Baoliang Chen

List of Publications by Year in Descending Order

166 papers	12,452 citations	55 h-index	110 g-index
171 ext. papers	14,665 ext. citations	9.6 avg, IF	7.35 L-index

#	Paper	IF	Citations
166	Microfluidics as an Emerging Platform for Exploring Soil Environmental Processes: A Critical Review.. *Environmental Science & Technology*, **2022**,	10.3	4
165	Enhanced photocatalytic hydrogen peroxide production at a solid-liquid-air interface via microenvironment engineering. *Applied Catalysis B: Environmental*, **2022**, 305, 121066	21.8	0
164	Synergistic oxytetracycline adsorption and peroxydisulfate-driven oxidation on nitrogen and sulfur co-doped porous carbon spheres. *Journal of Hazardous Materials*, **2022**, 424, 127444	12.8	3
163	Adhesion force evolution of protein on the surfaces with varied hydration extent: Quantitative determination via atomic force microscopy. *Journal of Colloid and Interface Science*, **2022**, 608, 255-264	9.3	2
162	Self-assembled fungus-biochar composite pellets (FBPs) for enhanced co-sorption-biodegradation towards phenanthrene. *Chemosphere*, **2022**, 286, 131887	8.4	2
161	Reduction and removal of Cr(VI) in water using biosynthesized palladium nanoparticles loaded Shewanella oneidensis MR-1. *Science of the Total Environment*, **2022**, 805, 150336	10.2	4
160	Overall photosynthesis of HO by an inorganic semiconductor.. *Nature Communications*, **2022**, 13, 1034	17.4	11
159	Biochar-based asymmetric membrane for selective removal and oxidation of hydrophobic organic pollutants.. *Chemosphere*, **2022**, 134509	8.4	
158	Facile nitrogen doping in fungal hyphae-derived biochars via cooperation of microbial culture and pyrolysis for efficient catalytic reduction of 4-nitrophenol.. *Chemosphere*, **2022**, 134526	8.4	0
157	Occurrence and transformation of unknown organochlorines in the wastewater treatment plant using specific Fragment-Based method with LC Q-TOF MS.. *Water Research*, **2022**, 216, 118372	12.5	1
156	Graphene nanofiltration membrane intercalated with AgNP@g-C3N4 for efficient water purification and photocatalytic self-cleaning performance. *Chemical Engineering Journal*, **2022**, 441, 136089	14.7	0
155	Multilayered graphene oxide membrane with precisely controlled interlayer spacing for separation of molecules with very close molecular weights. *Journal of Membrane Science*, **2022**, 657, 120678	9.6	0
154	High-Flux pH-Responsive Ultrafiltration Membrane for Efficient Nanoparticle Fractionation. *ACS Applied Materials & Interfaces*, **2021**, 13, 56575-56583	9.5	1
153	In situ scrutinize the adsorption of sulfamethoxazole in water using AFM force spectroscopy: Molecular adhesion force determination and fractionation.. *Journal of Hazardous Materials*, **2021**, 426, 128128	12.8	0
152	Constructing the Support as a Microreactor and Regenerator for Highly Active and In Situ Regenerative Hydrogenation Catalyst. *Advanced Functional Materials*, **2021**, 31, 2100971	15.6	2
151	Heterogeneous Hydrogenation Catalysts: Constructing the Support as a Microreactor and Regenerator for Highly Active and In Situ Regenerative Hydrogenation Catalyst (Adv. Funct. Mater. 22/2021). *Advanced Functional Materials*, **2021**, 31, 2170159	15.6	1
150	Selectively coupled small Pd nanoparticles on sp-hybridized domain of graphene-based aerogel with enhanced catalytic activity and stability. *Science of the Total Environment*, **2021**, 771, 145396	10.2	4

149	Facile synthesis of porous CoFe2O4/graphene aerogel for catalyzing efficient removal of organic pollutants. *Science of the Total Environment*, **2021**, 775, 143398	10.2	10
148	Uniformly Dispersed Metal Sulfide Nanodots on g-C3N4 as Bifunctional Catalysts for High-Efficiency Photocatalytic H2 and H2O2 Production under Visible-Light Irradiation. *Energy & Fuels*, **2021**, 35, 10746-10755	4.1	6
147	Janus Membrane with Bioinspired Heterogeneous Morphology for Efficient Fog Harvesting. *ACS ES&T Engineering*, **2021**, 1, 1217-1226		1
146	In situ quantitative determination of the intermolecular attraction between amines and a graphene surface using atomic force microscopy. *Journal of Colloid and Interface Science*, **2021**, 581, 385-395	9.3	9
145	Concurrent enhancement of structure stability and adsorption capacity of freeze-dried graphene oxide aerogels via the removal of oxidation debris nanoparticles on nanosheets. *Environmental Science: Nano*, **2021**, 8, 1000-1009	7.1	3
144	Konjac glucomannan biopolymer as a multifunctional binder to build a solid permeable interface on Na3V2(PO4)3/C cathodes for high-performance sodium ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 9864-9874	13	6
143	Simultaneously Tuning Band Structure and Oxygen Reduction Pathway toward High-Efficient Photocatalytic Hydrogen Peroxide Production Using Cyano-Rich Graphitic Carbon Nitride. *Advanced Functional Materials*, **2021**, 31, 2105731	15.6	19
142	High Sample Throughput LED Reactor for Facile Characterization of the Quantum Yield Spectrum of Photochemically Produced Reactive Intermediates. *Environmental Science & Technology*, **2021**, 55, 16204-16214	10.3	4
141	Bimetal organic framework/graphene oxide derived magnetic porous composite catalyst for peroxymonosulfate activation in fast organic pollutant degradation. *Journal of Hazardous Materials*, **2021**, 419, 126427	12.8	7
140	Multiple roles of humic acid in the photogeneration of reactive bromine species using a chemical probe method. *Environmental Pollution*, **2021**, 286, 117658	9.3	1
139	Reduced graphene oxide/TiO(B) immobilized on nylon membrane with enhanced photocatalytic performance. *Science of the Total Environment*, **2021**, 799, 149370	10.2	2
138	Contribution of enrofloxacin and Cu to the antibiotic resistance of bacterial community in a river biofilm. *Environmental Pollution*, **2021**, 291, 118156	9.3	1
137	Enhanced Microbial Ferrihydrite Reduction by Pyrogenic Carbon: Impact of Graphitic Structures.. *Environmental Science & Technology*, **2021**,	10.3	1
136	Cobalt (II)-based open-framework systems constructed on g-C3N4 for extraordinary enhancing photocatalytic hydrogen evolution. *Applied Catalysis B: Environmental*, **2020**, 277, 119207	21.8	20
135	Novel photocatalytic performance of nanocage-like MIL-125-NH2 induced by adsorption of phenolic pollutants. *Environmental Science: Nano*, **2020**, 7, 1525-1538	7.1	14
134	Magnetic biochar supported □MnO nanorod for adsorption enhanced degradation of 4-chlorophenol via activation of peroxydisulfate. *Science of the Total Environment*, **2020**, 724, 138278	10.2	27
133	Nanoscale Profiling of 2D Surface Hydrophobicity Recognition of Environmental Media via AFM Measurements In Situ. *Environmental Science & Technology*, **2020**, 54, 9315-9324	10.3	4
132	Ultrathin graphene oxide membrane with constructed tent-shaped structures for efficient and tunable molecular sieving. *Environmental Science: Nano*, **2020**, 7, 2373-2384	7.1	3

131	Dual-function ultrafiltration membrane constructed from pure activated carbon particles via facile nanostructure reconstruction for high-efficient water purification. *Carbon*, **2020**, 168, 254-263	10.4	4
130	Application of biochar-based materials in environmental remediation: from multi-level structures to specific devices. *Biochar*, **2020**, 2, 1-31	10	60
129	Novel insights into effects of silicon-rich biochar (Sichar) amendment on cadmium uptake, translocation and accumulation in rice plants. *Environmental Pollution*, **2020**, 265, 114772	9.3	16
128	Effects of biochar nanoparticles on seed germination and seedling growth. *Environmental Pollution*, **2020**, 256, 113409	9.3	24
127	Immobilizing 1-3 nm Ag nanoparticles in reduced graphene oxide aerogel as a high-effective catalyst for reduction of nitroaromatic compounds. *Environmental Pollution*, **2020**, 256, 113405	9.3	10
126	Biochar-amendment-reduced cotransport of graphene oxide nanoparticles and dimethyl phthalate in saturated porous media. *Science of the Total Environment*, **2020**, 705, 135094	10.2	8
125	Low-pressure driven electrospun membrane with tuned surface charge for efficient removal of polystyrene nanoplastics from water. *Journal of Membrane Science*, **2020**, 614, 118470	9.6	27
124	Designing a Nanoscale Three-phase Electrochemical Pathway to Promote Pt-catalyzed Formaldehyde Oxidation. *Nano Letters*, **2020**, 20, 8719-8724	11.5	4
123	Proton uptake behaviors of organic and inorganic matters in biochars prepared under different pyrolytic temperatures. *Science of the Total Environment*, **2020**, 746, 140853	10.2	1
122	Scalable graphene oxide membranes with tunable water channels and stability for ion rejection. *Environmental Science: Nano*, **2019**, 6, 904-915	7.1	30
121	In situ photochemical fabrication of CdS/g-C3N4 nanocomposites with high performance for hydrogen evolution under visible light. *Applied Catalysis B: Environmental*, **2019**, 256, 117848	21.8	74
120	A nonradical reaction-dominated phenol degradation with peroxydisulfate catalyzed by nitrogen-doped graphene. *Science of the Total Environment*, **2019**, 667, 287-296	10.2	31
119	pH-dependent sorption of sulfonamide antibiotics onto biochars: Sorption mechanisms and modeling. *Environmental Pollution*, **2019**, 248, 48-56	9.3	42
118	Reconsideration of heterostructures of biochars: Morphology, particle size, elemental composition, reactivity and toxicity. *Environmental Pollution*, **2019**, 254, 113017	9.3	19
117	Stable Graphene-Based Membrane with pH-Responsive Gates for Advanced Molecular Separation. *Environmental Science & Technology*, **2019**, 53, 10398-10407	10.3	15
116	Linking hydrophobicity of biochar to the water repellency and water holding capacity of biochar-amended soil. *Environmental Pollution*, **2019**, 253, 779-789	9.3	47
115	Effect of fulvic acid coating on biochar surface structure and sorption properties towards 4-chlorophenol. *Science of the Total Environment*, **2019**, 691, 595-604	10.2	12
114	Membrane hydrophilicity switching via molecular design and re-construction of the functional additive for enhanced fouling resistance. *Journal of Membrane Science*, **2019**, 588, 117222	9.6	12

113	Driving forces linking microbial community structure and functions to enhanced carbon stability in biochar-amended soil. *Environment International*, **2019**, 133, 105211	12.9	22
112	Environmental Effects of Silicon within Biochar (Sichar) and Carbon-Silicon Coupling Mechanisms: A Critical Review. *Environmental Science & Technology*, **2019**, 53, 13570-13582	10.3	39
111	Effects of biochar amendment on the soil silicon cycle in a soil-rice ecosystem. *Environmental Pollution*, **2019**, 248, 823-833	9.3	21
110	Underwater superoleophobic PVA□GO nanofibrous membranes for emulsified oily water purification. *Environmental Science: Nano*, **2019**, 6, 3723-3733	7.1	10
109	Facile fabrication of Shewanella@graphene core-shell material and its enhanced performance in nitrobenzene reduction. *Science of the Total Environment*, **2019**, 658, 324-332	10.2	6
108	Durable Superhydrophobic/Superoleophilic Graphene-Based Foam for High-Efficiency Oil Spill Cleanups and Recovery. *Environmental Science & Technology*, **2019**, 53, 1509-1517	10.3	53
107	Understanding the mechanisms of soil water repellency from nanoscale to ecosystem scale: a review. *Journal of Soils and Sediments*, **2019**, 19, 171-185	3.4	40
106	Porous PVdF/GO Nanofibrous Membranes for Selective Separation and Recycling of Charged Organic Dyes from Water. *Environmental Science & Technology*, **2018**, 52, 4265-4274	10.3	95
105	Nanocomposite Membrane with Polyethylenimine-Grafted Graphene Oxide as a Novel Additive to Enhance Pollutant Filtration Performance. *Environmental Science & Technology*, **2018**, 52, 5920-5930	10.3	63
104	Application of graphene-based materials in water purification: from the nanoscale to specific devices. *Environmental Science: Nano*, **2018**, 5, 1264-1297	7.1	73
103	Insight into Multiple and Multilevel Structures of Biochars and Their Potential Environmental Applications: A Critical Review. *Environmental Science & Technology*, **2018**, 52, 5027-5047	10.3	349
102	Reduced bioavailability and plant uptake of polycyclic aromatic hydrocarbons from soil slurry amended with biochars pyrolyzed under various temperatures. *Environmental Science and Pollution Research*, **2018**, 25, 16991-17001	5.1	16
101	Adsorption and desorption of phthalic acid esters on graphene oxide and reduced graphene oxide as affected by humic acid. *Environmental Pollution*, **2018**, 232, 505-513	9.3	52
100	Biochar composite membrane for high performance pollutant management: Fabrication, structural characteristics and synergistic mechanisms. *Environmental Pollution*, **2018**, 233, 1013-1023	9.3	15
99	Covalently cross-linked graphene oxide aerogel with stable structure for high-efficiency water purification. *Chemical Engineering Journal*, **2018**, 354, 896-904	14.7	50
98	Inoculation of soil with an Isoproturon degrading microbial community reduced the pool of "real non-extractable" Isoproturon residues. *Ecotoxicology and Environmental Safety*, **2018**, 149, 182-189	7	10
97	Stable graphene oxide/poly(ethyleneimine) 3D aerogel with tunable surface charge for high performance selective removal of ionic dyes from water. *Chemical Engineering Journal*, **2018**, 334, 1119-1127	14.7	82
96	Facile fabrication of crumpled graphene oxide nanosheets and its Platinum nanohybrids for high efficient catalytic activity. *Environmental Pollution*, **2018**, 243, 1810-1817	9.3	10

95	Enhanced bisphenol A removal from stormwater in biochar-amended biofilters: Combined with batch sorption and fixed-bed column studies. *Environmental Pollution*, **2018**, 243, 1539-1549	9.3	40
94	Self-Assembled Nano-FeO(OH)/Reduced Graphene Oxide Aerogel as a Reusable Catalyst for Photo-Fenton Degradation of Phenolic Organics. *Environmental Science & Technology*, **2018**, 52, 7043-7053	10.3	66
93	Biochar Impacts on Soil Silicon Dissolution Kinetics and their Interaction Mechanisms. *Scientific Reports*, **2018**, 8, 8040	4.9	24
92	Water clusters contributed to molecular interactions of ionizable organic pollutants with aromatized biochar via PAHB: Sorption experiments and DFT calculations. *Environmental Pollution* , **2018**, 240, 342-352	9.3	23
91	Aggregation Kinetics and Self-Assembly Mechanisms of Graphene Quantum Dots in Aqueous Solutions: Cooperative Effects of pH and Electrolytes. *Environmental Science & Technology*, **2017**, 51, 1364-1376	10.3	71
90	A New Insight of Graphene oxide-Fe(III) Complex Photochemical Behaviors under Visible Light Irradiation. *Scientific Reports*, **2017**, 7, 40711	4.9	22
89	Structural characteristics of biochar-graphene nanosheet composites and their adsorption performance for phthalic acid esters. *Chemical Engineering Journal*, **2017**, 319, 9-20	14.7	123
88	Dependence of Plant Uptake and Diffusion of Polycyclic Aromatic Hydrocarbons on the Leaf Surface Morphology and Micro-structures of Cuticular Waxes. *Scientific Reports*, **2017**, 7, 46235	4.9	26
87	A Direct Observation of the Fine Aromatic Clusters and Molecular Structures of Biochars. *Environmental Science & Technology*, **2017**, 51, 5473-5482	10.3	109
86	Effects and mechanisms of biochar-microbe interactions in soil improvement and pollution remediation: A review. *Environmental Pollution*, **2017**, 227, 98-115	9.3	381
85	Sorption of Poly- and Perfluoroalkyl Substances (PFASs) Relevant to Aqueous Film-Forming Foam (AFFF)-Impacted Groundwater by Biochars and Activated Carbon. *Environmental Science & Technology*, **2017**, 51, 6342-6351	10.3	165
84	Membranes prepared from graphene-based nanomaterials for sustainable applications: a review. *Environmental Science: Nano*, **2017**, 4, 2267-2285	7.1	36
83	Sugar Cane-Converted Graphene-like Material for the Superhigh Adsorption of Organic Pollutants from Water via Coassembly Mechanisms. *Environmental Science & Technology*, **2017**, 51, 12644-12652	10.3	40
82	Effect of culturing temperatures on cadmium phytotoxicity alleviation by biochar. *Environmental Science and Pollution Research*, **2017**, 24, 23843-23849	5.1	7
81	Facile fabrication of freestanding all-carbon activated carbon membranes for high-performance and universal pollutant management. *Journal of Materials Chemistry A*, **2017**, 5, 20316-20326	13	11
80	Synergistic effects of 2D graphene oxide nanosheets and 1D carbon nanotubes in the constructed 3D carbon aerogel for high performance pollutant removal. *Chemical Engineering Journal*, **2017**, 314, 336-346	14.7	73
79	Direct Observation, Molecular Structure, and Location of Oxidation Debris on Graphene Oxide Nanosheets. *Environmental Science & Technology*, **2016**, 50, 8568-77	10.3	44
78	H/C atomic ratio as a smart linkage between pyrolytic temperatures, aromatic clusters and sorption properties of biochars derived from diverse precursory materials. *Scientific Reports*, **2016**, 6, 22644	4.9	106

77	Size effects of graphene oxide nanosheets on the construction of three-dimensional graphene-based macrostructures as adsorbents. *Journal of Materials Chemistry A*, **2016**, 4, 12106-12118	13	55
76	Organic Pollutant Penetration through Fruit Polyester Skin: A Modified Three-compartment Diffusion Model. *Scientific Reports*, **2016**, 6, 23554	4.9	10
75	Novel Alleviation Mechanisms of Aluminum Phytotoxicity via Released Biosilicon from Rice Straw-Derived Biochars. *Scientific Reports*, **2016**, 6, 29346	4.9	34
74	Wrinkles and Folds of Activated Graphene Nanosheets as Fast and Efficient Adsorptive Sites for Hydrophobic Organic Contaminants. *Environmental Science & Technology*, **2016**, 50, 3798-808	10.3	129
73	Aggregation, Adsorption, and Morphological Transformation of Graphene Oxide in Aqueous Solutions Containing Different Metal Cations. *Environmental Science & Technology*, **2016**, 50, 11066-11075	10.3	194
72	Adsorption and coadsorption of organic pollutants and a heavy metal by graphene oxide and reduced graphene materials. *Chemical Engineering Journal*, **2015**, 281, 379-388	14.7	241
71	Resolution of Adsorption and Partition Components of Organic Compounds on Black Carbons. *Environmental Science & Technology*, **2015**, 49, 9116-23	10.3	37
70	Graphene-coated materials using silica particles as a framework for highly efficient removal of aromatic pollutants in water. *Scientific Reports*, **2015**, 5, 11641	4.9	61
69	Macroscopic and spectroscopic investigations of the adsorption of nitroaromatic compounds on graphene oxide, reduced graphene oxide, and graphene nanosheets. *Environmental Science & Technology*, **2015**, 49, 6181-9	10.3	255
68	Combined (1)H NMR and LSER study for the compound-specific interactions between organic contaminants and organobentonites. *Journal of Colloid and Interface Science*, **2015**, 460, 119-27	9.3	4
67	Synthesis, decoration and properties of three-dimensional graphene-based macrostructures: A review. *Chemical Engineering Journal*, **2015**, 264, 753-771	14.7	199
66	Environmental applications of three-dimensional graphene-based macrostructures: adsorption, transformation, and detection. *Environmental Science & Technology*, **2015**, 49, 67-84	10.3	416
65	Organic carbon and inorganic silicon speciation in rice-bran-derived biochars affect its capacity to adsorb cadmium in solution. *Journal of Soils and Sediments*, **2015**, 15, 60-70	3.4	70
64	Interaction Mechanisms between Biochar and Organic Pollutants. *SSSA Special Publication Series*, **2015**, 225-257	0	2
63	Sulfonated graphene nanosheets as a superb adsorbent for various environmental pollutants in water. *Environmental Science & Technology*, **2015**, 49, 7364-72	10.3	205
62	Competitive adsorption of cadmium and aluminum onto fresh and oxidized biochars during aging processes. *Journal of Soils and Sediments*, **2015**, 15, 1130-1138	3.4	69
61	Quantification of chemical states, dissociation constants and contents of oxygen-containing groups on the surface of biochars produced at different temperatures. *Environmental Science & Technology*, **2015**, 49, 309-17	10.3	205
60	The effect of structural compositions on the biosorption of phenanthrene and pyrene by tea leaf residue fractions as model biosorbents. *Environmental Science and Pollution Research*, **2014**, 21, 3318-30	5.1	8

59	Removal of polycyclic aromatic hydrocarbons from aqueous solution by raw and modified plant residue materials as biosorbents. *Journal of Environmental Sciences*, **2014**, 26, 737-48	6.4	64
58	Interactions of aluminum with biochars and oxidized biochars: implications for the biochar aging process. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 373-80	5.7	191
57	Facile fabrication of stable monolayer and few-layer graphene nanosheets as superior sorbents for persistent aromatic pollutant management in water. *Journal of Materials Chemistry A*, **2014**, 2, 18219-18224	13	52
56	Self-assembly of graphene oxide aerogels by layered double hydroxides cross-linking and their application in water purification. *Journal of Materials Chemistry A*, **2014**, 2, 8941-8951	13	141
55	Insights on the molecular mechanism for the recalcitrance of biochars: interactive effects of carbon and silicon components. *Environmental Science & Technology*, **2014**, 48, 9103-12	10.3	125
54	Aromatic and hydrophobic surfaces of wood-derived biochar enhance perchlorate adsorption via hydrogen bonding to oxygen-containing organic groups. *Environmental Science & Technology*, **2014**, 48, 279-88	10.3	248
53	Transformation, morphology, and dissolution of silicon and carbon in rice straw-derived biochars under different pyrolytic temperatures. *Environmental Science & Technology*, **2014**, 48, 3411-9	10.3	276
52	Organic pollutant clustered in the plant cuticular membranes: visualizing the distribution of phenanthrene in leaf cuticle using two-photon confocal scanning laser microscopy. *Environmental Science & Technology*, **2014**, 48, 4774-81	10.3	48
51	Metal composition of layered double hydroxides (LDHs) regulating ClO(-)4 adsorption to calcined LDHs via the memory effect and hydrogen bonding. *Journal of Environmental Sciences*, **2014**, 26, 493-501	6.4	34
50	Perchlorate uptake and molecular mechanisms by magnesium/aluminum carbonate layered double hydroxides and the calcined layered double hydroxides. *Chemical Engineering Journal*, **2014**, 237, 38-46	14.7	47
49	Adsorption of polycyclic aromatic hydrocarbons by graphene and graphene oxide nanosheets. *Environmental Science & Technology*, **2014**, 48, 4817-25	10.3	539
48	Biosorption and biodegradation of polycyclic aromatic hydrocarbons by Phanerochaete chrysosporium in aqueous solution. *Science Bulletin*, **2013**, 58, 613-621		32
47	Dual role of biochars as adsorbents for aluminum: the effects of oxygen-containing organic components and the scattering of silicate particles. *Environmental Science & Technology*, **2013**, 47, 8759-68	10.3	72
46	Investigation of thermodynamic parameters in the pyrolysis conversion of biomass and manure to biochars using thermogravimetric analysis. *Bioresource Technology*, **2013**, 146, 485-493	11	306
45	Triplex blue-shifting hydrogen bonds of ClO4(-)⋯H-C in the nanointerlayer of montmorillonite complexed with cetyltrimethylammonium cation from hydrophilic to hydrophobic properties. *Environmental Science & Technology*, **2013**, 47, 11013-22	10.3	10
44	Effective alleviation of aluminum phytotoxicity by manure-derived biochar. *Environmental Science & Technology*, **2013**, 47, 2737-45	10.3	110
43	Environmental transport behaviors of perchlorate as an emerging pollutant and their effects on food safety and health risk. *Chinese Science Bulletin*, **2013**, 58, 2626-2642	2.9	2
42	Enhanced dissipation of polycyclic aromatic hydrocarbons in the presence of fresh plant residues and their extracts. *Environmental Pollution*, **2012**, 161, 199-205	9.3	23

41	Sorption of chlorophenols onto fruit cuticles and potato periderm. *Journal of Environmental Sciences*, **2012**, 24, 675-81	6.4	6
40	Enhanced bioremediation of PAH-contaminated soil by immobilized bacteria with plant residue and biochar as carriers. *Journal of Soils and Sediments*, **2012**, 12, 1350-1359	3.4	135
39	Bisolute sorption and thermodynamic behavior of organic pollutants to biomass-derived biochars at two pyrolytic temperatures. *Environmental Science & Technology*, **2012**, 46, 12476-83	10.3	112
38	Fast and slow rates of naphthalene sorption to biochars produced at different temperatures. *Environmental Science & Technology*, **2012**, 46, 11104-11	10.3	224
37	Biosorption and biodegradation of phenanthrene and pyrene in sterilized and unsterilized soil slurry systems stimulated by Phanerochaete chrysosporium. *Journal of Hazardous Materials*, **2012**, 229-230, 159-69	12.8	37
36	Enhanced oxidation of benzo[a]pyrene by crude enzyme extracts produced during interspecific fungal interaction of Trametes versicolor and Phanerochaete chrysosporium. *Journal of Environmental Sciences*, **2012**, 24, 1639-46	6.4	11
35	Adsorption of perchlorate onto raw and oxidized carbon nanotubes in aqueous solution. *Carbon*, **2012**, 50, 2209-2219	10.4	68
34	Effects of compositional heterogeneity and nanoporosity of raw and treated biomass-generated soot on adsorption and absorption of organic contaminants. *Environmental Pollution*, **2011**, 159, 550-6	9.3	24
33	Enhanced sorption of polycyclic aromatic hydrocarbons by soil amended with biochar. *Journal of Soils and Sediments*, **2011**, 11, 62-71	3.4	191
32	A novel magnetic biochar efficiently sorbs organic pollutants and phosphate. *Bioresource Technology*, **2011**, 102, 716-23	11	656
31	Removal of polycyclic aromatic hydrocarbons from aqueous solution using plant residue materials as a biosorbent. *Journal of Hazardous Materials*, **2011**, 188, 436-42	12.8	91
30	Interaction mechanisms of organic contaminants with burned straw ash charcoal. *Journal of Environmental Sciences*, **2010**, 22, 1586-94	6.4	28
29	Single-solute and bi-solute sorption of phenanthrene and pyrene onto pine needle cuticular fractions. *Environmental Pollution*, **2010**, 158, 2478-84	9.3	38
28	Biosorption and biodegradation of polycyclic aromatic hydrocarbons in aqueous solutions by a consortium of white-rot fungi. *Journal of Hazardous Materials*, **2010**, 179, 845-51	12.8	108
27	Enhanced sorption of polycyclic aromatic hydrocarbons from aqueous solution by modified pine bark. *Bioresource Technology*, **2010**, 101, 7307-7313	11	81
26	Effect of background electrolytes on the adsorption of nitroaromatic compounds onto bentonite. *Journal of Environmental Sciences*, **2009**, 21, 1044-52	6.4	19
25	Phenanthrene sorption by fruit cuticles and potato periderm with different compositional characteristics. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 637-44	5.7	32
24	Sorption of naphthalene and 1-naphthol by biochars of orange peels with different pyrolytic temperatures. *Chemosphere*, **2009**, 76, 127-33	8.4	421

23	Role of suberin, suberan, and hemicellulose in phenanthrene sorption by root tissue fractions of switchgrass (Panicum virgatum) seedlings. *Environmental Science & Technology*, **2009**, 43, 4130-6	10.3	27
22	Surfactant effects on the affinity of plant cuticles with organic pollutants. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 3681-8	5.7	15
21	Transitional adsorption and partition of nonpolar and polar aromatic contaminants by biochars of pine needles with different pyrolytic temperatures. *Environmental Science & Technology*, **2008**, 42, 5137-43	10.3	1163
20	Microstructure of organo-bentonites in water and the effect of steric hindrance on the uptake of organic compounds. *Clays and Clay Minerals*, **2008**, 56, 144-154	2.1	39
19	Efficient removal and mechanisms of water soluble aromatic contaminants by a reduced-charge bentonite modified with benzyltrimethylammonium cation. *Chemosphere*, **2008**, 70, 1987-94	8.4	37
18	Role of the extractable lipids and polymeric lipids in sorption of organic contaminants onto plant cuticles. *Environmental Science & Technology*, **2008**, 42, 1517-23	10.3	48
17	Adsorptive characteristics of the siloxane surfaces of reduced-charge bentonites saturated with tetramethylammonium cation. *Environmental Science & Technology*, **2008**, 42, 7911-7	10.3	24
16	Sorption characteristics and mechanisms of organic contaminant to carbonaceous biosorbents in aqueous solution. *Science in China Series B: Chemistry*, **2008**, 51, 464-472		29
15	Enhanced sorption of naphthalene and nitroaromatic compounds to bentonite by potassium and cetyltrimethylammonium cations. *Journal of Hazardous Materials*, **2008**, 158, 116-23	12.8	29
14	Sorption and conformational characteristics of reconstituted plant cuticular waxes on montmorillonite. *Environmental Science & Technology*, **2005**, 39, 8315-23	10.3	52
13	Sorption of polar and nonpolar aromatic organic contaminants by plant cuticular materials: role of polarity and accessibility. *Environmental Science & Technology*, **2005**, 39, 6138-46	10.3	195
12	Solubilization and biodegradation of phenanthrene in mixed anionic-nonionic surfactant solutions. *Chemosphere*, **2005**, 58, 33-40	8.4	107
11	Correlations of nonlinear sorption of organic solutes with soil/sediment physicochemical properties. *Chemosphere*, **2005**, 61, 116-28	8.4	32
10	Effects of ionizable organic compounds in different species on the sorption of p-nitroaniline to sediment. *Water Research*, **2005**, 39, 281-8	12.5	13
9	Configurations of the bentonite-sorbed myristylpyridinium cation and their influences on the uptake of organic compounds. *Environmental Science & Technology*, **2005**, 39, 6093-100	10.3	119
8	Sorption Behavior of Polycyclic Aromatic Hydrocarbons in Soil–Water System Containing Nonionic Surfactant. *Environmental Engineering Science*, **2004**, 21, 263-272	2	14
7	Significance of natural organic matter in nonlinear sorption of 2,4-dichlorophenol onto soils/sediments. *Water Resources Research*, **2004**, 40,	5.4	3
6	Pollution survey of polycyclic aromatic hydrocarbons in surface water of Hangzhou, China. *Chemosphere*, **2004**, 56, 1085-95	8.4	64

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