

J Paul Chen

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.

141
papers

11,258
citations

56
h-index

104
g-index

147
ext. papers

12,738
ext. citations

8.9
avg, IF

6.91
L-index

#	Paper	IF	Citations
141	Decontamination of arsenite by a nano-sized lanthanum peroxide composite through a simultaneous treatment process combined with spontaneously catalytic oxidation and adsorption reactions. <i>Chemical Engineering Journal</i> , 2022 , 435, 135082	14.7	2
140	Cost-effective phosphorus removal from aqueous solution by a chitosan/lanthanum hydrogel bead: Material development, characterization of uptake process and investigation of mechanisms. <i>Chemosphere</i> , 2022 , 286, 131458	8.4	1
139	An optimized CaO-functionalized alginate bead for simultaneous and efficient removal of phosphorous and harmful cyanobacteria. <i>Science of the Total Environment</i> , 2022 , 806, 150382	10.2	3
138	Amorphous Metal-Organic Framework UiO-66-NO ₂ for Removal of Oxyanion Pollutants: Towards Improved Performance and Effective Reusability. <i>Separation and Purification Technology</i> , 2022 , 121014	8.3	0
137	Leaching of organic matters and formation of disinfection by-product as a result of presence of microplastics in natural freshwaters.. <i>Chemosphere</i> , 2022 , 134300	8.4	1
136	A new carbon nanotube modified by nano CaO ₂ for removal of chromate and phosphate from aqueous solutions. <i>Chemical Engineering Journal</i> , 2022 , 136845	14.7	0
135	Gadolinium(III) terephthalate metal-organic framework for rapid sequestration of phosphate in 10 min: Material development and adsorption study.. <i>Chemosphere</i> , 2021 , 133498	8.4	2
134	Adsorption of organic and inorganic arsenic from aqueous solution: Optimization, characterization and performance of Fe-Mn-Zr ternary magnetic sorbent. <i>Chemosphere</i> , 2021 , 132634	8.4	1
133	Modification of polyvinylidene fluoride membrane by silver nanoparticles-graphene oxide hybrid nanosheet for effective membrane biofouling mitigation. <i>Chemosphere</i> , 2021 , 268, 129187	8.4	18
132	Ultrafiltration membrane fouling by microplastics with raw water: Behaviors and alleviation methods. <i>Chemical Engineering Journal</i> , 2021 , 410, 128174	14.7	10
131	Kinetics and Mechanism Investigation of Selective Arsenite Oxidation by Reactive Iodine Species in Hydrogen Peroxide and Iodide (H ₂ O ₂ /I ⁻) System. <i>ACS ES&T Water</i> , 2021 , 1, 1515-1523		2
130	Great enhancement in phosphate uptake onto lanthanum carbonate grafted microfibrus composite under a low-voltage electrostatic field. <i>Chemosphere</i> , 2021 , 264, 128378	8.4	12
129	Simultaneous oxidation and removal of arsenite by Fe(III)/CaO Fenton-like technology. <i>Water Research</i> , 2021 , 201, 117312	12.5	13
128	Microcystis aeruginosa removal by peroxides of hydrogen peroxide, peroxymonosulfate and peroxydisulfate without additional activators. <i>Water Research</i> , 2021 , 201, 117263	12.5	10
127	Incorporation of lanthanum particles to polyethersulfone ultrafiltration membrane for specific phosphorus uptake: Method comparison and performance assessment. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 242-253	9.3	2
126	Improvement of Ultrafiltration for Treatment of Phosphorus-Containing Water by a Lanthanum-Modified Aminated Polyacrylonitrile Membrane. <i>ACS Omega</i> , 2020 , 5, 7170-7181	3.9	17
125	An innovative lanthanum carbonate grafted microfibrus composite for phosphate adsorption in wastewater. <i>Journal of Hazardous Materials</i> , 2020 , 392, 121952	12.8	40

124	Hydrothermally synthesized lanthanum carbonate nanorod for adsorption of phosphorus: Material synthesis and optimization, and demonstration of excellent performance. <i>Chemical Engineering Journal</i> , 2020 , 380, 122153	14.7	62
123	Electrospun spongy zero-valent iron as excellent electro-Fenton catalyst for enhanced sulfathiazole removal by a combination of adsorption and electro-catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2019 , 371, 576-585	12.8	34
122	A new adsorbent of gadolinium-1,4-benzenedicarboxylate composite for better phosphorous removal in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2019 , 543, 343-351	9.3	11
121	Iron catalyzed degradation of an aromatic polyamide reverse osmosis membrane by free chlorine. <i>Journal of Membrane Science</i> , 2019 , 577, 205-211	9.6	12
120	Development and characterization of yttrium-ferric binary composite for treatment of highly concentrated arsenate wastewater. <i>Journal of Hazardous Materials</i> , 2019 , 361, 348-356	12.8	25
119	Quantitative assessment of the iron-catalyzed degradation of a polyamide nanofiltration membrane by hydrogen peroxide. <i>Journal of Membrane Science</i> , 2019 , 588, 117154	9.6	10
118	Yttrium-doped iron oxide magnetic adsorbent for enhancement in arsenic removal and ease in separation after applications. <i>Journal of Colloid and Interface Science</i> , 2018 , 521, 252-260	9.3	34
117	Degradation of organic compounds during the corrosion of ZVI by hydrogen peroxide at neutral pH: Kinetics, mechanisms and effect of corrosion promoting and inhibiting ions. <i>Water Research</i> , 2018 , 134, 44-53	12.5	46
116	Microplastics in freshwater systems: A review on occurrence, environmental effects, and methods for microplastics detection. <i>Water Research</i> , 2018 , 137, 362-374	12.5	687
115	Catalytic effect of iron on the tolerance of thin-film composite polyamide reverse osmosis membranes to hydrogen peroxide. <i>Journal of Membrane Science</i> , 2018 , 548, 91-98	9.6	12
114	Treatment of methylene blue containing wastewater by a cost-effective micro-scale biochar/polysulfone mixed matrix hollow fiber membrane: Performance and mechanism studies. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 190-197	9.3	28
113	An innovative yttrium nanoparticles/PVA modified PSF membrane aiming at decontamination of arsenate. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 658-666	9.3	15
112	Rare-earth metal based adsorbents for effective removal of arsenic from water: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2018 , 48, 1127-1164	11.1	35
111	Effect of CNT content on physicochemical properties and performance of CNT composite polysulfone membranes. <i>Chemical Engineering Research and Design</i> , 2017 , 121, 92-98	5.5	21
110	Effects of monochloramine and hydrogen peroxide on the bacterial community shifts in biologically treated wastewater. <i>Chemosphere</i> , 2017 , 189, 399-406	8.4	14
109	Development of a novel biochar/PSF mixed matrix membrane and study of key parameters in treatment of copper and lead contaminated water. <i>Chemosphere</i> , 2017 , 186, 1033-1045	8.4	26
108	The tolerance of a thin-film composite polyamide reverse osmosis membrane to hydrogen peroxide exposure. <i>Journal of Membrane Science</i> , 2017 , 524, 529-536	9.6	28
107	Cerium oxide modified activated carbon as an efficient and effective adsorbent for rapid uptake of arsenate and arsenite: Material development and study of performance and mechanisms. <i>Chemical Engineering Journal</i> , 2017 , 315, 630-638	14.7	68

106	Applications of water stable metal-organic frameworks. <i>Chemical Society Reviews</i> , 2016 , 45, 5107-34	58.5	737
105	A metal-organic framework/Alumina composite with a novel geometry for enhanced adsorptive separation. <i>Chemical Communications</i> , 2016 , 52, 8869-72	5.8	23
104	Facile synthesis of highly active hydrated yttrium oxide towards arsenate adsorption. <i>Journal of Colloid and Interface Science</i> , 2016 , 474, 216-22	9.3	24
103	Fabrication and testing of zirconium-based nanoparticle-doped activated carbon fiber for enhanced arsenic removal in water. <i>RSC Advances</i> , 2016 , 6, 27020-27030	3.7	28
102	Application of Zirconium/PVA Modified Flat-Sheet PVDF Membrane for the Removal of Phosphate from Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 6835-6844	3.9	15
101	Zirconium/polyvinyl alcohol modified flat-sheet polyvinylidene fluoride membrane for decontamination of arsenic: Material design and optimization, study of mechanisms, and application prospects. <i>Chemosphere</i> , 2016 , 155, 630-639	8.4	25
100	Zirconium/PVA modified flat-sheet PVDF membrane as a cost-effective adsorptive and filtration material: A case study on decontamination of organic arsenic in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2016 , 477, 191-200	9.3	20
99	Treatment of lead contaminated water by a PVDF membrane that is modified by zirconium, phosphate and PVA. <i>Water Research</i> , 2016 , 101, 564-573	12.5	88
98	Key factors for optimum performance in phosphate removal from contaminated water by a Fe-Mg-La tri-metal composite sorbent. <i>Journal of Colloid and Interface Science</i> , 2015 , 445, 303-311	9.3	76
97	A review on polyamide thin film nanocomposite (TFN) membranes: History, applications, challenges and approaches. <i>Water Research</i> , 2015 , 80, 306-24	12.5	466
96	Separation of tetracycline from wastewater using forward osmosis process with thin film composite membrane – Implications for antibiotics recovery. <i>Separation and Purification Technology</i> , 2015 , 153, 76-83	8.3	59
95	Introduction and demonstration of a novel Pb(II)-imprinted polymeric membrane with high selectivity and reusability for treatment of lead contaminated water. <i>Journal of Colloid and Interface Science</i> , 2015 , 439, 162-9	9.3	46
94	Modification of carbon derived from Sargassum sp. by lanthanum for enhanced adsorption of fluoride. <i>Journal of Colloid and Interface Science</i> , 2015 , 441, 113-20	9.3	66
93	Adsorption of fluoride by Fe/Mg/La triple-metal composite: Adsorbent preparation, illustration of performance and study of mechanisms. <i>Chemical Engineering Journal</i> , 2015 , 262, 839-846	14.7	104
92	Superior removal of arsenic from water with zirconium metal-organic framework UiO-66. <i>Scientific Reports</i> , 2015 , 5, 16613	4.9	225
91	Introduction of an Yttrium/Manganese Binary Composite That Has Extremely High Adsorption Capacity for Arsenate Uptake in Different Water Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3000-3008	3.9	35
90	A comprehensive review on biosorption of heavy metals by algal biomass: materials, performances, chemistry, and modeling simulation tools. <i>Bioresource Technology</i> , 2014 , 160, 67-78	11	428
89	A zirconium-based nanoparticle: essential factors for sustainable application in treatment of fluoride containing water. <i>Journal of Colloid and Interface Science</i> , 2014 , 416, 227-34	9.3	39

88	Fabrication and performance of a MnIIa metal composite for remarkable decontamination of fluoride. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8086	13	29
87	Performance of an optimized Zr-based nanoparticle-embedded PSF blend hollow fiber membrane in treatment of fluoride contaminated water. <i>Water Research</i> , 2014 , 56, 88-97	12.5	83
86	A novel Zr-based nanoparticle-embedded PSF blend hollow fiber membrane for treatment of arsenate contaminated water: Material development, adsorption and filtration studies, and characterization. <i>Journal of Membrane Science</i> , 2014 , 452, 433-445	9.6	74
85	Cu(II)-Imprinted Poly(vinyl alcohol)/Poly(acrylic acid) Membrane for Greater Enhancement in Sequestration of Copper Ion in the Presence of Competitive Heavy Metal Ions: Material Development, Process Demonstration, and Study of Mechanisms. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 20223-20233	3.9	39
84	A novel route to the engineering of zirconium immobilized nano-scale carbon for arsenate removal from water. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8636	13	66
83	Simultaneous removal of arsenate and arsenite by a nanostructured zirconium-manganese binary hydrous oxide: behavior and mechanism. <i>Journal of Colloid and Interface Science</i> , 2013 , 397, 137-43	9.3	54
82	Removal of methylated arsenic using a nanostructured zirconia-based sorbent: process performance and adsorption chemistry. <i>Journal of Colloid and Interface Science</i> , 2012 , 367, 362-9	9.3	27
81	A low-energy intensive electrochemical system for the eradication of Escherichia coli from ballast water: process development, disinfection chemistry, and kinetics modeling. <i>Marine Pollution Bulletin</i> , 2012 , 64, 1238-45	6.7	21
80	Combination of electroreduction with biosorption for enhancement for removal of hexavalent chromium. <i>Journal of Colloid and Interface Science</i> , 2012 , 385, 147-53	9.3	24
79	Electrochemical Decoloration of Synthetic Wastewater Containing Rhodamine 6G: Behaviors and Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5953-5960	3.9	35
78	Removal of arsenite from aqueous solution by a zirconia nanoparticle. <i>Chemical Engineering Journal</i> , 2012 , 188, 15-22	14.7	79
77	Functionalization of regenerated cellulose membrane via surface initiated atom transfer radical polymerization for boron removal from aqueous solution. <i>Langmuir</i> , 2011 , 27, 6018-25	4	56
76	Improvement of metal adsorption onto chitosan/Sargassum sp. composite sorbent by an innovative ion-imprint technology. <i>Water Research</i> , 2011 , 45, 145-54	12.5	129
75	Uptake of methylated arsenic by a polymeric adsorbent: process performance and adsorption chemistry. <i>Water Research</i> , 2011 , 45, 2290-6	12.5	33
74	Design and fabrication of an innovative and environmental friendly adsorbent for boron removal. <i>Water Research</i> , 2011 , 45, 2297-305	12.5	82
73	Electrochemical disinfection for ballast water management: technology development and risk assessment. <i>Marine Pollution Bulletin</i> , 2011 , 63, 119-23	6.7	38
72	Preparation and characterization of chitosan encapsulated Sargassum sp. biosorbent for nickel ions sorption. <i>Bioresource Technology</i> , 2011 , 102, 2821-8	11	74
71	Adsorptive removal of arsenic from aqueous solution by a PVDF/zirconia blend flat sheet membrane. <i>Journal of Membrane Science</i> , 2011 , 374, 1-11	9.6	128

70	A zirconium based nanoparticle for significantly enhanced adsorption of arsenate: Synthesis, characterization and performance. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 785-92	9.3	99
69	Application of nuclear magnetic resonance spectroscopy, Fourier transform infrared spectroscopy, UV-Visible spectroscopy and kinetic modeling for elucidation of adsorption chemistry in uptake of tetracycline by zeolite beta. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 261-7	9.3	56
68	Enhanced adsorption of arsenate onto a natural polymer-based sorbent by surface atom transfer radical polymerization. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 234-9	9.3	37
67	Characterization of hexavalent chromium interaction with Sargassum by X-ray absorption fine structure spectroscopy, X-ray photoelectron spectroscopy, and quantum chemistry calculation. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 741-8	9.3	31
66	Adsorptive removal of arsenic from water by an iron-zirconium binary oxide adsorbent. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 230-7	9.3	195
65	An XPS study for mechanisms of arsenate adsorption onto a magnetite-doped activated carbon fiber. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 232-8	9.3	122
64	Systematic study of synergistic and antagonistic effects on adsorption of tetracycline and copper onto a chitosan. <i>Journal of Colloid and Interface Science</i> , 2010 , 344, 117-25	9.3	191
63	Preparation and evaluation of a magnetite-doped activated carbon fiber for enhanced arsenic removal. <i>Carbon</i> , 2010 , 48, 60-67	10.4	142
62	Effect of Hexavalent Chromium on Performance of Membrane Bioreactor in Wastewater Treatment. <i>Journal of Environmental Engineering, ASCE</i> , 2009 , 135, 796-805	2	5
61	Removal of copper by calcium alginate encapsulated magnetic sorbent. <i>Chemical Engineering Journal</i> , 2009 , 152, 509-513	14.7	65
60	Uptake of arsenate by an alginate-encapsulated magnetic sorbent: process performance and characterization of adsorption chemistry. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 33-9	9.3	34
59	Spectroscopic study of Zn ²⁺ and Co ²⁺ binding to extracellular polymeric substances (EPS) from aerobic granules. <i>Journal of Colloid and Interface Science</i> , 2009 , 335, 11-7	9.3	110
58	Preparation and characterization of zirconium-based magnetic sorbent for arsenate removal. <i>Journal of Colloid and Interface Science</i> , 2009 , 338, 22-9	9.3	73
57	Electrochemical Removal of Rhodamine 6G by Using RuO ₂ Coated Ti DSA. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 7466-7473	3.9	39
56	Organic arsenic adsorption onto a magnetic sorbent. <i>Langmuir</i> , 2009 , 25, 4973-8	4	115
55	Treatment of black liquor of paper-making by combined process of acid-producing white rot fungus – anaerobic hydrolysis – contact oxidation – internal electrolysis. <i>International Journal of Environment and Pollution</i> , 2009 , 38, 56	0.7	
54	Characterization of copper adsorption onto an alginate encapsulated magnetic sorbent by a combined FT-IR, XPS, and mathematical modeling study. <i>Environmental Science & Technology</i> , 2008 , 42, 2551-6	10.3	253
53	Dendrimer hydrazides as multivalent transient inter-cellular linkers. <i>Biomaterials</i> , 2008 , 29, 3693-3702	15.6	20

52	Biosorption of copper by immobilized marine algal biomass. <i>Chemical Engineering Journal</i> , 2008 , 136, 156-163	14.7	50
51	Biosorption of hexavalent chromium onto raw and chemically modified Sargassum sp. <i>Bioresource Technology</i> , 2008 , 99, 297-307	11	165
50	Photocatalytic Treatment of Wastewater Contaminated with Organic Waste and Copper Ions from the Semiconductor Industry. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 6566-6571	3.9	23
49	Synthesis of an innovative calcium-alginate magnetic sorbent for removal of multiple contaminants. <i>Applied Surface Science</i> , 2007 , 253, 5772-5775	6.7	62
48	Proton interaction in phosphate adsorption onto goethite. <i>Journal of Colloid and Interface Science</i> , 2007 , 308, 40-8	9.3	46
47	Determination of lead biosorption properties by experimental and modeling simulation study. <i>Chemical Engineering Journal</i> , 2007 , 131, 209-215	14.7	38
46	Emerging Biosorption, Adsorption, Ion Exchange, and Membrane Technologies 2007 , 367-390		2
45	Biosorption of Heavy Metal Ions (Pb, Cu, and Cd) from Aqueous Solutions by the Marine Alga Sargassum sp. in Single- and Multiple-Metal Systems. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 2438-2444	3.9	123
44	Modification of Activated Carbon by Polyaniline for Enhanced Adsorption of Aqueous Arsenate. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 2133-2140	3.9	91
43	Ultraviolet Radiation for Disinfection 2006 , 317-366		7
42	Study of a heavy metal biosorption onto raw and chemically modified Sargassum sp. via spectroscopic and modeling analysis. <i>Langmuir</i> , 2006 , 22, 8906-14	4	130
41	Explosive Waste Treatment 2006 , 429-440		
40	Membrane Filtration 2006 , 203-259		12
39	Scalable encapsulation of hepatocytes by electrostatic spraying. <i>Journal of Biotechnology</i> , 2005 , 117, 99-109	3.7	37
38	Chemical Modification of Sargassum sp. for Prevention of Organic Leaching and Enhancement of Uptake during Metal Biosorption. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 9931-9942	3.9	141
37	Flow Equalization and Neutralization 2005 , 21-45		10
36	Recovery of precious metals by an electrochemical deposition method. <i>Chemosphere</i> , 2005 , 60, 1384-92	8.4	73
35	Optimization of high-yield biological synthesis of single-crystalline gold nanoplates. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15256-63	3.4	182

34	Biosorption Performance of Two Brown Marine Algae for Removal of Chromium and Cadmium. <i>Journal of Dispersion Science and Technology</i> , 2005 , 25, 679-686	1.5	39
33	Electrolysis 2005 , 359-378		5
32	Sorption of lead, copper, cadmium, zinc, and nickel by marine algal biomass: characterization of biosorptive capacity and investigation of mechanisms. <i>Journal of Colloid and Interface Science</i> , 2004 , 275, 131-41	9.3	818
31	Simultaneous adsorption of copper ions and humic acid onto an activated carbon. <i>Journal of Colloid and Interface Science</i> , 2004 , 280, 334-42	9.3	106
30	Modeling Investigation of Hydrogel Volume Transition. <i>Macromolecular Theory and Simulations</i> , 2004 , 13, 13-29	1.5	64
29	Modeling Investigation of Volume Variation Kinetics of Fast Response Hydrogels. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2004 , 44, 113-130		25
28	Acid/Base-treated activated carbons: characterization of functional groups and metal adsorptive properties. <i>Langmuir</i> , 2004 , 20, 2233-42	4	264
27	Characterization of metal adsorption kinetic properties in batch and fixed-bed reactors. <i>Chemosphere</i> , 2004 , 54, 397-404	8.4	91
26	Explosive Waste Treatment 2004 , 1113-1124		1
25	Effects of chemical and physical properties of influent on copper sorption onto activated carbon fixed-bed columns. <i>Carbon</i> , 2003 , 41, 1635-1644	10.4	58
24	Surface modification of a granular activated carbon by citric acid for enhancement of copper adsorption. <i>Carbon</i> , 2003 , 41, 1979-1986	10.4	294
23	Behaviors and mechanisms of copper adsorption on hydrolyzed polyacrylonitrile fibers. <i>Journal of Colloid and Interface Science</i> , 2003 , 260, 265-72	9.3	181
22	Optimization of membrane physical and chemical cleaning by a statistically designed approach. <i>Journal of Membrane Science</i> , 2003 , 219, 27-45	9.6	164
21	Aminated Polyacrylonitrile Fibers for Lead and Copper Removal. <i>Langmuir</i> , 2003 , 19, 5058-5064	4	305
20	Study on feed pretreatment for membrane filtration of secondary effluent. <i>Separation and Purification Technology</i> , 2002 , 29, 171-179	8.3	92
19	Dried waste activated sludge as biosorbents for metal removal: adsorptive characterization and prevention of organic leaching. <i>Journal of Chemical Technology and Biotechnology</i> , 2002 , 77, 657-662	3.5	44
18	Effects of competitive ions, humic acid, and pH on removal of ammonium and phosphorous from the synthetic industrial effluent by ion exchange resins. <i>Waste Management</i> , 2002 , 22, 711-9	8.6	85
17	Elucidation of Interactions between Metal Ions and Ca Alginate-Based Ion-Exchange Resin by Spectroscopic Analysis and Modeling Simulation. <i>Langmuir</i> , 2002 , 18, 9413-9421	4	191

16	Modeling of Depleted Uranium Transport in Subsurface Systems. <i>Water, Air, and Soil Pollution</i> , 2002 , 140, 173-201	2.6	20
15	Key factors in chemical reduction by hydrazine for recovery of precious metals. <i>Chemosphere</i> , 2002 , 49, 363-70	8.4	111
14	Surface charge and metal ion adsorption on an H-type activated carbon: experimental observation and modeling simulation by the surface complex formation approach. <i>Carbon</i> , 2001 , 39, 1491-1504	10.4	77
13	Novel cake characteristics of waste-activated sludge. <i>Water Research</i> , 2001 , 35, 1358-62	12.5	19
12	Equilibrium and kinetics of metal ion adsorption onto a commercial H-type granular activated carbon: experimental and modeling studies. <i>Water Research</i> , 2001 , 35, 2385-94	12.5	145
11	CHARACTERIZATION OF A Ca-ALGINATE BASED ION-EXCHANGE RESIN AND ITS APPLICATIONS IN LEAD, COPPER, AND ZINC REMOVAL. <i>Separation Science and Technology</i> , 2001 , 36, 3617-3637	2.5	43
10	Study on EDTA-chelated copper adsorption by granular activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 2000 , 75, 791-797	3.5	14
9	Advanced primary treatment of waste water using a bio-flocculation-adsorption sedimentation process. <i>Acta Biotechnologica</i> , 2000 , 20, 53-64		32
8	Removing copper, zinc, and lead ion by granular activated carbon in pretreated fixed-bed columns. <i>Separation and Purification Technology</i> , 2000 , 19, 157-167	8.3	106
7	Lead removal from synthetic wastewater by crystallization in a fluidized-bed reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2000 , 35, 817-835	2.3	25
6	Comprehensive Investigation of Important Factors Governing Metal-Ion Adsorption by an H-Type Granular Activated Carbon. <i>Separation Science and Technology</i> , 2000 , 35, 2063-2081	2.5	12
5	Modeling of metal ion sorption phenomena in environmental systems. <i>Studies in Surface Science and Catalysis</i> , 1999 , 120, 285-317	1.8	6
4	Equilibrium and Kinetic Studies of Copper Ion Uptake by Calcium Alginate. <i>Environmental Science & Technology</i> , 1997 , 31, 1433-1439	10.3	89
3	Equilibrium and kinetic studies of copper adsorption by activated carbon. <i>Separation and Purification Technology</i> , 1996 , 6, 133-146		54
2	Remediation of Heavy Metals in the Environment		9
1	Critical review on lanthanum-based materials used for water purification through adsorption of inorganic contaminants. <i>Critical Reviews in Environmental Science and Technology</i> , 1-52	11.1	5