

# Dongqiang Zhu

## List of Publications by Year in descending order

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135  
papers

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41627

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docs citations

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times ranked

12367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Source and formation process impact the chemodiversity of rainwater dissolved organic matter along the Yangtze River Basin in summer. <i>Water Research</i> , 2022, 211, 118024.	5.3	37
2	Comparing Photoactivities of Dissolved Organic Matter Released from Rice Straw-Pyrolyzed Biochar and Composted Rice Straw. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2803-2815.	4.6	35
3	Impact of the initial hydrophilic ratio on black carbon aerosols in the Arctic. <i>Science of the Total Environment</i> , 2022, 817, 153044.	3.9	3
4	Directional Oxidation of Amine-Containing Phenolic Pharmaceuticals by Aqueous Dissolved Oxygen under Dark Conditions Catalyzed by Nitrogen-Doped Multiwall Carbon Nanotubes. <i>ACS ES&amp;T Water</i> , 2021, 1, 79-88.	2.3	5
5	Sorption fractionation of bacterial extracellular polymeric substances (EPS) on mineral surfaces and associated effects on phenanthrene sorption to EPS-mineral complexes. <i>Chemosphere</i> , 2021, 263, 128264.	4.2	24
6	Spatially Resolved Emission Factors to Reduce Uncertainties in Air Pollutant Emission Estimates from the Residential Sector. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4483-4493.	4.6	15
7	PM2.5 reductions in Chinese cities from 2013 to 2019 remain significant despite the inflating effects of meteorological conditions. <i>One Earth</i> , 2021, 4, 448-458.	3.6	31
8	Sulfide induces physical damages and chemical transformation of microplastics via radical oxidation and sulfide addition. <i>Water Research</i> , 2021, 197, 117100.	5.3	40
9	Combined analyses of hygroscopic properties of organic and inorganic components of three representative black carbon samples recovered from pyrolysis. <i>Science of the Total Environment</i> , 2021, 771, 145393.	3.9	1
10	Variations of root-associated bacterial cooccurrence relationships in paddy soils under chlorantraniliprole (CAP) stress. <i>Science of the Total Environment</i> , 2021, 779, 146247.	3.9	6
11	Future research needs for environmental science in China. <i>Geography and Sustainability</i> , 2021, , .	1.9	3
12	Contributions of biomass burning to global and regional SO2 emissions. <i>Atmospheric Research</i> , 2021, 260, 105709.	1.8	23
13	Prediction of hydrophobic organic compound partition to algal organic matter through the growth cycle of <i>Microcystis aeruginosa</i> . <i>Environmental Pollution</i> , 2021, 289, 117827.	3.7	6
14	Global mapping of crop-specific emission factors highlights hotspots of nitrous oxide mitigation. <i>Nature Food</i> , 2021, 2, 886-893.	6.2	68
15	Sulfide-induced reduction of nitrobenzene mediated by different size fractions of rice straw-derived black carbon: A key role played by reactive polysulfide species. <i>Science of the Total Environment</i> , 2020, 748, 141365.	3.9	11
16	An investigation on hygroscopic properties of 15 black carbon (BC)-containing particles from different carbon sources: roles of organic and inorganic components. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7941-7954.	1.9	8
17	Assessment of Bioavailability of Biochar-Sorbed Tetracycline to <i>Escherichia coli</i> for Activation of Antibiotic Resistance Genes. <i>Environmental Science &amp; Technology</i> , 2020, 54, 12920-12928.	4.6	48
18	Surface quinone-induced formation of aqueous reactive sulfur species controls pine wood biochar-mediated reductive dechlorination of hexachloroethane by sulfide. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1898-1907.	1.7	8

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19	Mechanisms for sulfide-induced nitrobenzene reduction mediated by a variety of different carbonaceous materials: Graphitized carbon-facilitated electron transfer versus quinone-facilitated formation of reactive sulfur species. <i>Journal of Environmental Quality</i> , 2020, 49, 1564-1574.	1.0	6
20	Dissolved Black Carbon Facilitates Photoreduction of Hg(II) to Hg(0) and Reduces Mercury Uptake by Lettuce ( <i>Lactuca sativa</i> L.). <i>Environmental Science &amp; Technology</i> , 2020, 54, 11137-11145.	4.6	46
21	Differentiated-Rate Clean Heating Strategy with Superior Environmental and Health Benefits in Northern China. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13458-13466.	4.6	20
22	Probing extracellular reduction mechanisms of <i>Bacillus subtilis</i> and <i>Escherichia coli</i> with nitroaromatic compounds. <i>Science of the Total Environment</i> , 2020, 724, 138291.	3.9	16
23	A significant correlation between kinetics of nitrobenzene reduction by sulfide and electron transfer capacity of mediating dissolved humic substances. <i>Science of the Total Environment</i> , 2020, 740, 139911.	3.9	7
24	Enhanced adsorption of bisphenol A, tylosin, and tetracycline from aqueous solution to nitrogen-doped multiwall carbon nanotubes via cation- $\pi$ and $\pi$ - $\pi$ electron-donor-acceptor (EDA) interactions. <i>Science of the Total Environment</i> , 2020, 719, 137389.	3.9	100
25	Role of Extracellular Polymeric Substances in Microbial Reduction of Arsenate to Arsenite by <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . <i>Environmental Science &amp; Technology</i> , 2020, 54, 6185-6193.	4.6	48
26	Spectroscopic and molecular modeling investigation on inhibition effect of nitroaromatic compounds on acetylcholinesterase activity. <i>Chemosphere</i> , 2019, 236, 124365.	4.2	12
27	Specific ion effects on the aggregation behavior of aquatic natural organic matter. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 734-742.	5.0	25
28	Prediction of Apolar Compound Sorption to Aquatic Natural Organic Matter Accounting for Natural Organic Matter Hydrophobicity Using Aqueous Two-Phase Systems. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8127-8135.	4.6	19
29	In situ fabricated porous carbon coating derived from metal-organic frameworks for highly selective solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2019, 1078, 70-77.	2.6	42
30	Comparing electron donating/accepting capacities (EDC/EAC) between crop residue-derived dissolved black carbon and standard humic substances. <i>Science of the Total Environment</i> , 2019, 673, 29-35.	3.9	42
31	Efficient removal of ionic liquids from aqueous media using ZSM-5 zeolites: A tunable mechanism combining micropore filling and electrostatic interaction. <i>Microporous and Mesoporous Materials</i> , 2019, 280, 315-323.	2.2	14
32	Enhanced Phototransformation of Tetracycline at Smectite Clay Surfaces under Simulated Sunlight via a Lewis-Base Catalyzed Alkalization Mechanism. <i>Environmental Science &amp; Technology</i> , 2019, 53, 710-718.	4.6	60
33	Quantifying hydrophobicity of natural organic matter using partition coefficients in aqueous two-phase systems. <i>Chemosphere</i> , 2019, 218, 922-929.	4.2	22
34	Threshold Concentrations of Silver Ions Exist for the Sunlight-Induced Formation of Silver Nanoparticles in the Presence of Natural Organic Matter. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4040-4050.	4.6	26
35	Oxidized template-synthesized mesoporous carbon with pH-dependent adsorption activity: A promising adsorbent for removal of hydrophilic ionic liquid. <i>Applied Surface Science</i> , 2018, 440, 821-829.	3.1	13
36	Polystyrene Nanoplastics-Enhanced Contaminant Transport: Role of Irreversible Adsorption in Glassy Polymeric Domain. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2677-2685.	4.6	185

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37	Adsorption and Reaction of Organic Contaminants on Surfaces of Condensed Carbonaceous Materials. , 2018, , 591-603.		0
38	Strong binding of apolar hydrophobic organic contaminants by dissolved black carbon released from biochar: A mechanism of pseudomicelle partition and environmental implications. Environmental Pollution, 2018, 232, 402-410.	3.7	88
39	Predicting apparent singlet oxygen quantum yields of dissolved black carbon and humic substances using spectroscopic indices. Chemosphere, 2018, 194, 405-413.	4.2	47
40	Bioavailability of tetracycline to antibiotic resistant Escherichia coli in water-clay systems. Environmental Pollution, 2018, 243, 1078-1086.	3.7	18
41	Quantifying the rural residential energy transition in China from 1992 to 2012 through a representative national survey. Nature Energy, 2018, 3, 567-573.	19.8	280
42	Dissolved Mineral Ash Generated by Vegetation Fire Is Photoactive under the Solar Spectrum. Environmental Science & Technology, 2018, 52, 10453-10461.	4.6	29
43	Dissolved Black Carbon as an Efficient Sensitizer in the Photochemical Transformation of 17 $\beta$ -Estradiol in Aqueous Solution. Environmental Science & Technology, 2018, 52, 10391-10399.	4.6	89
44	Enhanced adsorption of aromatic chemicals on boron and nitrogen co-doped single-walled carbon nanotubes. Environmental Science: Nano, 2017, 4, 558-564.	2.2	31
45	Extracellular Saccharide-Mediated Reduction of Au <sup>3+</sup> to Gold Nanoparticles: New Insights for Heavy Metals Biomineralization on Microbial Surfaces. Environmental Science & Technology, 2017, 51, 2776-2785.	4.6	159
46	Removal of aqueous Pb(II) by adsorption on Al <sub>2</sub> O <sub>3</sub> -pillared layered MnO <sub>2</sub> . Applied Surface Science, 2017, 406, 330-338.	3.1	70
47	Sunlight Promotes Fast Release of Hazardous Cadmium from Widely-Used Commercial Cadmium Pigment. Environmental Science & Technology, 2017, 51, 6877-6886.	4.6	39
48	Micropore clogging by leachable pyrogenic organic carbon: A new perspective on sorption irreversibility and kinetics of hydrophobic organic contaminants to black carbon. Environmental Pollution, 2017, 220, 1349-1358.	3.7	47
49	Bioavailability of Soil-Sorbed Tetracycline to <i>Escherichia coli</i> under Unsaturated Conditions. Environmental Science & Technology, 2017, 51, 6165-6173.	4.6	41
50	Aggregation Behavior of Dissolved Black Carbon: Implications for Vertical Mass Flux and Fractionation in Aquatic Systems. Environmental Science & Technology, 2017, 51, 13723-13732.	4.6	95
51	Effects of charge and surface defects of multi-walled carbon nanotubes on the disruption of model cell membranes. Science of the Total Environment, 2017, 574, 771-780.	3.9	46
52	Covalent triazine-based framework: A promising adsorbent for removal of perfluoroalkyl acids from aqueous solution. Environmental Pollution, 2016, 216, 884-892.	3.7	72
53	Enhanced removal of sulfonamide antibiotics by KOH-activated anthracite coal: Batch and fixed-bed studies. Environmental Pollution, 2016, 211, 425-434.	3.7	55
54	Enhanced Adsorption of Hydroxyl- and Amino-Substituted Aromatic Chemicals to Nitrogen-Doped Multiwall Carbon Nanotubes: A Combined Batch and Theoretical Calculation Study. Environmental Science & Technology, 2016, 50, 899-905.	4.6	53

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55	Photochemistry of Dissolved Black Carbon Released from Biochar: Reactive Oxygen Species Generation and Phototransformation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1218-1226.	4.6	252
56	Chemical and structural properties of dissolved black carbon released from biochars. <i>Carbon</i> , 2016, 96, 759-767.	5.4	259
57	Effective liquid phase hydrodechlorination of diclofenac catalysed by Pd/CeO <sub>2</sub> . <i>RSC Advances</i> , 2015, 5, 18702-18709.	1.7	22
58	A novel method for the development of a carbon quantum dot/carbon nitride hybrid photocatalyst that responds to infrared light irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13189-13192.	5.2	79
59	Transport of Sulfide-Reduced Graphene Oxide in Saturated Quartz Sand: Cation-Dependent Retention Mechanisms. <i>Environmental Science &amp; Technology</i> , 2015, 49, 11468-11475.	4.6	87
60	Influence of Dissolved Organic Matter on Tetracycline Bioavailability to an Antibiotic-Resistant Bacterium. <i>Environmental Science &amp; Technology</i> , 2015, 49, 10903-10910.	4.6	86
61	Effects of sulfide reduction on adsorption affinities of colloidal graphene oxide nanoparticles for phenanthrene and 1-naphthol. <i>Environmental Pollution</i> , 2015, 196, 371-378.	3.7	42
62	Simultaneous removal of monochloroacetic acid and bromate by liquid phase catalytic hydrogenation over Pd/Ce 1x Zr x O 2. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 85-92.	10.8	37
63	Elucidating the genetic basis for <i>Escherichia coli</i> defense against silver toxicity using mutant arrays. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 993-997.	2.2	16
64	Microbial Extracellular Polymeric Substances Reduce Ag <sup>+</sup> to Silver Nanoparticles and Antagonize Bactericidal Activity. <i>Environmental Science &amp; Technology</i> , 2014, 48, 316-322.	4.6	243
65	Adsorption of sulfonamides to demineralized pine wood biochars prepared under different thermochemical conditions. <i>Environmental Pollution</i> , 2014, 186, 187-194.	3.7	221
66	Transformation and destabilization of graphene oxide in reducing aqueous solutions containing sulfide. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2647-2653.	2.2	28
67	Dehydrochlorination of activated carbon-bound 1,1,2,2-tetrachloroethane: Implications for carbonaceous material-based soil/sediment remediation. <i>Carbon</i> , 2014, 78, 578-588.	5.4	24
68	Comparison of adsorption isotherms of single-ringed compounds between carbon nanomaterials and porous carbonaceous materials over six-order-of-magnitude concentration range. <i>Carbon</i> , 2014, 79, 203-212.	5.4	25
69	Effects of Cu(II) and Ni(II) ions on adsorption of tetracycline to functionalized carbon nanotubes. <i>Journal of Zhejiang University: Science A</i> , 2014, 15, 653-661.	1.3	16
70	Enhanced Transport of Phenanthrene and 1-Naphthol by Colloidal Graphene Oxide Nanoparticles in Saturated Soil. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10136-10144.	4.6	73
71	Reductive dechlorination of hexachloroethane by sulfide in aqueous solutions mediated by graphene oxide and carbon nanotubes. <i>Carbon</i> , 2014, 72, 74-81.	5.4	53
72	Synergistic role of different soil components in slow sorption kinetics of polar organic contaminants. <i>Environmental Pollution</i> , 2014, 184, 123-130.	3.7	12

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73	Catalytic Effects of Functionalized Carbon Nanotubes on Dehydrochlorination of 1,1,2,2-Tetrachloroethane. <i>Environmental Science &amp; Technology</i> , 2014, 48, 3856-3863.	4.6	39
74	Sorption of Tetracycline to Varying-Sized Montmorillonite Fractions. <i>Journal of Environmental Quality</i> , 2014, 43, 2079-2085.	1.0	5
75	Sorption of monoaromatic compounds to heated and unheated coals, humic acid, and biochar: Implication for using combustion method to quantify sorption contribution of carbonaceous geosorbents in soil. <i>Applied Geochemistry</i> , 2013, 35, 289-296.	1.4	6
76	Reductive removal of chloroacetic acids by catalytic hydrodechlorination over Pd/ZrO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 222-230.	10.8	59
77	ZrO <sub>2</sub> -functionalized magnetic mesoporous SiO <sub>2</sub> as effective phosphate adsorbent. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 442-449.	5.0	46
78	TiO <sub>2</sub> supported Pd@Ag as highly selective catalysts for hydrogenation of acetylene in excess ethylene. <i>Chemical Communications</i> , 2013, 49, 8350.	2.2	76
79	Adsorptive removal of phosphate ions from aqueous solution using zirconia-functionalized graphite oxide. <i>Chemical Engineering Journal</i> , 2013, 221, 193-203.	6.6	180
80	Graphene Oxide-Facilitated Reduction of Nitrobenzene in Sulfide-Containing Aqueous Solutions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4204-4210.	4.6	156
81	Adsorption of phenanthrene, 2-naphthol, and 1-naphthylamine to colloidal oxidized multiwalled carbon nanotubes: Effects of humic acid and surfactant modification. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 493-500.	2.2	45
82	Graphene Nanosheets and Graphite Oxide as Promising Adsorbents for Removal of Organic Contaminants from Aqueous Solution. <i>Journal of Environmental Quality</i> , 2013, 42, 191-198.	1.0	136
83	Abiotic Reduction of 1,3-Dinitrobenzene by Aqueous Dissolved Extracellular Polymeric Substances Produced by Microorganisms. <i>Journal of Environmental Quality</i> , 2013, 42, 1441-1448.	1.0	30
84	Effect of Heat Treatment on Sorption of Polar and Nonpolar Compounds to Montmorillonites and Soils. <i>Journal of Environmental Quality</i> , 2012, 41, 1284-1289.	1.0	2
85	Enhanced selective hydrodechlorination of 1,2-dichloroethane to ethylene on Pt-Ag/TiO <sub>2</sub> catalysts prepared by sequential photodeposition. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 172-179.	10.8	42
86	In Situ Hydrothermal Grown Silicalite-1 Coating for Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2012, 84, 2366-2372.	3.2	36
87	Characterization of coals and their laboratory-prepared black carbon using advanced solid-state <sup>13</sup> C nuclear magnetic resonance spectroscopy. <i>Fuel Processing Technology</i> , 2012, 96, 56-64.	3.7	30
88	Adsorption of aromatic compounds on porous covalent triazine-based framework. <i>Journal of Colloid and Interface Science</i> , 2012, 372, 99-107.	5.0	87
89	Zirconia functionalized SBA-15 as effective adsorbent for phosphate removal. <i>Microporous and Mesoporous Materials</i> , 2012, 155, 192-200.	2.2	86
90	Humic acid-mediated transport of tetracycline and pyrene in saturated porous media. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 534-541.	2.2	30

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91	Effect of copper ion on adsorption of chlorinated phenols and 1-naphthylamine to surface-modified carbon nanotubes. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 100-107.	2.2	21
92	Adsorption of Tetracycline and Sulfamethoxazole on Crop Residue-Derived Ashes: Implication for the Relative Importance of Black Carbon to Soil Sorption. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5580-5586.	4.6	275
93	Probing the Specific Sorption Sites on Montmorillonite Using Nitroaromatic Compounds and Hexafluorobenzene. <i>Environmental Science &amp; Technology</i> , 2011, 45, 2209-2216.	4.6	38
94	Enhanced liquid phase catalytic hydrodechlorination of 2,4-dichlorophenol over mesoporous carbon supported Pd catalysts. <i>Catalysis Communications</i> , 2011, 12, 1405-1409.	1.6	44
95	Sorption of Aromatic Ionizable Organic Compounds to Montmorillonites Modified by Hexadecyltrimethyl Ammonium and Polydiallyldimethyl Ammonium. <i>Journal of Environmental Quality</i> , 2011, 40, 1895-1902.	1.0	5
96	Reductive Dechlorination of Activated Carbon-Adsorbed Trichloroethylene by Zero-Valent Iron: Carbon as Electron Shuttle. <i>Journal of Environmental Quality</i> , 2011, 40, 1878-1885.	1.0	45
97	Adsorption of Pharmaceuticals to Microporous Activated Carbon Treated with Potassium Hydroxide, Carbon Dioxide, and Steam. <i>Journal of Environmental Quality</i> , 2011, 40, 1886-1894.	1.0	27
98	Effective catalytic reduction of Cr(VI) over TiO <sub>2</sub> nanotube supported Pd catalysts. <i>Applied Catalysis B: Environmental</i> , 2011, 105, 255-262.	10.8	103
99	Enhanced adsorption of humic acids on ordered mesoporous carbon compared with microporous activated carbon. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 793-800.	2.2	32
100	Impact of coal structural heterogeneity on the nonideal sorption of organic contaminants. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1310-1319.	2.2	16
101	Investigating roles of organic and inorganic soil components in sorption of polar and nonpolar aromatic compounds. <i>Environmental Pollution</i> , 2010, 158, 319-324.	3.7	33
102	Tetracycline sorption to coal and soil humic acids: An examination of humic structural heterogeneity. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 1934-1942.	2.2	101
103	Adsorption of tetracycline on single-walled and multi-walled carbon nanotubes as affected by aqueous solution chemistry. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2713-2719.	2.2	174
104	Amino-functionalized Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core-shell magnetic nanomaterial as a novel adsorbent for aqueous heavy metals removal. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 293-299.	5.0	935
105	Adsorption of single-ringed N- and S-heterocyclic aromatics on carbon nanotubes. <i>Carbon</i> , 2010, 48, 3906-3915.	5.4	90
106	Adsorption of Pharmaceutical Antibiotics on Template-Synthesized Ordered Micro- and Mesoporous Carbons. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3116-3122.	4.6	268
107	Adsorption of Monoaromatic Compounds and Pharmaceutical Antibiotics on Carbon Nanotubes Activated by KOH Etching. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6429-6436.	4.6	170
108	Sorption of nitroaromatics to soils: Comparison of the importance of soil organic matter versus clay. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1447-1454.	2.2	28

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109	SURFACE FUNCTIONALIZED MESOPOROUS SILICAS AS ADSORBENTS FOR AROMATIC CONTAMINANTS IN AQUEOUS SOLUTION. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1400.	2.2	19
110	Response to Comment on "Adsorption of Hydroxyl- and Amino-Substituted Aromatics to Carbon Nanotubes": <i>Environmental Science &amp; Technology</i> , 2009, 43, 3400-3401.	4.6	10
111	Zeolite-Templated Microporous Carbon As a Superior Adsorbent for Removal of Monoaromatic Compounds from Aqueous Solution. <i>Environmental Science &amp; Technology</i> , 2009, 43, 7870-7876.	4.6	61
112	Adsorption of Sulfonamide Antibiotics to Multiwalled Carbon Nanotubes. <i>Langmuir</i> , 2009, 25, 11608-11613.	1.6	308
113	Mechanisms for strong adsorption of tetracycline to carbon nanotubes: A comparative study using activated carbon and graphite as adsorbents. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2322-2327.	4.6	670
114	Adsorption of Nonionic Aromatic Compounds to Single-Walled Carbon Nanotubes: Effects of Aqueous Solution Chemistry. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7225-7230.	4.6	247
115	Sorption of polar and nonpolar aromatic compounds to two humic acids with varied structural heterogeneity. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 2449-2456.	2.2	26
116	Enhanced Sorption of Polycyclic Aromatic Hydrocarbons to Tetra-Alkyl Ammonium Modified Smectites via Cation- $\pi$ Interactions. <i>Environmental Science &amp; Technology</i> , 2008, 42, 1109-1116.	4.6	96
117	Adsorption of Hydroxyl- and Amino-Substituted Aromatics to Carbon Nanotubes. <i>Environmental Science &amp; Technology</i> , 2008, 42, 6862-6868.	4.6	345
118	Sorption of polar and nonpolar aromatic compounds to four surface soils of eastern China. <i>Environmental Pollution</i> , 2008, 156, 1053-1060.	3.7	39
119	Site-Specific Adsorption of 1,3-Dinitrobenzene to Bacterial Surfaces: A Mechanism of $\pi$ -Electron Donor-Acceptor Interactions. <i>Journal of Environmental Quality</i> , 2008, 37, 824-829.	1.0	9
120	Sorption of Aromatic Compounds to Clay Mineral and Model Humic Substance "Clay Complex: Effects of Solute Structure and Exchangeable Cation. <i>Journal of Environmental Quality</i> , 2008, 37, 817-823.	1.0	24
121	Adsorption of Polar and Nonpolar Organic Chemicals to Carbon Nanotubes. <i>Environmental Science &amp; Technology</i> , 2007, 41, 8295-8300.	4.6	683
122	The Partitioning of PAHs to Egg Phospholipids Facilitated by Copper and Proton Binding via Cation- $\pi$ Interactions. <i>Environmental Science &amp; Technology</i> , 2007, 41, 8321-8327.	4.6	63
123	Biosorption of Nonpolar Hydrophobic Organic Compounds to <i>Escherichia Coli</i> Facilitated by Metal and Proton Surface Binding. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2750-2755.	4.6	57
124	Effect of Heavy Metals on the Sorption of Hydrophobic Organic Compounds to Wood Charcoal. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2536-2541.	4.6	173
125	A Concentration-Dependent Multi-Term Linear Free Energy Relationship for Sorption of Organic Compounds to Soils Based on the Hexadecane Dilute-Solution Reference State. <i>Environmental Science &amp; Technology</i> , 2005, 39, 8817-8828.	4.6	49
126	Spectroscopic Study of Carbaryl Sorption on Smectite from Aqueous Suspension. <i>Environmental Science &amp; Technology</i> , 2005, 39, 9123-9129.	4.6	42

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127	Characterization of Aromatic Compound Sorptive Interactions with Black Carbon (Charcoal) Assisted by Graphite as a Model. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2033-2041.	4.6	383
128	Adsorption of Single-Ring Organic Compounds to Wood Charcoals Prepared under Different Thermochemical Conditions. <i>Environmental Science &amp; Technology</i> , 2005, 39, 3990-3998.	4.6	247
129	Characterization of Cation- $\pi$ Interactions in Aqueous Solution Using Deuterium Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Environmental Quality</i> , 2004, 33, 276.	1.0	7
130	Evidence for $\pi$ - $\pi$ Electron Donor-Acceptor Interactions between $\pi$ -Donor Aromatic Compounds and $\pi$ -Acceptor Sites in Soil Organic Matter through pH Effects on Sorption. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4361-4368.	4.6	249
131	Cation- $\pi$ Bonding: A New Perspective on the Sorption of Polycyclic Aromatic Hydrocarbons to Mineral Surfaces. <i>Journal of Environmental Quality</i> , 2004, 33, 1322-1330.	1.0	136
132	Characterization of Cation- $\pi$ Interactions in Aqueous Solution Using Deuterium Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Environmental Quality</i> , 2004, 33, 276-284.	1.0	46
133	Molecular-Level Investigation of Monoaromatic Compound Sorption to Suspended Soil Particles by Deuterium Nuclear Magnetic Resonance. <i>Journal of Environmental Quality</i> , 2003, 32, 232.	1.0	2
134	Sorption of Pyridine to Suspended Soil Particles Studied by Deuterium Nuclear Magnetic Resonance. <i>Soil Science Society of America Journal</i> , 2003, 67, 1370-1377.	1.2	13
135	Molecular-Level Investigation of Monoaromatic Compound Sorption to Suspended Soil Particles by Deuterium Nuclear Magnetic Resonance. <i>Journal of Environmental Quality</i> , 2003, 32, 232-239.	1.0	7