Kun Yang

List of Publications by Year
in descending order

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87	6,436	94433 37	64796 79
papers	citations	h-index	g-index

87	87	87	6813
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of molecular size of volatile organic compounds on their adsorption by KOH-activated micro-mesoporous carbon. Journal of Hazardous Materials, 2022, 424, 127355.	12.4	25
2	An improved method to predict polycyclic aromatic hydrocarbons in surface freshwater by reducing the input parameters. Science of the Total Environment, 2022, 816, 151597.	8.0	2
3	Fe-based nanomaterial transformation to amorphous Fe: Enhanced alfalfa rhizoremediation of PCBs-contaminated soil. Journal of Hazardous Materials, 2022, 425, 127973.	12.4	22
4	A durable superhydrophobic porous polymer coated sponge for efficient separation of immiscible oil/water mixtures and oil-in-water emulsions. Journal of Hazardous Materials, 2022, 425, 127980.	12.4	41
5	Improved removal performance of Gram-negative and Gram-positive bacteria in sand filtration system with arginine modified biochar amendment. Water Research, 2022, 211, 118006.	11.3	9
6	Sorption-desorption hysteresis. , 2022, , .		0
7	Predicting the total PAHs concentrations in sediments from selected congeners using a multiple linear relationship. Scientific Reports, 2022, 12, 3334.	3.3	1
8	Current and Future Trends of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons in Surface Water and Sediments of China: Insights from Their Long-Term Relationships between Concentrations and Emissions. Environmental Science & Technology, 2022, 56, 3397-3406.	10.0	12
9	Intrinsic defects enhanced biochar/peroxydisulfate oxidation capacity through electron-transfer regime. Chemical Engineering Journal, 2022, 438, 135606.	12.7	43
10	Adsorption of soil organic matter by gel-like ferrihydrite and dense ferrihydrite. Science of the Total Environment, 2022, 835, 155507.	8.0	3
11	Adsorption of fulvic acid on mesopore-rich activated carbon with high surface area. Science of the Total Environment, 2022, 838, 155918.	8.0	9
12	Sorption kinetics of 1,3,5-trinitrobenzene to biochars produced at various temperatures. Biochar, 2022, 4, .	12.6	14
13	Addition of biochar as thin preamble layer into sand filtration columns could improve the microplastics removal from water. Water Research, 2022, 221, 118783.	11.3	23
14	Microbial degradation of nondesorbable organic compounds on biochars by extracellular reactive oxygen species. Journal of Hazardous Materials, 2022, 439, 129625.	12.4	10
15	Nonlinear partition of nonionic organic compounds into humus-like substance humificated from lignin. Science of the Total Environment, 2021, 764, 142887.	8.0	3
16	A superhydrophobic and porous polymer adsorbent with large surface area. Journal of Materials Chemistry A, 2021, 9, 254-258.	10.3	27
17	Adsorption of Organic Compounds by Biomass Chars: Direct Role of Aromatic Condensation (Ring) Tj ETQq1 1 0.784314 rgBT /Overlo Technology, 2021, 55, 1594-1603.	10.0	16
18	Synergistic remediation of PCB-contaminated soil with nanoparticulate zero-valent iron and alfalfa: targeted changes in the root metabolite-dependent microbial community. Environmental Science: Nano, 2021, 8, 986-999.	4.3	23

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19	Selective sorption of PAHs from TX100 solution by resin SP850: effects of TX100 concentrations and PAHs solubility. RSC Advances, 2021, 11, 13530-13536.	3.6	2
20	Re-recognizing micro locations of nanoscale zero-valent iron in biochar using C-TEM technique. Scientific Reports, 2021, 11, 5037.	3.3	7
21	Sorption mechanism of naphthalene by diesel soot: Insight from displacement with phenanthrene/p-nitrophenol. Journal of Environmental Sciences, 2021, 106, 136-146.	6.1	5
22	Sorption of organic compounds by pyrolyzed humic acids. Science of the Total Environment, 2021, 781, 146646.	8.0	8
23	Time-dependent desorption of anilines, phenols, and nitrobenzenes from biochar produced at 700ÂÂ°C: Insight into desorption hysteresis. Chemical Engineering Journal, 2021, 422, 130584.	12.7	16
24	Octanol-water partition coefficient (logKow) dependent movement and time lagging of polycyclic aromatic hydrocarbons (PAHs) from emission sources to lake sediments: A case study of Taihu Lake, China. Environmental Pollution, 2021, 288, 117709.	7.5	33
25	Correlations and prediction of adsorption capacity and affinity of aromatic compounds on activated carbons. Science of the Total Environment, 2020, 704, 135457.	8.0	9
26	Nonlinear sorption of phenols and anilines by organobentonites: Nonlinear partition and space limitation for partitioning. Science of the Total Environment, 2020, 736, 139609.	8.0	9
27	Reciprocal interference of clay minerals and nanoparticulate zero-valent iron on their interfacial interaction with dissolved organic matter. Science of the Total Environment, 2020, 739, 140372.	8.0	10
28	Nanoparticulate zero valent iron interaction with dissolved organic matter impacts iron transformation and organic carbon stability. Environmental Science: Nano, 2020, 7, 1818-1830.	4.3	22
29	Selective removal of phenanthrene from SDBS or TX100 solution by sorption of resin SP850. Chemical Engineering Journal, 2020, 388, 124191.	12.7	12
30	Isotherm nonlinearity and nonlinear partitioning of organic compounds into resin XAD-7: Insight from displacement experiments. Environmental Pollution, 2020, 267, 115563.	7.5	1
31	Linear and nonlinear partition of nonionic organic compounds into resin ADS-21 from water. Environmental Pollution, 2019, 247, 277-284.	7.5	9
32	Correlations and nonlinear partition of nonionic organic compounds by humus-like substances humificated from rice straw. Scientific Reports, 2019, 9, 15131.	3.3	12
33	Correlations and adsorption mechanisms of aromatic compounds on biochars produced from various biomass at 700ÂÂ°C. Environmental Pollution, 2018, 233, 64-70.	7.5	87
34	Adsorption and correlations of selected aromatic compounds on a KOH-activated carbon with large surface area. Science of the Total Environment, 2018, 618, 1677-1684.	8.0	75
35	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.	8.0	46
36	The effect of oxidation on physicochemical properties and aqueous stabilization of multiwalled carbon nanotubes: comparison of multiple analysis methods. Science China Chemistry, 2016, 59, 1498-1507.	8.2	13

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37	The role of exopolymeric substances in the bioaccumulation and toxicity of Ag nanoparticles to algae. Scientific Reports, 2016, 6, 32998.	3.3	71
38	Physicochemical transformation and algal toxicity of engineered nanoparticles in surface water samples. Environmental Pollution, 2016, 211, 132-140.	7.5	47
39	Correlations and adsorption mechanisms of aromatic compounds on a high heat temperature treated bamboo biochar. Environmental Pollution, 2016, 210, 57-64.	7.5	108
40	Correlation and prediction of adsorption capacity and affinity of aromatic compounds on carbon nanotubes. Water Research, 2016, 88, 492-501.	11.3	50
41	Prediction of the sorption capacities and affinities of organic chemicals by XAD-7. Environmental Science and Pollution Research, 2016, 23, 1060-1070.	5.3	19
42	Dispersant selection for nanomaterials: Insight into dispersing functionalized carbon nanotubes by small polar aromatic organic molecules. Carbon, 2015, 91, 494-505.	10.3	26
43	The effect of water chemistry on homoaggregations of various nanoparticles: Specific role of Cl â" ions. Journal of Colloid and Interface Science, 2015, 450, 272-278.	9.4	26
44	Sorption of Cu2+ on humic acids sequentially extracted from a sediment. Chemosphere, 2015, 138, 657-663.	8.2	54
45	Effect of natural and synthetic surface coatings on the toxicity of multiwalled carbon nanotubes toward green algae. Carbon, 2015, 83, 198-207.	10.3	70
46	Heteroagglomeration of Oxide Nanoparticles with Algal Cells: Effects of Particle Type, Ionic Strength and pH. Environmental Science & Technology, 2015, 49, 932-939.	10.0	127
47	Are engineered nanomaterials superior adsorbents for removal and pre-concentration of heavy metal cations from water?. RSC Advances, 2014, 4, 46122-46125.	3.6	15
48	Dispersion and aggregation of single-walled carbon nanotubes in aqueous solutions of anionic surfactants. Journal of Zhejiang University: Science A, 2014, 15, 624-633.	2.4	14
49	The role of humic acid in stabilizing fullerene (C60) suspensions. Journal of Zhejiang University: Science A, 2014, 15, 634-642.	2.4	16
50	Environmental risks of engineered nanomaterials. Journal of Zhejiang University: Science A, 2014, 15, 547-551.	2.4	3
51	Transport of surfactant-facilitated multiwalled carbon nanotube suspensions in columns packed with sized soil particles. Environmental Pollution, 2014, 192, 36-43.	7.5	51
52	Concentration-dependent polyparameter linear free energy relationships to predict organic compound sorption on carbon nanotubes. Scientific Reports, 2014, 4, 3888.	3.3	37
53	Influence of Functional Groups on Desorption of Organic Compounds from Carbon Nanotubes into Water: Insight into Desorption Hysteresis. Environmental Science & Technology, 2013, 47, 130726083137003.	10.0	21
54	Sonication-assisted dispersion of carbon nanotubes in aqueous solutions of the anionic surfactant SDBS: The role of sonication energy. Science Bulletin, 2013, 58, 2082-2090.	1.7	85

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55	Adsorption of volatile organic compounds by metal-organic frameworks MOF-177. Journal of Environmental Chemical Engineering, 2013, 1, 713-718.	6.7	108
56	The effects of surfactants and solution chemistry on the transport of multiwalled carbon nanotubes in quartz sand-packed columns. Environmental Pollution, 2013, 182, 269-277.	7.5	45
57	Enhanced sorption of naphthalene and p-nitrophenol by Nano-SiO2 modified with a cationic surfactant. Water Research, 2013, 47, 4006-4012.	11.3	34
58	Sonication-assisted dispersion of carbon nanotubes in aqueous solutions of the anionic surfactant SDBS: The role of sonication energy. , 2013, 58, 2082.		1
59	Coagulation removal of humic acid-stabilized carbon nanotubes from water by PACl: Influences of hydraulic condition and water chemistry. Science of the Total Environment, 2012, 439, 123-128.	8.0	34
60	Influence of Surface Oxidation of Multiwalled Carbon Nanotubes on the Adsorption Affinity and Capacity of Polar and Nonpolar Organic Compounds in Aqueous Phase. Environmental Science & Technology, 2012, 46, 5446-5454.	10.0	112
61	The relationship between humic acid (HA) adsorption on and stabilizing multiwalled carbon nanotubes (MWNTs) in water: Effects of HA, MWNT and solution properties. Journal of Hazardous Materials, 2012, 241-242, 404-410.	12.4	54
62	Adsorption of bovine serum albumin on nano and bulk oxide particles in deionized water. Colloids and Surfaces B: Biointerfaces, 2012, 94, 341-346.	5.0	50
63	Influence of pH and surface oxygen-containing groups on multiwalled carbon nanotubes on the transformation and adsorption of 1-naphthol. Journal of Colloid and Interface Science, 2012, 374, 226-231.	9.4	24
64	Adsorption of volatile organic compounds by metalâ€“organic frameworks MIL-101: Influence of molecular size and shape. Journal of Hazardous Materials, 2011, 195, 124-131.	12.4	260
65	Sorption of phenanthrene by nanosized alumina coated with sequentially extracted humic acids. Environmental Science and Pollution Research, 2010, 17, 410-419.	5.3	35
66	Different stabilities of multiwalled carbon nanotubes in fresh surface water samples. Environmental Pollution, 2010, 158, 1270-1274.	7.5	73
67	Enhanced soil retention for o-nitroaniline by the addition of a mixture of a cationic surfactant (Cetyl) Tj ETQq1 1 0.784314 rgBT /Over Journal of Hazardous Materials, 2010, 182, 757-762.	12.4	11
68	Adsorption and Conformation of a Cationic Surfactant on Single-Walled Carbon Nanotubes and Their Influence on Naphthalene Sorption. Environmental Science & Technology, 2010, 44, 681-687.	10.0	65
69	Interaction between Oxide Nanoparticles and Biomolecules of the Bacterial Cell Envelope As Examined by Infrared Spectroscopy. Langmuir, 2010, 26, 18071-18077.	3.5	122
70	Competitive Adsorption of Naphthalene with 2,4-Dichlorophenol and 4-Chloroaniline on Multiwalled Carbon Nanotubes. Environmental Science & Technology, 2010, 44, 3021-3027.	10.0	97
71	Adsorption of Organic Compounds by Carbon Nanomaterials in Aqueous Phase: Polanyi Theory and Its Application. Chemical Reviews, 2010, 110, 5989-6008.	47.7	741
72	Adsorption behaviors of volatile organic compounds (VOCs) on porous clay heterostructures (PCH). Journal of Hazardous Materials, 2009, 170, 7-12.	12.4	164

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73	The effect of ionic strength and pH on the stability of tannic acid-facilitated carbon nanotube suspensions. Carbon, 2009, 47, 2875-2882.	10.3	157
74	Adsorption of fulvic acid by carbon nanotubes from water. Environmental Pollution, 2009, 157, 1095-1100.	7.5	245
75	Sorption of Phenanthrene by Humic Acid-Coated Nanosized TiO₂ and ZnO. Environmental Science & Technology, 2009, 43, 1845-1851.	10.0	122
76	Interactions of Humic Acid with Nanosized Inorganic Oxides. Langmuir, 2009, 25, 3571-3576.	3.5	363
77	Environmental behavior and toxicity of engineered nanomaterials. Chinese Science Bulletin, 2009, 54, 3590-3604.	0.7	12
78	Aqueous Adsorption of Aniline, Phenol, and their Substitutes by Multi-Walled Carbon Nanotubes. Environmental Science & Technology, 2008, 42, 7931-7936.	10.0	371
79	Desorption of polycyclic aromatic hydrocarbons from carbon nanomaterials in water. Environmental Pollution, 2007, 145, 529-537.	7.5	293
80	Sorption of sodium dodecylbenzene sulfonate by montmorillonite. Environmental Pollution, 2007, 145, 571-576.	7.5	75
81	Competitive Sorption of Pyrene, Phenanthrene, and Naphthalene on Multiwalled Carbon Nanotubes. Environmental Science & Technology, 2006, 40, 5804-5810.	10.0	275
82	Adsorption of Polycyclic Aromatic Hydrocarbons by Carbon Nanomaterials. Environmental Science & Technology, 2006, 40, 1855-1861.	10.0	699
83	Enhanced Soil Washing of Phenanthrene by Mixed Solutions of TX100 and SDBS. Environmental Science & Technology, 2006, 40, 4274-4280.	10.0	162
84	Minimizing losses of nonionic and anionic surfactants to a montmorillonite saturated with calcium using their mixtures. Journal of Colloid and Interface Science, 2005, 291, 59-66.	9.4	34
85	Correlations of nonlinear sorption of organic solutes with soil/sediment physicochemical properties. Chemosphere, 2005, 61, 116-128.	8.2	37
86	Significance of natural organic matter in nonlinear sorption of 2,4-dichlorophenol onto soils/sediments. Water Resources Research, 2004, 40, .	4.2	3
87	A multi-component statistic analysis for the influence of sediment/soil composition on the sorption of a nonionic surfactant (Triton X-100) onto natural sediments/soils. Water Research, 2003, 37, 4792-4800.	11.3	59