

# Spyros G Pavlostathis

## List of Publications by Citations

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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	Biological chromium(VI) reduction in the cathode of a microbial fuel cell. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 8159-65	10.3	254
252	Identification and Regulation of Active Sites on Nanodiamonds: Establishing a Highly Efficient Catalytic System for Oxidation of Organic Contaminants. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 17052-55	15.6	238
251	Quaternary ammonium disinfectants: microbial adaptation, degradation and ecology. <i>Current Opinion in Biotechnology</i> , <b>2015</b> , 33, 296-304	11.4	199
250	Nanocomposites of graphene oxide-hydrated zirconium oxide for simultaneous removal of As(III) and As(V) from water. <i>Chemical Engineering Journal</i> , <b>2013</b> , 220, 98-106	14.7	190
249	Adsorption Behaviors of Organic Micropollutants on Zirconium Metal-Organic Framework UiO-66: Analysis of Surface Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 41043-41054	9.5	188
248	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> , <b>2019</b> , 358, 321-330	14.7	146
247	Removal of water-soluble acid dyes from water environment using a novel magnetic molecularly imprinted polymer. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 187, 274-82	12.8	140
246	Desorption kinetics of selected volatile organic compounds from field contaminated soils. <i>Environmental Science &amp; Technology</i> , <b>1992</b> , 26, 532-538	10.3	134
245	Exceptional adsorption of arsenic by zirconium metal-organic frameworks: Engineering exploration and mechanism insight. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 539, 223-234	9.3	125
244	Alkaline treatment of wheat straw for increasing anaerobic biodegradability. <i>Biotechnology and Bioengineering</i> , <b>1985</b> , 27, 334-44	4.9	121
243	Long-term exposure to benzalkonium chloride disinfectants results in change of microbial community structure and increased antimicrobial resistance. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9730-8	10.3	119
242	Desorptive behavior of trichloroethylene in contaminated soil. <i>Environmental Science &amp; Technology</i> , <b>1991</b> , 25, 274-279	10.3	118
241	Decolorization and toxicity of reactive anthraquinone textile dyes under methanogenic conditions. <i>Water Research</i> , <b>2004</b> , 38, 1838-52	12.5	116
240	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> , <b>2013</b> , 1, 8280	13	111
239	Recovery of Lithium from Wastewater Using Development of Li Ion-Imprinted Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 460-467	8.3	106
238	A kinetic model for anaerobic digestion of biological sludge. <i>Biotechnology and Bioengineering</i> , <b>1986</b> , 28, 1519-30	4.9	101
237	Characterization of the textile anthraquinone dye Reactive Blue 4. <i>Dyes and Pigments</i> , <b>2005</b> , 67, 35-46	4.6	95

236	Aerobic biodegradation of selected monoterpenes. <i>Applied Microbiology and Biotechnology</i> , <b>1996</b> , 45, 831-8	5.7	95
235	Magnetic ion-imprinted and BH functionalized polymer for selective removal of Pb(II) from aqueous samples. <i>Applied Surface Science</i> , <b>2014</b> , 292, 438-446	6.7	93
234	Distributed model of solid waste anaerobic digestion: effects of leachate recirculation and pH adjustment. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 81, 66-73	4.9	92
233	Methane recovery from the anaerobic codigestion of municipal sludge and FOG. <i>Bioresource Technology</i> , <b>2009</b> , 100, 3701-5	11	91
232	Cobalt silicate hydroxide nanosheets in hierarchical hollow architecture with maximized cobalt active site for catalytic oxidation. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 79-87	14.7	88
231	Inhibitory effects of nitrogen oxides on a mixed methanogenic culture. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 96, 444-55	4.9	82
230	Novel thymine-functionalized MIL-101 prepared by post-synthesis and enhanced removal of Hg(2+) from water. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 306, 313-322	12.8	81
229	Fate and effect of quaternary ammonium compounds on a mixed methanogenic culture. <i>Water Research</i> , <b>2006</b> , 40, 3660-8	12.5	80
228	Lattice-Defect-Enhanced Adsorption of Arsenic on Zirconia Nanospheres: A Combined Experimental and Theoretical Study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29736-29745	9.5	79
227	Transformation of 2,4,6-trinitrotoluene by the aquatic plant <i>Myriophyllum spicatum</i> . <i>Environmental Toxicology and Chemistry</i> , <b>1998</b> , 17, 2266-2273	3.8	78
226	Silica hydrogel-mediated dissolution-recrystallization strategy for synthesis of ultrathin Fe <sub>2</sub> O <sub>3</sub> nanosheets with highly exposed (1 1 0) facets: A superior photocatalyst for degradation of bisphenol S. <i>Chemical Engineering Journal</i> , <b>2017</b> , 323, 64-73	14.7	76
225	Sorption of quaternary ammonium compounds to municipal sludge. <i>Water Research</i> , <b>2010</b> , 44, 2303-13	12.5	76
224	Fabrication of Hierarchical Porous Metal-Organic Framework Electrode for Aqueous Asymmetric Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4144-4153	8.3	74
223	Capturing Lithium from Wastewater Using a Fixed Bed Packed with 3-D MnO Ion Cages. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 13002-13012	10.3	73
222	Fermentation of Insoluble Cellulose by Continuous Cultures of <i>Ruminococcus albus</i> . <i>Applied and Environmental Microbiology</i> , <b>1988</b> , 54, 2655-9	4.8	73
221	Biodegradation kinetics of monoterpenes in liquid and soil-slurry systems. <i>Applied Microbiology and Biotechnology</i> , <b>1997</b> , 47, 572-577	5.7	71
220	Palladium ion-imprinted polymers with PHEMA polymer brushes: Role of grafting polymerization degree in anti-interference. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 176-185	14.7	71
219	Selective Separation of Cu(II) from Aqueous Solution with a Novel Cu(II) Surface Magnetic Ion-Imprinted Polymer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 6355-6361	3.9	70

218	Biotransformation of Furanic and Phenolic Compounds with Hydrogen Gas Production in a Microbial Electrolysis Cell. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13667-75	10.3	68
217	Widely Used Benzalkonium Chloride Disinfectants Can Promote Antibiotic Resistance. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	68
216	Evaluation and modeling of benzalkonium chloride inhibition and biodegradation in activated sludge. <i>Water Research</i> , <b>2011</b> , 45, 1238-46	12.5	68
215	Evaluating the adsorptivity of organo-functionalized silica nanoparticles towards heavy metals: Quantitative comparison and mechanistic insight. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 387, 121676	12.8	68
214	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> , <b>2019</b> , 141, 111444	11.8	64
213	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> , <b>2020</b> , 392, 122345	12.8	61
212	Aerobic biodegradation of thiocyanate. <i>Water Research</i> , <b>1997</b> , 31, 2761-2770	12.5	61
211	Bioelectrochemically assisted anaerobic digestion system for biogas upgrading and enhanced methane production. <i>Science of the Total Environment</i> , <b>2018</b> , 633, 1012-1021	10.2	60
210	Microbial community adaptation to quaternary ammonium biocides as revealed by metagenomics. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 2850-64	5.2	60
209	Occurrence and fate of nitrosamines and their precursors in municipal sludge and anaerobic digestion systems. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3087-93	10.3	60
208	Kinetics of zero-valent iron reductive transformation of the anthraquinone dye Reactive Blue 4. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 160, 594-600	12.8	59
207	Heterogeneous Fenton-like catalysis of Fe-MOF derived magnetic carbon nanocomposites for degradation of 4-nitrophenol. <i>RSC Advances</i> , <b>2017</b> , 7, 49024-49030	3.7	57
206	Physicochemical properties of selected monoterpenes. <i>Environment International</i> , <b>1998</b> , 24, 353-358	12.9	55
205	Removal of Cadmium(II) from Wastewater Using Novel Cadmium Ion-Imprinted Polymers. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2015</b> , 60, 3253-3261	2.8	54
204	Microbial reductive transformation of pentachloronitrobenzene under methanogenic conditions. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 8264-72	10.3	52
203	Methanogenic Biocathode Microbial Community Development and the Role of Bacteria. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 5306-5316	10.3	51
202	Aerobic biotransformation of n-tetradecylbenzyltrimethylammonium chloride by an enriched <i>Pseudomonas</i> spp. community. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8714-22	10.3	50
201	Sol-hydrothermal synthesis of inorganic-framework molecularly imprinted TiO <sub>2</sub> /SiO <sub>2</sub> nanocomposite and its preferential photocatalytic degradation towards target contaminant. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 278, 108-15	12.8	48

200	Effect of sulfide on nitrate reduction in mixed methanogenic cultures. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 97, 1448-59	4.9	48
199	Thermophilic bacteria in cool temperate soils: are they metabolically active or continually added by global atmospheric transport?. <i>Applied Microbiology and Biotechnology</i> , <b>2008</b> , 78, 841-52	5.7	48
198	An extension of the Anaerobic Digestion Model No. 1 to include the effect of nitrate reduction processes. <i>Water Science and Technology</i> , <b>2006</b> , 54, 41-9	2.2	47
197	Biological Decolorization of the Azo Dye Reactive Red 2 Under Various Oxidation/Reduction Conditions. <i>Water Environment Research</i> , <b>2000</b> , 72, 698-705	2.8	47
196	Tannic acid-based adsorbent with superior selectivity for lead(II) capture: Adsorption site and selective mechanism. <i>Chemical Engineering Journal</i> , <b>2019</b> , 364, 160-166	14.7	46
195	Cellulose fermentation by continuous cultures of <i>Ruminococcus albus</i> and <i>Methanobrevibacter smithii</i> . <i>Applied Microbiology and Biotechnology</i> , <b>1990</b> , 33, 109	5.7	46
194	Microbial community degradation of widely used quaternary ammonium disinfectants. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 5892-900	4.8	45
193	Novel molecularly imprinted polymer using 1-(3-methyl acrylate)-3-methylimidazolium bromide as functional monomer for simultaneous extraction and determination of water-soluble acid dyes in wastewater and soft drink by solid phase extraction and high performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 1115-21	4.5	45
192	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> , <b>2019</b> , 166, 115076	12.5	44
191	Transformation of benzalkonium chloride under nitrate reducing conditions. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 1342-8	10.3	44
190	Syntrophic acetate oxidation in two-phase (acid-methane) anaerobic digesters. <i>Water Science and Technology</i> , <b>2011</b> , 64, 1812-20	2.2	43
189	Mesophilic and thermophilic anaerobic digestion of municipal sludge and fat, oil, and grease. <i>Water Environment Research</i> , <b>2009</b> , 81, 476-85	2.8	43
188	The anaerobic biodegradability of municipal sludge and fat, oil, and grease at mesophilic conditions. <i>Water Environment Research</i> , <b>2008</b> , 80, 212-21	2.8	43
187	Fate and effect of naphthenic acids on oil refinery activated sludge wastewater treatment systems. <i>Water Research</i> , <b>2013</b> , 47, 449-60	12.5	42
186	Kinetics of the Sequential Microbial Reductive Dechlorination of Hexachlorobenzene. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 4001-4009	10.3	41
185	Adsorption, inhibition, and biotransformation of ciprofloxacin under aerobic conditions. <i>Bioresource Technology</i> , <b>2013</b> , 144, 644-51	11	38
184	Activated biochar derived from pomelo peel as a high-capacity sorbent for removal of carbamazepine from aqueous solution. <i>RSC Advances</i> , <b>2017</b> , 7, 54969-54979	3.7	38
183	Decolorization kinetics of the azo dye reactive red 2 under methanogenic conditions: effect of long-term culture acclimation. <i>Biodegradation</i> , <b>2005</b> , 16, 135-46	4.1	38

182	Enhanced azo dye decolorization and microbial community analysis in a stacked bioelectrochemical system. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 351-362	14.7	37
181	Photodegradation of veterinary ionophore antibiotics under UV and solar irradiation. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 13188-96	10.3	37
180	Effects of salinity and COD/N on denitrification and bacterial community in dicyclic-type electrode based biofilm reactor. <i>Chemosphere</i> , <b>2018</b> , 192, 328-336	8.4	36
179	Kinetics of Insoluble Cellulose Fermentation by Continuous Cultures of <i>Ruminococcus albus</i> . <i>Applied and Environmental Microbiology</i> , <b>1988</b> , 54, 2660-3	4.8	36
178	Determination of malachite green in fish water samples by cloud-point extraction coupled to cation-selective exhaustive injection and sweeping-MEKC. <i>Electrophoresis</i> , <b>2010</b> , 31, 688-94	3.6	34
177	Detection and quantification of ionophore antibiotics in runoff, soil and poultry litter. <i>Journal of Chromatography A</i> , <b>2013</b> , 1312, 10-7	4.5	32
176	Novel carboxylation treatment and characterization of multiwalled carbon nanotubes for simultaneous sensitive determination of adenine and guanine in DNA. <i>Mikrochimica Acta</i> , <b>2010</b> , 169, 33-40	5.8	32
175	Biological decolorization of reactive anthraquinone and phthalocyanine dyes under various oxidation-reduction conditions. <i>Water Environment Research</i> , <b>2006</b> , 78, 156-69	2.8	32
174	Overview of value-added products bioelectrosynthesized from waste materials in microbial electrosynthesis systems. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 125, 109816	16.2	32
173	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> , <b>2013</b> , 127, 2884-2890	2.9	31
172	Simultaneous carbon removal, denitrification and power generation in a membrane-less microbial fuel cell. <i>Bioresource Technology</i> , <b>2013</b> , 146, 1-6	11	31
171	Co-digestion of municipal sludge and external organic wastes for enhanced biogas production under realistic plant constraints. <i>Water Research</i> , <b>2015</b> , 87, 432-45	12.5	31
170	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> , <b>2019</b> , 379, 120791	12.8	30
169	Removal and toxicity reduction of naphthenic acids by ozonation and combined ozonation-aerobic biodegradation. <i>Bioresource Technology</i> , <b>2015</b> , 179, 339-347	11	30
168	Fate and effect of benzalkonium chlorides in a continuous-flow biological nitrogen removal system treating poultry processing wastewater. <i>Bioresource Technology</i> , <b>2012</b> , 118, 73-81	11	30
167	Nitrate reduction in a simulated free-water surface wetland system. <i>Water Research</i> , <b>2011</b> , 45, 5587-98	12.5	30
166	The extent of fermentative transformation of phenolic compounds in the bioanode controls exoelectrogenic activity in a microbial electrolysis cell. <i>Water Research</i> , <b>2017</b> , 109, 299-309	12.5	29
165	Zero-Valent Iron Enhances Biocathodic Carbon Dioxide Reduction to Methane. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12956-12964	10.3	29



164	A g-C <sub>3</sub> N <sub>4</sub> @Au@SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> ,Dy <sup>3+</sup> composite as an efficient plasmonic photocatalyst for round-the-clock environmental purification and hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19173-19186	13	29
163	Inhibitory effects and biotransformation potential of ciprofloxacin under anoxic/anaerobic conditions. <i>Bioresource Technology</i> , <b>2013</b> , 150, 28-35	11	29
162	Effect of contaminant and organic matter bioavailability on the microbial dehalogenation of sediment-bound chlorobenzenes. <i>Water Research</i> , <b>1996</b> , 30, 2669-2680	12.5	29
161	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> , <b>2018</b> , 358, 44-52	12.8	29
160	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> , <b>2019</b> , 648, 1342-1353	10.2	28
159	Inhibition and biotransformation potential of naphthenic acids under different electron accepting conditions. <i>Water Research</i> , <b>2013</b> , 47, 406-18	12.5	28
158	Biotransformation of 2,4,6-trinitrotoluene in a continuous-flow Anabaena sp. system. <i>Water Research</i> , <b>2002</b> , 36, 1699-706	12.5	28
157	Functionalization of UiO-66-NH <sub>2</sub> 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> , <b>2020</b> , 382, 123009	14.7	28
156	Energy and Nutrient Recovery from Sewage Sludge and Manure via Anaerobic Digestion with Hydrothermal Pretreatment. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 1147-1156	10.3	28
155	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> , <b>2017</b> , 492, 146-156	9.3	27
154	Transformation of trichloroethylene by sulfate-reducing cultures enriched from a contaminated subsurface soil. <i>Applied Microbiology and Biotechnology</i> , <b>1991</b> , 36, 416-20	5.7	27
153	Biotransformation of 2,4,6-trinitrotoluene in Anabaena sp. cultures. <i>Environmental Toxicology and Chemistry</i> , <b>1999</b> , 18, 412-419	3.8	26
152	Biodegradation of veterinary ionophore antibiotics in broiler litter and soil microcosms. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 2724-31	10.3	25
151	Kinetics and modeling of autotrophic thiocyanate biodegradation. <i>Biotechnology and Bioengineering</i> , <b>1999</b> , 62, 1-11	4.9	25
150	New insight on the adsorption capacity of metallogels for antimonite and antimonate removal: From experimental to theoretical study. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 346, 218-225	12.8	24
149	Desorption of chlorinated organic compounds from a contaminated estuarine sediment. <i>Environmental Toxicology and Chemistry</i> , <b>1997</b> , 16, 1598-1605	3.8	24
148	Electron donor effect on nitrate reduction pathway and kinetics in a mixed methanogenic culture. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 98, 756-63	4.9	24
147	Effect of polyelectrolytes and quaternary ammonium compounds on the anaerobic biological treatment of poultry processing wastewater. <i>Water Research</i> , <b>2007</b> , 41, 1334-42	12.5	24

146	Real-Time Monitoring and Control of Sequencing Batch Reactors for Secondary Treatment of a Poultry Processing Wastewater. <i>Water Environment Research</i> , <b>2000</b> , 72, 585-592	2.8	24
145	Effect of Tween surfactants on methanogenesis and microbial reductive dechlorination of hexachlorobenzene. <i>Environmental Toxicology and Chemistry</i> , <b>1999</b> , 18, 1408-1416	3.8	24
144	Efficient antimony removal by self-assembled core-shell nanocomposite of CoO@rGO and the analysis of its adsorption mechanism. <i>Environmental Research</i> , <b>2020</b> , 187, 109657	7.9	24
143	Development of an anion imprinted polymer for high and selective removal of arsenite from wastewater. <i>Science of the Total Environment</i> , <b>2018</b> , 639, 110-117	10.2	23
142	Selective removal Pb(II) ions from wastewater using Pb(II) ion-imprinted polymers with bi-component polymer brushes. <i>RSC Advances</i> , <b>2017</b> , 7, 25811-25820	3.7	22
141	Coevolution of Iron, Phosphorus, and Sulfur Speciation during Anaerobic Digestion with Hydrothermal Pretreatment of Sewage Sludge. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 8362-8372	10.3	22
140	Biological oxidation of thiosulfate in mixed heterotrophic/autotrophic cultures. <i>Water Research</i> , <b>1998</b> , 32, 1363-1372	12.5	22
139	Effect of nitrate reduction on the microbial reductive transformation of pentachloronitrobenzene. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 3234-40	10.3	22
138	Reductive decolorization of a textile reactive dyebath under methanogenic conditions. <i>Applied Biochemistry and Biotechnology</i> , <b>2003</b> , 109, 207-25	3.2	22
137	Effect of alkyl side chain location and cyclicity on the aerobic biotransformation of naphthenic acids. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7909-17	10.3	21
136	Grafting of molecularly imprinted polymers from the surface of Fe <sub>3</sub> O <sub>4</sub> nanoparticles containing double bond via suspension polymerization in aqueous environment: A selective sorbent for theophylline. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 1930-1937	2.9	21
135	Microbial reductive dechlorination of hexachloro-1,3-butadiene in a methanogenic enrichment culture. <i>Water Research</i> , <b>2000</b> , 34, 4437-4445	12.5	21
134	Synthesis of (ZrO-AlO)/GO nanocomposite by sonochemical method and the mechanism analysis of its high defluoridation. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 120954	12.8	21
133	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> , <b>2017</b> , 52, 5117-5132	4.3	20
132	High growth rate and substrate exhaustion results in rapid cell death and lysis in the thermophilic bacterium <i>Geobacillus thermoleovorans</i> . <i>Biotechnology and Bioengineering</i> , <b>2006</b> , 95, 84-95	4.9	20
131	A critical review of the recovery of rare earth elements from wastewater by algae for resources recycling technologies. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 169, 105519	11.9	20
130	Inhibitory Effect of Furanic and Phenolic Compounds on Exoelectrogenesis in a Microbial Electrolysis Cell Bioanode. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11357-11365	10.3	20
129	Genomic and Transcriptomic Insights into How Bacteria Withstand High Concentrations of Benzalkonium Chloride Biocides. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	19



128	Enhanced photocatalytic properties of ZnFe <sub>2</sub> O <sub>4</sub> -doped ZnIn <sub>2</sub> S <sub>4</sub> heterostructure under visible light irradiation. <i>RSC Advances</i> , <b>2016</b> , 6, 83012-83019	3.7	19
127	Three-dimensional electrode interface assembled from rGO nanosheets and carbon nanotubes for highly electrocatalytic oxygen reduction. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122127	14.7	19
126	Aerobic biotransformation potential of a commercial mixture of naphthenic acids. <i>Water Research</i> , <b>2013</b> , 47, 5520-34	12.5	19
125	Role of Quaternary Ammonium Compounds on Antimicrobial Resistance in the Environment <b>2011</b> , 349-387		19
124	Effect of temperature and benzalkonium chloride on nitrate reduction. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5039-47	11	19
123	Rationally designed conjugated microporous polymers for contaminants adsorption. <i>Science of the Total Environment</i> , <b>2021</b> , 750, 141683	10.2	19
122	Transition of municipal sludge anaerobic digestion from mesophilic to thermophilic and long-term performance evaluation. <i>Bioresource Technology</i> , <b>2014</b> , 170, 385-394	11	18
121	Biotransformation of nitrosamines and precursor secondary amines under methanogenic conditions. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 8290-7	10.3	18
120	Electrochemical recovery and high value-added reutilization of heavy metal ions from wastewater: Recent advances and future trends. <i>Environment International</i> , <b>2021</b> , 152, 106512	12.9	18
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