydrothermal Treatment on Anaerobic Digestion of Sewage Sludge: Speciation Evolution of Phosphorus, Iron, and Sulfur. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16515-16523	8.3	13
202	Synthesis of (ZrO-AlO)/GO nanocomposite by sonochemical method and the mechanism analysis of its high defluoridation. <i>Journal of Hazardous Materials</i> , 2020 , 381, 120954	12.8	21
201	Overview of value-added products bioelectrosynthesized from waste materials in microbial electrosynthesis systems. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 125, 109816	16.2	32

200	Successful isolation of a tolerant co-flocculating microalgae towards highly efficient nitrogen removal in harsh rare earth element tailings (REEs) wastewater. <i>Water Research</i> , 2019 , 166, 115076	12.5	44
199	Tannic acid-based adsorbent with superior selectivity for lead(II) capture: Adsorption site and selective mechanism. <i>Chemical Engineering Journal</i> , 2019 , 364, 160-166	14.7	46
198	Carbon quantum dot-sensitized and tunable luminescence of Ca ₁₉ Mg ₂ (PO ₄) ₁₄ :Ln ³⁺ (Ln ³⁺ = Eu ³⁺ and/or Tb ³⁺) nanocrystalline phosphors with abundant colors via a sol-gel process. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2361-2375	7.1	14
197	Building electrode with three-dimensional macroporous interface from biocompatible polypyrrole and conductive graphene nanosheets to achieve highly efficient microbial electrocatalysis. <i>Biosensors and Bioelectronics</i> , 2019 , 141, 111444	11.8	64
196	Optimization of adsorption configuration by DFT calculation for design of adsorbent: A case study of palladium ion-imprinted polymers. <i>Journal of Hazardous Materials</i> , 2019 , 379, 120791	12.8	30
195	One-step reductive synthesis of Ti self-doped elongated anatase TiO nanowires combined with reduced graphene oxide for adsorbing and degrading waste engine oil. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120752	12.8	14
194	Coupled methane and nitrous oxide biotransformation in freshwater wetland sediment microcosms. <i>Science of the Total Environment</i> , 2019 , 648, 916-922	10.2	12
193	Defluoridation investigation of Yttrium by laminated Y-Zr-Al tri-metal nanocomposite and analysis of the fluoride sorption mechanism. <i>Science of the Total Environment</i> , 2019 , 648, 1342-1353	10.2	28
192	Synthesis of La ₂ (C ₂ O ₄) ₃ nanoprisms decorated with Fe ₃ O ₄ @m(ZrO ₂ -CeO ₂) nanospheres and their application for effective fluoride removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 3650-3660	3.5	2
191	Peracetic acid fate and decomposition in poultry processing wastewater streams. <i>Bioresource Technology Reports</i> , 2019 , 7, 100285	4.1	8
190	Three-dimensional electrode interface assembled from rGO nanosheets and carbon nanotubes for highly electrocatalytic oxygen reduction. <i>Chemical Engineering Journal</i> , 2019 , 378, 122127	14.7	19
189	Lattice-Defect-Enhanced Adsorption of Arsenic on Zirconia Nanospheres: A Combined Experimental and Theoretical Study. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29736-29745	9.5	79
188	A g-C ₃ N ₄ @Au@SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ composite as an efficient plasmonic photocatalyst for round-the-clock environmental purification and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19173-19186	13	29
187	Exceptional adsorption of arsenic by zirconium metal-organic frameworks: Engineering exploration and mechanism insight. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 223-234	9.3	125
186	Cobalt silicate hydroxide nanosheets in hierarchical hollow architecture with maximized cobalt active site for catalytic oxidation. <i>Chemical Engineering Journal</i> , 2019 , 359, 79-87	14.7	88
185	Palladium ion-imprinted polymers with PHEMA polymer brushes: Role of grafting polymerization degree in anti-interference. <i>Chemical Engineering Journal</i> , 2019 , 359, 176-185	14.7	71
184	Impact of hydraulic retention time and current on the microbial community and denitrification genes in a continuous-flow biofilm electrode reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 933-941	3.5	5
183	Ultra-high capacity of lanthanum-doped UiO-66 for phosphate capture: Unusual doping of lanthanum by the reduction of coordination number. <i>Chemical Engineering Journal</i> , 2019 , 358, 321-330	14.7	146

182	Genomic and Transcriptomic Insights into How Bacteria Withstand High Concentrations of Benzalkonium Chloride Biocides. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	19
181	Bioelectrochemically assisted anaerobic digestion system for biogas upgrading and enhanced methane production. <i>Science of the Total Environment</i> , 2018 , 633, 1012-1021	10.2	60
180	Identification and Regulation of Active Sites on Nanodiamonds: Establishing a Highly Efficient Catalytic System for Oxidation of Organic Contaminants. <i>Advanced Functional Materials</i> , 2018 , 28, 1705295	15.6	238
179	New insight on the adsorption capacity of metallogels for antimonite and antimonate removal: From experimental to theoretical study. <i>Journal of Hazardous Materials</i> , 2018 , 346, 218-225	12.8	24
178	Processes and electron flow in a microbial electrolysis cell bioanode fed with furanic and phenolic compounds. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 35981-35989	5.1	6
177	Highly Selective Adsorption of Antimonite by Novel Imprinted Polymer with Microdomain Confinement Effect. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1513-1523	2.8	9
176	Effects of salinity and COD/N on denitrification and bacterial community in dicyclic-type electrode based biofilm reactor. <i>Chemosphere</i> , 2018 , 192, 328-336	8.4	36
175	Widely Used Benzalkonium Chloride Disinfectants Can Promote Antibiotic Resistance. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	68
174	Reduced graphene oxide enhanced magnetic nanocomposites for removal of carbamazepine. <i>Journal of Materials Science</i> , 2018 , 53, 15474-15486	4.3	15
173	Enhanced azo dye decolorization and microbial community analysis in a stacked bioelectrochemical system. <i>Chemical Engineering Journal</i> , 2018 , 354, 351-362	14.7	37
172	Evaluation and optimization of co-digestion capacity through biodegradability test assays. <i>Proceedings of the Water Environment Federation</i> , 2018 , 2018, 896-901		
171	Efficient Conversion of Aqueous-Waste-Carbon Compounds Into Electrons, Hydrogen, and Chemicals via Separations and Microbial Electrocatalysis. <i>Frontiers in Energy Research</i> , 2018 , 6,	3.8	9
170	Development of an anion imprinted polymer for high and selective removal of arsenite from wastewater. <i>Science of the Total Environment</i> , 2018 , 639, 110-117	10.2	23
169	Mesoporous TiO with WO functioning as dopant and light-sensitizer: A highly efficient photocatalyst for degradation of organic compound. <i>Journal of Hazardous Materials</i> , 2018 , 358, 44-52	12.8	29
168	Lithium ion-imprinted polymers with hydrophilic PHEMA polymer brushes: The role of grafting density in anti-interference and anti-blockage in wastewater. <i>Journal of Colloid and Interface Science</i> , 2017 , 492, 146-156	9.3	27
167	rGO-stabilized MnO/N-doped carbon nanofibers for efficient removal of Pb(II) ion and catalytic degradation of methylene blue. <i>Journal of Materials Science</i> , 2017 , 52, 5117-5132	4.3	20
166	Fabrication of In-rich AgInS ₂ nanoplates and nanotubes by a facile low-temperature co-precipitation strategy and their excellent visible-light photocatalytic mineralization performance. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	7
165	Capturing Cadmium(II) Ion from Wastewater Containing Solid Particles and Floccules Using Ion-Imprinted Polymers with Broom Effect. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 2350-2358	3.9	4

164	Selective removal Pb(II) ions from wastewater using Pb(II) ion-imprinted polymers with bi-component polymer brushes. <i>RSC Advances</i> , 2017 , 7, 25811-25820	3.7	22
163	Silica hydrogel-mediated dissolution-recrystallization strategy for synthesis of ultrathin Fe ₂ O ₃ nanosheets with highly exposed (1 1 0) facets: A superior photocatalyst for degradation of bisphenol S. <i>Chemical Engineering Journal</i> , 2017 , 323, 64-73	14.7	76
162	Long-term broiler litter amendments can alter the soil's capacity to sorb monensin. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 13466-13473	5.1	4
161	Methanogenic Biocathode Microbial Community Development and the Role of Bacteria. <i>Environmental Science & Technology</i> , 2017 , 51, 5306-5316	10.3	51
160	Fabrication of Hierarchical Porous Metal-Organic Framework Electrode for Aqueous Asymmetric Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4144-4153	8.3	74
159	Evaluation of gas and carbon transport in a methanogenic bioelectrochemical system (BES). <i>Biotechnology and Bioengineering</i> , 2017 , 114, 961-969	4.9	12
158	The extent of fermentative transformation of phenolic compounds in the bioanode controls exoelectrogenic activity in a microbial electrolysis cell. <i>Water Research</i> , 2017 , 109, 299-309	12.5	29
157	Adsorption Behaviors of Organic Micropollutants on Zirconium Metal-Organic Framework UiO-66: Analysis of Surface Interactions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41043-41054	9.5	188
156	Zero-Valent Iron Enhances Biocathodic Carbon Dioxide Reduction to Methane. <i>Environmental Science & Technology</i> , 2017 , 51, 12956-12964	10.3	29
155	Heterogeneous Fenton-like catalysis of Fe-MOF derived magnetic carbon nanocomposites for degradation of 4-nitrophenol. <i>RSC Advances</i> , 2017 , 7, 49024-49030	3.7	57
154	Activated biochar derived from pomelo peel as a high-capacity sorbent for removal of carbamazepine from aqueous solution. <i>RSC Advances</i> , 2017 , 7, 54969-54979	3.7	38
153	Estimation of environmentally relevant chemical properties of veterinary ionophore antibiotics. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 18353-61	5.1	5
152	Enhanced photocatalytic properties of ZnFe ₂ O ₄ -doped ZnIn ₂ S ₄ heterostructure under visible light irradiation. <i>RSC Advances</i> , 2016 , 6, 83012-83019	3.7	19
151	Capturing Lithium from Wastewater Using a Fixed Bed Packed with 3-D MnO Ion Cages. <i>Environmental Science & Technology</i> , 2016 , 50, 13002-13012	10.3	73
150	Novel thymine-functionalized MIL-101 prepared by post-synthesis and enhanced removal of Hg(2+) from water. <i>Journal of Hazardous Materials</i> , 2016 , 306, 313-322	12.8	81
149	Performance evaluation of a continuous-flow bioanode microbial electrolysis cell fed with furanic and phenolic compounds. <i>RSC Advances</i> , 2016 , 6, 65563-65571	3.7	10
148	Inhibitory Effect of Furanic and Phenolic Compounds on Exoelectrogenesis in a Microbial Electrolysis Cell Bioanode. <i>Environmental Science & Technology</i> , 2016 , 50, 11357-11365	10.3	20
147	Quaternary ammonium disinfectants: microbial adaptation, degradation and ecology. <i>Current Opinion in Biotechnology</i> , 2015 , 33, 296-304	11.4	199

146	Biotransformation of Furanic and Phenolic Compounds with Hydrogen Gas Production in a Microbial Electrolysis Cell. <i>Environmental Science & Technology</i> , 2015 , 49, 13667-75	10.3	68
145	Removal of Cadmium(II) from Wastewater Using Novel Cadmium Ion-Imprinted Polymers. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 3253-3261	2.8	54
144	Fate and biotransformation of phytosterols during treatment of pulp and paper wastewater in a simulated aerated stabilization basin. <i>Water Research</i> , 2015 , 68, 589-600	12.5	9
143	Alum and Rainfall Effects on Ionophores in Runoff from Surface-Applied Broiler Litter. <i>Journal of Environmental Quality</i> , 2015 , 44, 1657-66	3.4	3
142	Stacking Time and Aluminum Sulfate Effects on Polyether Ionophores in Broiler Litter. <i>Journal of Environmental Quality</i> , 2015 , 44, 1923-9	3.4	4
141	Co-digestion of municipal sludge and external organic wastes for enhanced biogas production under realistic plant constraints. <i>Water Research</i> , 2015 , 87, 432-45	12.5	31
140	Removal and toxicity reduction of naphthenic acids by ozonation and combined ozonation-aerobic biodegradation. <i>Bioresource Technology</i> , 2015 , 179, 339-347	11	30
139	Prolonged exposure of mixed aerobic cultures to low temperature and benzalkonium chloride affect the rate and extent of nitrification. <i>Bioresource Technology</i> , 2015 , 179, 193-201	11	12
138	Recovery of Lithium from Wastewater Using Development of Li Ion-Imprinted Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 460-467	8.3	106
137	Magnetic ion-imprinted and BH functionalized polymer for selective removal of Pb(II) from aqueous samples. <i>Applied Surface Science</i> , 2014 , 292, 438-446	6.7	93
136	Transition of municipal sludge anaerobic digestion from mesophilic to thermophilic and long-term performance evaluation. <i>Bioresource Technology</i> , 2014 , 170, 385-394	11	18
135	Photodegradation of veterinary ionophore antibiotics under UV and solar irradiation. <i>Environmental Science & Technology</i> , 2014 , 48, 13188-96	10.3	37
134	Microbial community degradation of widely used quaternary ammonium disinfectants. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5892-900	4.8	45
133	Effect of alkyl side chain location and cyclicity on the aerobic biotransformation of naphthenic acids. <i>Environmental Science & Technology</i> , 2014 , 48, 7909-17	10.3	21
132	Occurrence, Toxicity, and Biotransformation of Pentachloronitrobenzene and Chloroanilines. <i>Critical Reviews in Environmental Science and Technology</i> , 2014 , 44, 473-518	11.1	13
131	Effect of ultrasound on sodium arsenate induction time and crystallization property during solution crystallization processes. <i>Acoustical Physics</i> , 2014 , 60, 356-360	1.1	8
130	Biodegradation of veterinary ionophore antibiotics in broiler litter and soil microcosms. <i>Environmental Science & Technology</i> , 2014 , 48, 2724-31	10.3	25
129	Biotransformation of phytosterols under aerobic conditions. <i>Water Research</i> , 2014 , 58, 71-81	12.5	11

128	Sol-hydrothermal synthesis of inorganic-framework molecularly imprinted TiO ₂ /SiO ₂ nanocomposite and its preferential photocatalytic degradation towards target contaminant. <i>Journal of Hazardous Materials</i> , 2014 , 278, 108-15	12.8	48
127	Inhibition and biotransformation potential of veterinary ionophore antibiotics under different redox conditions. <i>Environmental Science & Technology</i> , 2014 , 48, 13146-54	10.3	11
126	Biotransformation potential of phytosterols under anoxic and anaerobic conditions. <i>Water Science and Technology</i> , 2014 , 69, 1661-8	2.2	4
125	Preparation of water-compatible molecularly imprinted polymers for caffeine with a novel ionic liquid as a functional monomer. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2884-2890	2.9	31
124	Simultaneous carbon removal, denitrification and power generation in a membrane-less microbial fuel cell. <i>Bioresource Technology</i> , 2013 , 146, 1-6	11	31
123	Modeling the fate and effect of benzalkonium chlorides in a continuous-flow biological nitrogen removal system treating poultry processing wastewater. <i>Bioresource Technology</i> , 2013 , 130, 278-87	11	12
122	Long-term exposure to benzalkonium chloride disinfectants results in change of microbial community structure and increased antimicrobial resistance. <i>Environmental Science & Technology</i> , 2013 , 47, 9730-8	10.3	119
121	Inhibitory effects and biotransformation potential of ciprofloxacin under anoxic/anaerobic conditions. <i>Bioresource Technology</i> , 2013 , 150, 28-35	11	29
120	Adsorption, inhibition, and biotransformation of ciprofloxacin under aerobic conditions. <i>Bioresource Technology</i> , 2013 , 144, 644-51	11	38
119	Inhibition and biotransformation potential of naphthenic acids under different electron accepting conditions. <i>Water Research</i> , 2013 , 47, 406-18	12.5	28
118	Fate and effect of naphthenic acids on oil refinery activated sludge wastewater treatment systems. <i>Water Research</i> , 2013 , 47, 449-60	12.5	42
117	Influence of quaternary ammonium compounds on the microbial reductive dechlorination of pentachloroaniline. <i>Water Research</i> , 2013 , 47, 6780-9	12.5	4
116	Detection and quantification of ionophore antibiotics in runoff, soil and poultry litter. <i>Journal of Chromatography A</i> , 2013 , 1312, 10-7	4.5	32
115	Nanocomposites of graphene oxide-hydrated zirconium oxide for simultaneous removal of As(III) and As(V) from water. <i>Chemical Engineering Journal</i> , 2013 , 220, 98-106	14.7	190
114	Acid-catalyzed transformation of ionophore veterinary antibiotics: reaction mechanism and product implications. <i>Environmental Science & Technology</i> , 2013 , 47, 6781-9	10.3	15
113	Novel ion-imprinted polymer using crown ether as a functional monomer for selective removal of Pb(II) ions in real environmental water samples. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8280	13	111
112	Microbial community adaptation to quaternary ammonium biocides as revealed by metagenomics. <i>Environmental Microbiology</i> , 2013 , 15, 2850-64	5.2	60
111	Aerobic biotransformation potential of a commercial mixture of naphthenic acids. <i>Water Research</i> , 2013 , 47, 5520-34	12.5	19

110	Biotransformation of alkanoylcholines under methanogenic conditions. <i>Water Research</i> , 2012 , 46, 2947-56.5	10
109	Fate and effect of benzalkonium chlorides in a continuous-flow biological nitrogen removal system treating poultry processing wastewater. <i>Bioresource Technology</i> , 2012 , 118, 73-81	11 30
108	Application of 1-Alkyl-3-methylimidazolium-Based Ionic Liquids as Background Electrolytes in Nonaqueous Capillary Electrophoresis for the Analysis of Coptidis Alkaloids. <i>Analytical Letters</i> , 2012 , 45, 460-472	2.2 4
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