Bingcai Pan

List of Publications by Citations

266 papers	15,030 citations	62 h-index	113 g-index
280 ext. papers	18,423 ext. citations	10.1 avg, IF	7.16 L-index

#	Paper	IF	Citations
266	Heavy metal removal from water/wastewater by nanosized metal oxides: a review. *Journal of Hazardous Materials*, **2012**, 211-212, 317-31	12.8	1476
265	Critical review in adsorption kinetic models. *Journal of Zhejiang University: Science A*, **2009**, 10, 716-724	2.1	982
264	Polymer-supported nanocomposites for environmental application: A review. *Chemical Engineering Journal*, **2011**, 170, 381-394	14.7	452
263	Development of polymeric and polymer-based hybrid adsorbents for pollutants removal from waters. *Chemical Engineering Journal*, **2009**, 151, 19-29	14.7	391
262	Fe(III)-Doped g-CN Mediated Peroxymonosulfate Activation for Selective Degradation of Phenolic Compounds via High-Valent Iron-Oxo Species. *Environmental Science & Technology*, **2018**, 52, 2197-2205	10.3	365
261	Development of polymer-based nanosized hydrated ferric oxides (HFOs) for enhanced phosphate removal from waste effluents. *Water Research*, **2009**, 43, 4421-9	12.5	241
260	Application potential of carbon nanotubes in water treatment: A review. *Journal of Environmental Sciences*, **2013**, 25, 1263-80	6.4	225
259	Nanomaterials-enabled water and wastewater treatment. *NanoImpact*, **2016**, 3-4, 22-39	5.6	217
258	Highly efficient removal of heavy metals by polymer-supported nanosized hydrated Fe(III) oxides: behavior and XPS study. *Water Research*, **2010**, 44, 815-24	12.5	204
257	Mathematically modeling fixed-bed adsorption in aqueous systems. *Journal of Zhejiang University: Science A*, **2013**, 14, 155-176	2.1	202
256	Enhanced Phosphate Removal by Nanosized Hydrated La(III) Oxide Confined in Cross-linked Polystyrene Networks. *Environmental Science & Technology*, **2016**, 50, 1447-54	10.3	199
255	Singlet oxygen mediated iron-based Fenton-like catalysis under nanoconfinement. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 6659-6664	11.5	188
254	Nitrate reduction using nanosized zero-valent iron supported by polystyrene resins: role of surface functional groups. *Water Research*, **2011**, 45, 2191-8	12.5	186
253	Selective removal of Cu(II) ions by using cation-exchange resin-supported polyethyleneimine (PEI) nanoclusters. *Environmental Science & Technology*, **2010**, 44, 3508-13	10.3	174
252	Selective Phosphate Removal from Water and Wastewater using Sorption: Process Fundamentals and Removal Mechanisms. *Environmental Science & Technology*, **2020**, 54, 50-66	10.3	164
251	Enhanced removal of fluoride by polystyrene anion exchanger supported hydrous zirconium oxide nanoparticles. *Environmental Science & Technology*, **2013**, 47, 9347-54	10.3	162
250	One-step removal of Cr(VI) at alkaline pH by UV/sulfite process: Reduction to Cr(III) and in situ Cr(III) precipitation. *Chemical Engineering Journal*, **2017**, 308, 791-797	14.7	158

249	Removal of selenium from water with nanoscale zero-valent iron: mechanisms of intraparticle reduction of Se(IV). *Water Research*, **2015**, 71, 274-81	12.5	155
248	Sorption enhancement of lead ions from water by surface charged polystyrene-supported nano-zirconium oxide composites. *Environmental Science & Technology*, **2013**, 47, 6536-44	10.3	148
247	Advances in Sulfidation of Zerovalent Iron for Water Decontamination. *Environmental Science & Technology*, **2017**, 51, 13533-13544	10.3	145
246	Use of hydrous manganese dioxide as a potential sorbent for selective removal of lead, cadmium, and zinc ions from water. *Journal of Colloid and Interface Science*, **2010**, 349, 607-12	9.3	142
245	Synthesis of Highly Selective Magnetic Mesoporous Adsorbent. *Journal of Physical Chemistry C*, **2009**, 113, 9804-9813	3.8	134
244	Enhanced Fe(III)-mediated Fenton oxidation of atrazine in the presence of functionalized multi-walled carbon nanotubes. *Water Research*, **2018**, 137, 37-46	12.5	128
243	Formation of lepidocrocite (□FeOOH) from oxidation of nanoscale zero-valent iron (nZVI) in oxygenated water. *RSC Advances*, **2014**, 4, 57377-57382	3.7	127
242	Preferable removal of phosphate from water using hydrous zirconium oxide-based nanocomposite of high stability. *Journal of Hazardous Materials*, **2015**, 284, 35-42	12.8	125
241	Enhanced Reactivity and Electron Selectivity of Sulfidated Zerovalent Iron toward Chromate under Aerobic Conditions. *Environmental Science & Technology*, **2018**, 52, 2988-2997	10.3	124
240	Decomplexation of Cu(II)-EDTA by UV/persulfate and UV/H2O2: Efficiency and mechanism. *Applied Catalysis B: Environmental*, **2017**, 200, 439-447	21.8	123
239	Selective heavy metals removal from waters by amorphous zirconium phosphate: behavior and mechanism. *Water Research*, **2007**, 41, 3103-11	12.5	123
238	Facile fabrication of magnetic chitosan beads of fast kinetics and high capacity for copper removal. *ACS Applied Materials & Interfaces*, **2014**, 6, 3421-6	9.5	122
237	Effect of effluent organic matter on the adsorption of perfluorinated compounds onto activated carbon. *Journal of Hazardous Materials*, **2012**, 225-226, 99-106	12.8	118
236	New strategy to enhance phosphate removal from water by hydrous manganese oxide. *Environmental Science & Technology*, **2014**, 48, 5101-7	10.3	116
235	Improved adsorption of 4-nitrophenol onto a novel hHyper-cross-linked polymer. *Environmental Science & Technology*, **2007**, 41, 5057-62	10.3	110
234	Sorption enhancement of aromatic sulfonates onto an aminated hyper-cross-linked polymer. *Environmental Science & Technology*, **2005**, 39, 3308-13	10.3	108
233	Highly effective removal of heavy metals by polymer-based zirconium phosphate: a case study of lead ion. *Journal of Colloid and Interface Science*, **2007**, 310, 99-105	9.3	106
232	Fabrication of polymer-supported nanosized hydrous manganese dioxide (HMO) for enhanced lead removal from waters. *Science of the Total Environment*, **2009**, 407, 5471-7	10.2	103

231	Selective sorption of lead, cadmium and zinc ions by a polymeric cation exchanger containing nano-Zr(HPO3S)2. *Environmental Science & Technology*, **2008**, 42, 4140-5	10.3	102
230	Coupled Cu(II)-EDTA degradation and Cu(II) removal from acidic wastewater by ozonation: Performance, products and pathways. *Chemical Engineering Journal*, **2016**, 299, 23-29	14.7	100
229	Adsorption and Reduction of Cr(VI) Together with Cr(III) Sequestration by Polyaniline Confined in Pores of Polystyrene Beads. *Environmental Science & Technology*, **2018**, 52, 12602-12611	10.3	100
228	Peroxymonosulfate activation by iron(III)-tetraamidomacrocyclic ligand for degradation of organic pollutants via high-valent iron-oxo complex. *Water Research*, **2018**, 147, 233-241	12.5	93
227	Efficient removal of nickel(II) from high salinity wastewater by a novel PAA/ZIF-8/PVDF hybrid ultrafiltration membrane. *Water Research*, **2018**, 143, 87-98	12.5	92
226	Simultaneous Oxidation and Sequestration of As(III) from Water by Using Redox Polymer-Based Fe(III) Oxide Nanocomposite. *Environmental Science & Technology*, **2017**, 51, 6326-6334	10.3	91
225	A new combined process for efficient removal of Cu(II) organic complexes from wastewater: Fe(III) displacement/UV degradation/alkaline precipitation. *Water Research*, **2015**, 87, 378-84	12.5	86
224	Fabrication of a new hydrous Zr(IV) oxide-based nanocomposite for enhanced Pb(II) and Cd(II) removal from waters. *ACS Applied Materials & Interfaces*, **2013**, 5, 12135-42	9.5	85
223	Bifunctional resin-ZVI composites for effective removal of arsenite through simultaneous adsorption and oxidation. *Water Research*, **2013**, 47, 6064-74	12.5	82
222	Nanoconfinement-Mediated Water Treatment: From Fundamental to Application. *Environmental Science & Technology*, **2020**, 54, 8509-8526	10.3	80
221	Fabrication of Novel Magnetic Nanoparticles of Multifunctionality for Water Decontamination. *Environmental Science & Technology*, **2016**, 50, 881-9	10.3	77
220	MIL-PVDF blend ultrafiltration membranes with ultrahigh MOF loading for simultaneous adsorption and catalytic oxidation of methylene blue. *Journal of Hazardous Materials*, **2019**, 365, 312-321	12.8	77
219	Efficient removal of Cr(III)-organic complexes from water using UV/Fe(III) system: Negligible Cr(VI) accumulation and mechanism. *Water Research*, **2017**, 126, 172-178	12.5	75
218	Enhanced fluoride removal by La-doped Li/Al layered double hydroxides. *Journal of Colloid and Interface Science*, **2018**, 509, 353-359	9.3	74
217	Chromium speciation in tannery effluent after alkaline precipitation: Isolation and characterization. *Journal of Hazardous Materials*, **2016**, 316, 169-77	12.8	73
216	Antimony(V) removal from water by hydrated ferric oxides supported by calcite sand and polymeric anion exchanger. *Journal of Environmental Sciences*, **2014**, 26, 307-14	6.4	72
215	Acid and organic resistant nano-hydrated zirconium oxide (HZO)/polystyrene hybrid adsorbent for arsenic removal from water. *Chemical Engineering Journal*, **2014**, 248, 290-296	14.7	72
214	Biodistribution and toxicity of radio-labeled few layer graphene in mice after intratracheal instillation. *Particle and Fibre Toxicology*, **2016**, 13, 7	8.4	71

213	Efficient defluoridation of water using reusable nanocrystalline layered double hydroxides impregnated polystyrene anion exchanger. *Water Research*, **2016**, 102, 109-116	12.5	70
212	Enhanced adsorption of p-nitroaniline from water by a carboxylated polymeric adsorbent. *Separation and Purification Technology*, **2007**, 57, 250-256	8.3	68
211	Selective removal of phosphate in waters using a novel of cation adsorbent: Zirconium phosphate (ZrP) behavior and mechanism. *Chemical Engineering Journal*, **2013**, 221, 315-321	14.7	67
210	Application of an effective method in predicting breakthrough curves of fixed-bed adsorption onto resin adsorbent. *Journal of Hazardous Materials*, **2005**, 124, 74-80	12.8	67
209	Arsenate Adsorption by Hydrous Ferric Oxide Nanoparticles Embedded in Cross-linked Anion Exchanger: Effect of the Host Pore Structure. *ACS Applied Materials & Interfaces*, **2016**, 8, 3012-20	9.5	65
208	Hydrous ferric oxide-resin nanocomposites of tunable structure for arsenite removal: effect of the host pore structure. *Journal of Hazardous Materials*, **2011**, 198, 241-6	12.8	65
207	Adsorptive removal of phenol from aqueous phase by using a porous acrylic ester polymer. *Journal of Hazardous Materials*, **2008**, 157, 293-9	12.8	65
206	Kinetics and efficiency of the hydrated electron-induced dehalogenation by the sulfite/UV process. *Water Research*, **2014**, 62, 220-8	12.5	64
205	Development of Fe-doped g-CN/graphite mediated peroxymonosulfate activation for degradation of aromatic pollutants via nonradical pathway. *Science of the Total Environment*, **2019**, 675, 62-72	10.2	62
204	Arsenate Removal from Aqueous Media by Nanosized Hydrated Ferric Oxide (HFO)-Loaded Polymeric Sorbents: Effect of HFO Loadings. *Industrial & Engineering Chemistry Research*, **2008**, 47, 3957-3962	3.9	62
203	Transformation of dissolved organic matter during full-scale treatment of integrated chemical wastewater: Molecular composition correlated with spectral indexes and acute toxicity. *Water Research*, **2019**, 157, 472-482	12.5	61
202	Spherical polystyrene-supported chitosan thin film of fast kinetics and high capacity for copper removal. *Journal of Hazardous Materials*, **2014**, 276, 295-301	12.8	61
201	Enhanced removal of EDTA-chelated Cu(II) by polymeric anion-exchanger supported nanoscale zero-valent iron. *Journal of Hazardous Materials*, **2017**, 321, 290-298	12.8	61
200	Coupled Effect of Ferrous Ion and Oxygen on the Electron Selectivity of Zerovalent Iron for Selenate Sequestration. *Environmental Science & Technology*, **2017**, 51, 5090-5097	10.3	60
199	Water Decontamination from Cr(III)-Organic Complexes Based on Pyrite/HO: Performance, Mechanism, and Validation. *Environmental Science & Technology*, **2018**, 52, 10657-10664	10.3	59
198	Spherical polystyrene-supported nano-Fe3O4 of high capacity and low-field separation for arsenate removal from water. *Journal of Hazardous Materials*, **2012**, 243, 319-25	12.8	59
197	Efficient As(III) removal by macroporous anion exchanger-supported Fe–Mn binary oxide: Behavior and mechanism. *Chemical Engineering Journal*, **2012**, 193-194, 131-138	14.7	59
196	Modeling batch and column phosphate removal by hydrated ferric oxide-based nanocomposite using response surface methodology and artificial neural network. *Chemical Engineering Journal*, **2014**, 249, 111-120	14.7	57

195	Effective removal of effluent organic matter (EfOM) from bio-treated coking wastewater by a recyclable aminated hyper-cross-linked polymer. *Water Research*, **2013**, 47, 4730-8	12.5	56
194	Highly Efficient Water Decontamination by Using Sub-10 nm FeOOH Confined within Millimeter-Sized Mesoporous Polystyrene Beads. *Environmental Science & Technology*, **2017**, 51, 9210-9218	10.3	55
193	Adsorption of Pb2+, Zn2+, and Cd2+ from waters by amorphous titanium phosphate. *Journal of Colloid and Interface Science*, **2008**, 318, 160-6	9.3	55
192	A comparative study on Pb2+, Zn2+ and Cd2+ sorption onto zirconium phosphate supported by a cation exchanger. *Journal of Hazardous Materials*, **2008**, 152, 469-75	12.8	55
191	Preparation of polymer-supported hydrated ferric oxide based on Donnan membrane effect and its application for arsenic removal. *Science in China Series B: Chemistry*, **2008**, 51, 379-385		54
190	Peroxydisulfate Activation and Singlet Oxygen Generation by Oxygen Vacancy for Degradation of Contaminants. *Environmental Science & Technology*, **2021**, 55, 2110-2120	10.3	52
189	Visible light photocatalytic degradation of RhB by polymer-CdS nanocomposites: role of the host functional groups. *ACS Applied Materials & Interfaces*, **2012**, 4, 3938-43	9.5	51
188	Structural, photophysical and photocatalytic properties of new Bi2SbVO7 under visible light irradiation. *Physical Chemistry Chemical Physics*, **2009**, 11, 6289-98	3.6	51
187	Preparation and preliminary assessment of polymer-supported zirconium phosphate for selective lead removal from contaminated water. *Water Research*, **2006**, 40, 2938-46	12.5	51
186	Rational Design of Antifouling Polymeric Nanocomposite for Sustainable Fluoride Removal from NOM-Rich Water. *Environmental Science & Technology*, **2017**, 51, 13363-13371	10.3	50
185	Unexpected Favorable Role of Ca in Phosphate Removal by Using Nanosized Ferric Oxides Confined in Porous Polystyrene Beads. *Environmental Science & Technology*, **2019**, 53, 365-372	10.3	50
184	New insights into nanocomposite adsorbents for water treatment: A case study of polystyrene-supported zirconium phosphate nanoparticles for lead removal. *Journal of Nanoparticle Research*, **2011**, 13, 5355-5364	2.3	49
183	Equilibrium and heat of adsorption of diethyl phthalate on heterogeneous adsorbents. *Journal of Colloid and Interface Science*, **2008**, 325, 41-7	9.3	49
182	Immobilization of polyethylenimine nanoclusters onto a cation exchange resin through self-crosslinking for selective Cu(II) removal. *Journal of Hazardous Materials*, **2011**, 190, 1037-44	12.8	48
181	Efficient removal of aromatic sulfonates from wastewater by a recyclable polymer: 2-naphthalene sulfonate as a representative pollutant. *Environmental Science & Technology*, **2008**, 42, 7411-6	10.3	48
180	Assessment on the removal of dimethyl phthalate from aqueous phase using a hydrophilic hyper-cross-linked polymer resin NDA-702. *Journal of Colloid and Interface Science*, **2007**, 311, 382-90	9.3	48
179	Adsorption of phenolic compounds from aqueous solution onto a macroporous polymer and its aminated derivative: isotherm analysis. *Journal of Hazardous Materials*, **2005**, 121, 233-41	12.8	48
178	Integrating water quality and operation into prediction of water production in drinking water treatment plants by genetic algorithm enhanced artificial neural network. *Water Research*, **2019**, 164, 114888	12.5	47

177	Simultaneous organic/inorganic removal from water using a new nanocomposite adsorbent: A case study of p-nitrophenol and phosphate. *Chemical Engineering Journal*, **2015**, 268, 399-407	14.7	47
176	Effect of sulfate on Cu(II) sorption to polymer-supported nano-iron oxides: behavior and XPS study. *Journal of Colloid and Interface Science*, **2012**, 366, 37-43	9.3	46
175	Selective Adsorption of Cd(II) and Zn(II) Ions by Nano-Hydrous Manganese Dioxide (HMO)-Encapsulated Cation Exchanger. *Industrial & Engineering Chemistry Research*, **2010**, 49, 7574-7579	3.9	45
174	Structural, photophysical and photocatalytic properties of novel Bi2AlVO7. *Journal of Hazardous Materials*, **2009**, 164, 781-9	12.8	45
173	Enhancing the Fenton-like Catalytic Activity of nFeO by MIL-53(Cu) Support: A Mechanistic Investigation. *Environmental Science & Technology*, **2020**, 54, 5258-5267	10.3	44
172	Simultaneous removal of As(V) and Cr(VI) from water by macroporous anion exchanger supported nanoscale hydrous ferric oxide composite. *Chemosphere*, **2017**, 171, 126-133	8.4	42
171	Environmentally Friendly in Situ Regeneration of Graphene Aerogel as a Model Conductive Adsorbent. *Environmental Science & Technology*, **2018**, 52, 739-746	10.3	41
170	Modeling synergistic adsorption of phenol/aniline mixtures in the aqueous phase onto porous polymer adsorbents. *Journal of Colloid and Interface Science*, **2007**, 306, 216-21	9.3	40
169	Durable activation of peroxymonosulfate mediated by Co-doped mesoporous FePO4 via charge redistribution for atrazine degradation. *Chemical Engineering Journal*, **2019**, 375, 122009	14.7	39
168	Multi-functional magnetic water purifier for disinfection and removal of dyes and metal ions with superior reusability. *Journal of Hazardous Materials*, **2018**, 347, 160-167	12.8	39
167	Catalytic dechlorination of monochlorobenzene by Pd/Fe nanoparticles immobilized within a polymeric anion exchanger. *Chemical Engineering Journal*, **2011**, 178, 161-167	14.7	39
166	Autocatalytic Decomplexation of Cu(II)-EDTA and Simultaneous Removal of Aqueous Cu(II) by UV/Chlorine. *Environmental Science & Technology*, **2019**, 53, 2036-2044	10.3	39
165	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. *Environmental Science: Nano*, **2019**, 6, 1283-1302	7.1	38
164	Diketone-Mediated Photochemical Processes for Target-Selective Degradation of Dye Pollutants. *Environmental Science and Technology Letters*, **2014**, 1, 167-171	11	38
163	Roles of oxygen-containing functional groups of O-doped g-C3N4 in catalytic ozonation: Quantitative relationship and first-principles investigation. *Applied Catalysis B: Environmental*, **2021**, 292, 120155	21.8	38
162	Efficient removal of EDTA-complexed Cu(II) by a combined Fe(III)/UV/alkaline precipitation process: Performance and role of Fe(II). *Chemosphere*, **2018**, 193, 1235-1242	8.4	37
161	Self-enhanced ozonation of benzoic acid at acidic pHs. *Water Research*, **2015**, 73, 9-16	12.5	37
160	Improving reductive performance of zero valent iron by H2O2/HCl pretreatment: A case study on nitrate reduction. *Chemical Engineering Journal*, **2018**, 334, 2255-2263	14.7	37

159	Nanoconfined Hydrated Zirconium Oxide for Selective Removal of Cu(II)-Carboxyl Complexes from High-Salinity Water via Ternary Complex Formation. *Environmental Science & Technology*, **2019**, 53, 5319-5327	10.3	36
158	Impregnating titanium phosphate nanoparticles onto a porous cation exchanger for enhanced lead removal from waters. *Journal of Colloid and Interface Science*, **2009**, 331, 453-7	9.3	36
157	Mesoporous Ce-Ti-Zr ternary oxide millispheres for efficient catalytic ozonation in bubble column. *Chemical Engineering Journal*, **2018**, 338, 261-270	14.7	35
156	A thermally stable mesoporous ZrO2□CeO2□TiO2 visible light photocatalyst. *Chemical Engineering Journal*, **2013**, 229, 118-125	14.7	34
155	Non-hydroxyl radical mediated photochemical processes for dye degradation. *Physical Chemistry Chemical Physics*, **2014**, 16, 7571-7	3.6	33
154	Flat Graphene-Enhanced Electron Transfer Involved in Redox Reactions. *Environmental Science & Technology*, **2017**, 51, 8597-8605	10.3	33
153	Adsorptive selenite removal from water using a nano-hydrated ferric oxides (HFOs)/polymer hybrid adsorbent. *Journal of Environmental Monitoring*, **2010**, 12, 305-10		33
152	Ultrasonic activation of inert poly(tetrafluoroethylene) enables piezocatalytic generation of reactive oxygen species. *Nature Communications*, **2021**, 12, 3508	17.4	33
151	Temporospatial evolution and removal mechanisms of As(V) and Se(VI) in ZVI column with HO as corrosion accelerator. *Water Research*, **2016**, 106, 461-469	12.5	33
150	Multifunctional Piezoelectric Heterostructure of BaTiO@Graphene: Decomplexation of Cu-EDTA and Recovery of Cu. *Environmental Science & Technology*, **2019**, 53, 8342-8351	10.3	32
149	Bacterial cellulose derived paper-like purifier with multifunctionality for water decontamination. *Chemical Engineering Journal*, **2019**, 371, 730-737	14.7	32
148	Effects of organic acids of different molecular size on phosphate removal by HZO-201 nanocomposite. *Chemosphere*, **2017**, 166, 422-430	8.4	32
147	Adsorption equilibrium and heat of phenol onto aminated polymeric resins from aqueous solution. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 346, 34-38	5.1	32
146	Synergetic adsorption and electrochemical classified recycling of Cr(VI) and dyes in synthetic dyeing wastewater. *Chemical Engineering Journal*, **2020**, 384, 123232	14.7	32
145	Enhanced debromination of 4-bromophenol by the UV/sulfite process: Efficiency and mechanism. *Journal of Environmental Sciences*, **2017**, 54, 231-238	6.4	31
144	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater □ perspective. *Environmental Science: Nano*, **2020**, 7, 2178-2194	7.1	31
143	Surface Chemistry of Nanosized Hydrated Ferric Oxide Encapsulated Inside Porous Polymer: Modeling and Experimental Studies. *Journal of Physical Chemistry C*, **2013**, 117, 6201-6209	3.8	31
142	Removal enhancement of 1-naphthol and 1-naphthylamine in single and binary aqueous phase by acid-basic interactions with polymer adsorbents. *Journal of Hazardous Materials*, **2008**, 158, 293-9	12.8	31

141	Preparation of an aminated macroreticular resin adsorbent and its adsorption of p-nitrophenol from water. *Journal of Hazardous Materials*, **2006**, 137, 1236-40	12.8	31
140	Enhanced chromium(VI) removal by zero-valent iron in the presence of anions and a weak magnetic field: Batch and column tests. *Chemical Engineering Journal*, **2018**, 354, 445-453	14.7	29
139	Oxalate-promoted dissolution of hydrous ferric oxide immobilized within nanoporous polymers: Effect of ionic strength and visible light irradiation. *Chemical Engineering Journal*, **2013**, 232, 167-173	14.7	29
138	Selective removal of Pb(II), Cd(II), and Zn(II) ions from waters by an inorganic exchanger Zr(HPO3S)2. *Journal of Hazardous Materials*, **2009**, 170, 824-8	12.8	29
137	Are Free Radicals the Primary Reactive Species in Co(II)-Mediated Activation of Peroxymonosulfate? New Evidence for the Role of the Co(II)-Peroxymonosulfate Complex. *Environmental Science & Technology*, **2021**, 55, 6397-6406	10.3	29
136	Highly efficient removal of phosphonates from water by a combined Fe(III)/UV/co-precipitation process. *Water Research*, **2019**, 153, 21-28	12.5	29
135	Photodegradation of Acid Orange 7 in a UV/acetylacetone process. *Chemosphere*, **2013**, 93, 2877-82	8.4	28
134	Adsorption enhancement of laterally interacting phenol/aniline mixtures onto nonpolar adsorbents. *Chemosphere*, **2007**, 66, 2044-9	8.4	28
133	N-coordinated Co containing porous carbon as catalyst with improved dispersity and stability to activate peroxymonosulfate for degradation of organic pollutants. *Chemical Engineering Journal*, **2021**, 403, 126395	14.7	28
132	Metastable Zirconium Phosphate under Nanoconfinement with Superior Adsorption Capability for Water Treatment. *Advanced Functional Materials*, **2020**, 30, 1909014	15.6	27
131	A fabrication strategy for nanosized zero valent iron (nZVI)-polymeric anion exchanger composites with tunable structure for nitrate reduction. *Journal of Hazardous Materials*, **2012**, 233-234, 1-6	12.8	27
130	A new approach to catalytic degradation of dimethyl phthalate by a macroporous OH-type strongly basic anion exchange resin. *Environmental Science & Technology*, **2010**, 44, 3130-5	10.3	27
129	A comparative study on lead sorption by amorphous and crystalline zirconium phosphates. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 322, 108-112	5.1	27
128	Enhanced removal of Se(VI) from water via pre-corrosion of zero-valent iron using HO/HCl: Effect of solution chemistry and mechanism investigation. *Water Research*, **2018**, 133, 173-181	12.5	26
127	Activation of zero-valent iron through ball-milling synthesis of hybrid Fe/FeO/FeCl microcomposite for enhanced nitrobenzene reduction. *Journal of Hazardous Materials*, **2019**, 368, 698-704	12.8	26
126	Effects of brining on the corrosion of ZVI and its subsequent As(III/V) and Se(IV/VI) removal from water. *Chemosphere*, **2017**, 170, 251-259	8.4	25
125	Electrochemically mediated nitrate reduction on nanoconfined zerovalent iron: Properties and mechanism. *Water Research*, **2020**, 173, 115596	12.5	25
124	Application of the Polanyi potential theory to phthalates adsorption from aqueous solution with hyper-cross-linked polymer resins. *Journal of Colloid and Interface Science*, **2008**, 319, 392-7	9.3	25

123	The nature and catalytic reactivity of UiO-66 supported Fe3O4 nanoparticles provide new insights into Fe-Zr dual active centers in Fenton-like reactions. *Applied Catalysis B: Environmental*, **2021**, 286, 119943	21.8	25
122	Iron oxide nanoparticles confined in mesoporous silicates for arsenic sequestration: effect of the host pore structure. *Environmental Science: Nano*, **2017**, 4, 679-688	7.1	24
121	Validation of polymer-based nano-iron oxide in further phosphorus removal from bioeffluent: laboratory and scaledup study. *Frontiers of Environmental Science and Engineering*, **2013**, 7, 435-441	5.8	24
120	A new strategy to address the challenges of nanoparticles in practical water treatment: mesoporous nanocomposite beads via flash freezing. *Nanoscale*, **2017**, 9, 19154-19161	7.7	24
119	Sorption enhancement of 1-naphthol onto a hydrophilic hyper-cross-linked polymer resin. *Journal of Hazardous Materials*, **2009**, 163, 53-7	12.8	24
118	Temperature regulated adsorption and desorption of heavy metals to A-MIL-121: Mechanisms and the role of exchangeable protons. *Water Research*, **2021**, 189, 116599	12.5	24
117	Analysis of trace phosphonates in authentic water samples by pre-methylation and LC-Orbitrap MS/MS. *Water Research*, **2019**, 161, 78-88	12.5	23
116	Enhanced separation of nanoscale zero-valent iron (nZVI) using polyacrylamide: Performance, characterization and implication. *Chemical Engineering Journal*, **2015**, 260, 616-622	14.7	23
115	Dual-functional millisphere of anion-exchanger-supported nanoceria for synergistic As(III) removal with stoichiometric H2O2: Catalytic oxidation and sorption. *Chemical Engineering Journal*, **2019**, 360, 982-989	14.7	23
114	Recyclable polymer-based nano-hydrous manganese dioxide for highly efficient Tl(I) removal from water. *Science China Chemistry*, **2014**, 57, 763-771	7.9	22
113	Synthesis and catalytic activity of new Gd2BiSbO7 and Gd2YSbO7 nanocatalysts. *Journal of Molecular Catalysis A*, **2010**, 321, 1-9		22
112	Removal of aromatic sulfonates from aqueous media by aminated polymeric sorbents: Concentration-dependent selectivity and the application. *Microporous and Mesoporous Materials*, **2008**, 116, 63-69	5.3	22
111	Non-radical pathway dominated catalytic oxidation of As(III) with stoichiometric HO over nanoceria. *Environment International*, **2019**, 124, 393-399	12.9	21
110	Enhanced removal of arsenic from a highly laden industrial effluent using a combined coprecipitation/nano-adsorption process. *Environmental Science and Pollution Research*, **2014**, 21, 6729-35	5.1	21
109	FeS2/H2O2 mediated water decontamination from p-arsanilic acid via coupling oxidation, adsorption and coagulation: Performance and mechanism. *Chemical Engineering Journal*, **2020**, 381, 122667	14.7	21
108	Unveiling the transformation of dissolved organic matter during ozonation of municipal secondary effluent based on FT-ICR-MS and spectral analysis. *Water Research*, **2021**, 188, 116484	12.5	21
107	Struvite-based phosphorus recovery from the concentrated bioeffluent by using HFO nanocomposite adsorption: Effect of solution chemistry. *Chemosphere*, **2015**, 141, 227-34	8.4	20
106	Enhanced HO production from ozonation activated by EDTA. *Chemical Engineering Journal*, **2016**, 288, 562-568	14.7	20

105	Enhanced Defluoridation Using Novel Millisphere Nanocomposite of La-Doped Li-Al Layered Double Hydroxides Supported by Polymeric Anion Exchanger. *Scientific Reports*, **2018**, 8, 11741	4.9	20
104	Acetylacetone as an efficient electron shuttle for concerted redox conversion of arsenite and nitrate in the opposite direction. *Water Research*, **2017**, 124, 331-340	12.5	20
103	Impregnating Zirconium Phosphate onto Porous Polymers for Lead Removal from Waters: Effect of Nanosized Particles and Polymer Chemistry. *Industrial & Engineering Chemistry Research*, **2009**, 48, 4495-4499	3.9	20
102	Selective interfacial oxidation of organic pollutants in Fenton-like system mediated by Fe(III)-adsorbed carbon nanotubes. *Applied Catalysis B: Environmental*, **2021**, 292, 120193	21.8	20
101	Enhanced visible light responsive photocatalytic activity of TiO2-based nanocrystallites: impact of doping sequence. *RSC Advances*, **2015**, 5, 7363-7369	3.7	19
100	Is ozonation environmentally benign for reverse osmosis concentrate treatment? Four-level analysis on toxicity reduction based on organic matter fractionation. *Chemosphere*, **2018**, 191, 971-978	8.4	19
99	Adsorption and desorption hysteresis of 4-nitrophenol on a hyper-cross-linked polymer resin NDA-701. *Journal of Hazardous Materials*, **2009**, 168, 1217-22	12.8	19
98	Soft Particles Enable Fast and Selective Water Transport through Graphene Oxide Membranes. *Nano Letters*, **2020**, 20, 7327-7332	11.5	19
97	Cooperative adsorption behaviours of 1-naphthol and 1-naphthylamine onto nonpolar macroreticular adsorbents. *Reactive and Functional Polymers*, **2006**, 66, 485-493	4.6	18
96	Structural Evolution of Lanthanum Hydroxides during Long-Term Phosphate Mitigation: Effect of Nanoconfinement. *Environmental Science & Technology*, **2021**, 55, 665-676	10.3	18
95	Integrating cationic metal-organic frameworks with ultrafiltration membrane for selective removal of perchlorate from Water. *Journal of Hazardous Materials*, **2020**, 381, 120961	12.8	18
94	Efficient Removal of Trace Se(VI) by Millimeter-Sized Nanocomposite of Zerovalent Iron Confined in Polymeric Anion Exchanger. *Industrial & Engineering Chemistry Research*, **2017**, 56, 5309-5317	3.9	17
93	Fluoride uptake by three lanthanum based nanomaterials: Behavior and mechanism dependent upon lanthanum species. *Science of the Total Environment*, **2019**, 683, 609-616	10.2	17
92	Ionic polymer-coated laccase with high activity and enhanced stability: application in the decolourisation of water containing AO7. *Scientific Reports*, **2015**, 5, 8253	4.9	17
91	Enhanced Nitrobenzene reduction by zero valent iron pretreated with HO/HCl. *Chemosphere*, **2018**, 197, 494-501	8.4	17
90	Simple fabrication of polymer-based Trametes versicolor laccase for decolorization of malachite green. *Bioresource Technology*, **2012**, 115, 16-20	11	17
89	Modeling cooperative adsorption of aromatic compounds in aqueous solutions to nonpolar adsorbent. *Separation and Purification Technology*, **2006**, 49, 130-135	8.3	17
88	Trace Co coupled with phosphate triggers efficient peroxymonosulfate activation for organic degradation. *Journal of Hazardous Materials*, **2021**, 409, 124920	12.8	17

87	Removal of model dyes on charged UF membranes: Experiment and simulation. *Chemosphere*, **2020**, 240, 124940	8.4	17
86	Utilization of gel-type polystyrene host for immobilization of nano-sized hydrated zirconium oxides: A new strategy for enhanced phosphate removal. *Chemosphere*, **2021**, 263, 127938	8.4	17
85	Potential of acetylacetone as a mediator for Trametes versicolor laccase in enzymatic transformation of organic pollutants. *Environmental Science and Pollution Research*, **2015**, 22, 10882-9	5.1	16
84	Structural Property and Catalytic Activity of New In2YbSbO7 and Gd2YbSbO7 Nanocatalysts under Visible Light Irradiation. *Journal of Physical Chemistry C*, **2010**, 114, 9398-9407	3.8	16
83	A comparative study of the adsorption properties of 1-naphthylamine by XAD-4 and NDA-150 polymer resins. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 331, 257-262	5.1	16
82	Unravelling molecular transformation of dissolved effluent organic matter in UV/HO, UV/persulfate, and UV/chlorine processes based on FT-ICR-MS analysis. *Water Research*, **2021**, 199, 117158	12.5	16
81	Molecular identification guided process design for advanced treatment of electroless nickel plating effluent. *Water Research*, **2020**, 168, 115211	12.5	15
80	Occurrence and transformation of phosphonates in textile dyeing wastewater along full-scale combined treatment processes. *Water Research*, **2020**, 184, 116173	12.5	15
79	Sorption enhancement of nickel(II) from wastewater by ZIF-8 modified with poly (sodium 4-styrenesulfonate): Mechanism and kinetic study. *Chemical Engineering Journal*, **2021**, 414, 128812	14.7	15
78	Enhanced Fenton-like Oxidation of As(III) over Ce-Ti Binary Oxide: A New Strategy to Tune Catalytic Activity via Balancing Bimolecular Adsorption Energies. *Environmental Science & Technology*, **2020**, 54, 5893-5901	10.3	15
77	A novel combined process for efficient removal of Se(VI) from sulfate-rich water: Sulfite/UV/Fe(III) coagulation. *Chemosphere*, **2018**, 211, 867-874	8.4	14
76	A new polymer-based laccase for decolorization of AO7: long-term storage and mediator reuse. *Bioresource Technology*, **2014**, 164, 248-53	11	14
75	Iron in non-hydroxyl radical mediated photochemical processes for dye degradation: Catalyst or inhibitor?. *Chemosphere*, **2015**, 131, 55-62	8.4	13
74	Light-triggered reversible sorption of azo dyes on titanium xerogels with photo-switchable acetylacetonato anchors. *Chemical Communications*, **2014**, 50, 1086-8	5.8	13
73	Iron-mediated oxidation of arsenic(III) by oxygen and hydrogen peroxide: dispersed versus resin-supported zero-valent iron. *Journal of Colloid and Interface Science*, **2014**, 428, 179-84	9.3	13
72	The photochemistry of carbon nanotubes and its impact on the photo-degradation of dye pollutants in aqueous solutions. *Journal of Colloid and Interface Science*, **2015**, 439, 98-104	9.3	13
71	Research on Photocatalytic Degradation Pathway and Degradation Mechanisms of Organics. *Current Organic Chemistry*, **2010**, 14, 645-682	1.7	13
70	Synergistic effect on phenol/aniline mixture adsorption on nonpolar resin adsorbents from aqueous solution. *Reactive and Functional Polymers*, **2006**, 66, 395-401	4.6	13

69	Weakly hydrophobic nanoconfinement by graphene aerogels greatly enhances the reactivity and ambient stability of reactivity of MIL-101-Fe in Fenton-like reaction. *Nano Research*, **2021**, 14, 2383	10	13
68	Molecular-scale investigation of fluoride sorption mechanism by nanosized hydroxyapatite using F solid-state NMR spectroscopy. *Journal of Colloid and Interface Science*, **2019**, 557, 357-366	9.3	12
67	Mesoporous polyacrylonitrile membrane with ultrahigh loading of well-dispersed Fe2O3 nanoparticles: A powerful phosphate scavenger Enabling inhibition of microbial regrowth in Treated Water. *Journal of Membrane Science*, **2020**, 603, 118048	9.6	12
66	Research on Different Preparation Methods of New Photocatalysts. *Current Organic Chemistry*, **2010**, 14, 683-698	1.7	12
65	Fabrication of anion exchanger resin/nano-CdS composite photocatalyst for visible light RhB degradation. *Nanotechnology*, **2011**, 22, 305707	3.4	12
64	Toward Selective Oxidation of Contaminants in Aqueous Systems. *Environmental Science & Technology*, **2021**, 55, 14494-14514	10.3	12
63	The Fenton Reaction in Water Assisted by Picolinic Acid: Accelerated Iron Cycling and Co-generation of a Selective Fe-Based Oxidant. *Environmental Science & Technology*, **2021**, 55, 8299-8308	10.3	12
62	Highly efficient photodegradation of various organic pollutants in water: Rational structural design of photocatalyst via thiol-ene click reaction. *Chemical Engineering Journal*, **2020**, 381, 122631	14.7	12
61	Degradation of phosphonates in Co(II)/peroxymonosulfate process: Performance and mechanism. *Water Research*, **2021**, 202, 117397	12.5	12
60	Origin of the improved reactivity of MoS2 single crystal by confining lattice Fe atom in peroxymonosulfate-based Fenton-like reaction. *Applied Catalysis B: Environmental*, **2021**, 298, 120537	21.8	12
59	Surface chemistry of polymer-supported nano-hydrated ferric oxide for arsenic removal: effect of host pore structure. *Science China Chemistry*, **2015**, 58, 722-730	7.9	11
58	A preliminary exploration on Au nanoparticles-mediated colorimetric analysis of Cr(III)-carboxyl complexes in synthetic and authentic water samples. *Chemical Engineering Journal*, **2020**, 387, 124079	14.7	11
57	Validation of a combined Fe(III)/UV/NaOH process for efficient removal of carboxyl complexed Ni from synthetic and authentic effluents. *Chemosphere*, **2019**, 234, 917-924	8.4	11
56	Effect of CdS distribution on the photocatalytic performance of resin-CdS nanocomposites. *Chemical Engineering Journal*, **2011**, 174, 351-356	14.7	11
55	Treatment of aqueous diethyl phthalate by adsorption using a functional polymer resin. *Environmental Technology (United Kingdom)*, **2011**, 32, 145-53	2.6	11
54	Highly efficient and environmentally benign As(III) pre-oxidation in water by using a solid redox polymer. *Chemosphere*, **2017**, 175, 300-306	8.4	10
53	Effect of spatial distribution and aging of ZVI on the reactivity of resin-ZVI composites for arsenite removal. *Journal of Materials Science*, **2014**, 49, 7073-7079	4.3	10
52	A settling curve modeling method for quantitative description of the dispersion stability of carbon nanotubes in aquatic environments. *Journal of Environmental Sciences*, **2015**, 29, 1-10	6.4	10

51	Application of heterogeneous adsorbents in removal of dimethyl phthalate: Equilibrium and heat. *AICHE Journal*, **2010**, 56, 2699-2705	3.6	10
50	Enhancing the performance of Fenton-like oxidation by a dual-layer membrane: A sequential interception-oxidation process. *Journal of Hazardous Materials*, **2021**, 402, 123766	12.8	10
49	Enhanced removal of arsenic from water by using sub-10□hm hydrated zirconium oxides confined inside gel-type anion exchanger. *Journal of Hazardous Materials*, **2021**, 414, 125505	12.8	10
48	Enhanced removal of p-chloroaniline from aqueous solution by a carboxylated polymeric sorbent. *Journal of Hazardous Materials*, **2007**, 143, 462-8	12.8	9
47	Revisiting the phenanthroline and ferrozine colorimetric methods for quantification of Fe(II) in Fenton reactions. *Chemical Engineering Journal*, **2020**, 391, 123592	14.7	9
46	Exploring mechanisms of different active species formation in heterogeneous Fenton systems by regulating iron chemical environment. *Applied Catalysis B: Environmental*, **2021**, 295, 120282	21.8	9
45	Deep removal of arsenite from water with no need for pre-oxidation or in-line oxidation. *Chemical Engineering Journal*, **2020**, 401, 126046	14.7	8
44	Preparation and performance evaluation of resin-derived carbon spheres for desulfurization of fuels. *Science China Chemistry*, **2013**, 56, 393-398	7.9	7
43	Cooperative effect of lateral acid□base interaction on 1-naphthol/1-naphthylamine binary adsorption onto nonpolar polymer adsorbents. *Separation and Purification Technology*, **2007**, 55, 141-146	8.3	7
42	Facet-dependent phosphate adsorptive reactivity by lanthanum hydroxides of different crystal structure: Role of surface hydroxyl groups. *Applied Surface Science*, **2021**, 538, 147910	6.7	7
41	Bioregeneration of hyper-cross-linked polymeric resin preloaded with phenol. *Bioresource Technology*, **2013**, 142, 701-5	11	6
40	Development of cation exchanger-based nano-CdS hybrid catalyst for visible-light photodegradation of rhodamine B from water. *Science China Chemistry*, **2012**, 55, 409-415	7.9	6
39	Enhanced production of methane in anaerobic water treatment as mediated by the immobilized fungi. *Water Research*, **2021**, 190, 116761	12.5	6
38	Enhanced removal of selenate from mining effluent by HO/HCl-pretreated zero-valent iron. *Water Science and Technology*, **2018**, 78, 2404-2413	2.2	6
37	Dual-Functionalized MIL-101(Cr) for the Selective Enrichment and Ultrasensitive Analysis of Trace Per- and Poly-fluoroalkyl Substances. *Analytical Chemistry*, **2021**, 93, 11116-11122	7.8	6
36	Metastable nano-zirconium phosphate inside gel-type ion exchanger for enhanced removal of heavy metals. *Journal of Hazardous Materials*, **2022**, 423, 127158	12.8	6
35	Effect of 3-D distribution of ZVI nanoparticles confined in polymeric anion exchanger on EDTA-chelated Cu(II) removal. *Environmental Science and Pollution Research*, **2019**, 26, 10013-10022	5.1	5
34	The correlation between structural characteristics of activated carbons and their adsorption of organic solutes from aqueous solutions. *Adsorption*, **2012**, 18, 229-238	2.6	5

33	Competitive and Cooperative Adsorption of Aromatic Acids and Bases onto a New Aminated Macroreticular Adsorbent. *Adsorption Science and Technology*, **2005**, 23, 751-762	3.6	5
32	New insights into the fractionation of effluent organic matter on diagnosis of key composition affecting advanced phosphate removal by Zr-based nanocomposite. *Water Research*, **2020**, 186, 116299	12.5	5
31	Validation of pilot-scale phosphate polishing removal from surface water by lanthanum-based polymeric nanocomposite. *Chemical Engineering Journal*, **2021**, 412, 128630	14.7	5
30	Polymer and Polymer-Based Nanocomposite Adsorbents for Water Treatment. *Springer Series on Polymer and Composite Materials*, **2019**, 93-119	0.9	5
29	Tributylhexadecylphosphonium Modification Strategy to Construct Gold Nanoprobes for the Detection of Aqueous Cr(III)-Organic Complexes. *Analytical Chemistry*, **2021**, 93, 1811-1817	7.8	5
28	A human cell panel for evaluating safe application of nano-ZrO/polymer composite in water remediation. *Ecotoxicology and Environmental Safety*, **2018**, 166, 474-481	7	5
27	Improved performance and prolonged lifetime of titania-based materials: sequential use as adsorbent and photocatalyst. *Science China Chemistry*, **2015**, 58, 1211-1219	7.9	4
26	Photochemical activation of seemingly inert SO in specific water environments. *Chemosphere*, **2019**, 214, 399-407	8.4	4
25	Regulation of Photosynthesis in Bloom-Forming Cyanobacteria with the Simplest Diketone. *Environmental Science & Technology*, **2021**, 55, 14173-14184	10.3	4
24	MnO as an Electron Shuttle between Peroxymonosulfate and Organic Pollutants: The Dominant Role of Surface Reactive Mn(IV) Species.. *Environmental Science & Technology*, **2022**,	10.3	4
23	Enhanced Arsenite Removal from Silicate-containing Water by Using Redox Polymer-based Fe(III) Oxides Nanocomposite. *Water Research*, **2021**, 189, 116673	12.5	3
22	Importance of High-Valent Iron Complex and Reactive Radicals in Organic Contaminants Abatement by the Fe-TAML/Free Chlorine System. *ACS ES&T Engineering*,		3
21	Phosphorus Binding by Lanthanum Modified Pyroaurite-like Clay: Performance and Mechanisms. *ACS ES&T Engineering*,		3
20	Enhanced Photochemical/Electrochemical Performance of Graphene Benefited from Morphological Change as Substrate of Typical Composites. *Advanced Materials Interfaces*, **2018**, 5, 1800035	4.6	2
19	Revisiting the Heterogeneous Peroxymonosulfate Activation by MoS2: a Surface Mo Peroxymonosulfate Complex as the Major Reactive Species. *ACS ES&T Water*, **2022**, 2, 376-384		2
18	Construction of model platforms to probe the confinement effect of nanocomposite-enabled water treatment. *Chemical Engineering Journal Advances*, **2022**, 9, 100229	3.6	2
17	Metal-free biomass with abundant carbonyl groups as efficient catalyst for the activation of peroxymonosulfate and degradation of sulfamethoxazole. *Chemical Engineering Journal*, **2022**, 430, 132767	14.7	2
16	Ferroelectric membrane for water purification with arsenic as model pollutant. *Chemical Engineering Journal*, **2021**, 403, 126426	14.7	2

15	New Insights into the Activation of Peracetic Acid by Co(II): Role of Co(II)-Peracetic Acid Complex as the Dominant Intermediate Oxidant. *ACS ES&T Engineering*,		2
14	Photochemical Synthesis of Selenium Nanospheres of Tunable Size and Colloidal Stability with Simple Diketones. *Langmuir*, **2021**, 37, 9793-9801	4	2
13	Membrane cleaning strategy via in situ oscillation driven by piezoelectricity. *Journal of Membrane Science*, **2021**, 638, 119722	9.6	2
12	Recent Patents on Polymeric Adsorbents and their Derivatives for Pollutants Removal from Aqueous Media: A Mini-Review. *Recent Patents on Engineering*, **2008**, 2, 122-131	0.3	1
11	Self-Enhanced Selective Oxidation of Phosphonate into Phosphate by Cu(II)/HO: Performance, Mechanism, and Validation.. *Environmental Science & Technology*, **2021**,	10.3	1
10	Porous nanocomposites for water treatment: past, present, and future **2020**, 479-503		1
9	Enhanced methane production during long-term UASB operation at high organic loads as enabled by the immobilized Fungi. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	1
8	Selective removal of organic phosphonates via coupling hyper-cross-linked resin with nanoconfined hydrated oxides. *Chemical Engineering Journal*, **2022**, 428, 132620	14.7	1
7	Coupling of biostimulation and bioaugmentation for enhanced bioremoval of chloroethylenes and BTEX from clayey soil. *Ecotoxicology*, **2021**, 30, 1446-1453	2.9	1
6	In-situ forming Sub-2 nm hydrous iron oxide particles in MOFs for deep-treatment and high anti-interference in arsenic removal. *Chemical Engineering Journal*, **2021**, 431, 133813	14.7	0
5	Highly efficient removal of arsenite from water by using renewable sub-5□hm Zr-Mn binary oxides confined inside gel-type ion exchanger. *Chemical Engineering Journal*, **2022**, 431, 134082	14.7	0
4	Enhanced water decontamination from methylated arsenic by utilizing ultra-small hydrated zirconium oxides encapsulated inside gel-type anion exchanger. *Chemical Engineering Journal*, **2021**, 430, 132641	14.7	0
3	Phosphorus in water: A review on the speciation analysis and species specific removal strategies. *Critical Reviews in Environmental Science and Technology*,1-22	11.1	0
2	Scenario oriented strategies for phosphorus management by using environmental nanotechnology. *Current Opinion in Chemical Engineering*, **2021**, 34, 100720	5.4	
1	Catalytic Aerobic Oxidation of P(I)/P(III) into P(V) over PdNi10 as a Low-Cost Alternative Catalyst Rivaling Pd. *Chemical Engineering Journal*, **2022**, 136892	14.7	