

Meiping Tong

List of Publications by Year in descending order

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101
papers

5,960
citations

43973

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79541

73
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101
all docs

101
docs citations

101
times ranked

5363
citing authors

#	ARTICLE	IF	CITATIONS
1	Peroxymonosulfate enhanced photocatalytic degradation of serial bisphenols by metal-free covalent organic frameworks under visible light irradiation: mechanisms, degradation pathway and DFT calculation. <i>Chemical Engineering Journal</i> , 2022, 430, 132833.	6.6	15
2	Transport and deposition behaviors of microplastics in porous media: Co-impacts of N fertilizers and humic acid. <i>Journal of Hazardous Materials</i> , 2022, 426, 127787.	6.5	26
3	Improved removal performance of Gram-negative and Gram-positive bacteria in sand filtration system with arginine modified biochar amendment. <i>Water Research</i> , 2022, 211, 118006.	5.3	9
4	Insight into the role of Fe in the synergetic effect of persulfate/sulfite and Fe ₂ O ₃ @g-C ₃ N ₄ for carbamazepine degradation. <i>Science of the Total Environment</i> , 2022, 819, 152787.	3.9	27
5	Catalyst-Free Periodate Activation by Solar Irradiation for Bacterial Disinfection: Performance and Mechanisms. <i>Environmental Science & Technology</i> , 2022, 56, 4413-4424.	4.6	55
6	Photocatalytic degradation of paracetamol and bisphenol A by chitosan supported covalent organic framework thin film with visible light irradiation. <i>Journal of Hazardous Materials</i> , 2022, 435, 128966.	6.5	40
7	Bacterial capture and inactivation in sand filtration systems with addition of zero-valent iron as permeable layer under both slow and fast filtration conditions. <i>Journal of Hazardous Materials</i> , 2022, 436, 129122.	6.5	3
8	Freeze-thaw cycles induce diverse bacteria release behaviors from quartz sand columns with different water saturations. <i>Water Research</i> , 2022, 221, 118683.	5.3	5
9	Addition of biochar as thin preamble layer into sand filtration columns could improve the microplastics removal from water. <i>Water Research</i> , 2022, 221, 118783.	5.3	23
10	Activation of sulfite by single-atom Fe deposited graphitic carbon nitride for diclofenac removal: The synergetic effect of transition metal and photocatalysis. <i>Chemical Engineering Journal</i> , 2021, 407, 127167.	6.6	73
11	Different electrically charged proteins result in diverse transport behaviors of plastic particles with different surface charge in quartz sand. <i>Science of the Total Environment</i> , 2021, 756, 143837.	3.9	18
12	Facile synthesis of sulfhydryl modified covalent organic frameworks for high efficient Hg(II) removal from water. <i>Journal of Hazardous Materials</i> , 2021, 405, 124190.	6.5	46
13	Tunable Covalent Organic Frameworks with Different Heterocyclic Nitrogen Locations for Efficient Cr(VI) Reduction, <i>Escherichia coli</i> Disinfection, and Paracetamol Degradation under Visible-Light Irradiation. <i>Environmental Science & Technology</i> , 2021, 55, 5371-5381.	4.6	79
14	Flagella and Their Properties Affect the Transport and Deposition Behaviors of <i>Escherichia coli</i> in Quartz Sand. <i>Environmental Science & Technology</i> , 2021, 55, 4964-4973.	4.6	26
15	Ni ¹⁺ _x Co _x Se ₂ /ZnIn ₂ S ₄ Hybrid Nanocages with Strong 2D/2D Hetero-Interface Interaction Enable Efficient H ₂ -Releasing Photocatalysis. <i>Advanced Functional Materials</i> , 2021, 31, 2100923.	7.8	104
16	The degradation pathways of carbamazepine in advanced oxidation process: A mini review coupled with DFT calculation. <i>Science of the Total Environment</i> , 2021, 779, 146498.	3.9	88
17	Emerging Dual-Atomic-Site Catalysts for Efficient Energy Catalysis. <i>Advanced Materials</i> , 2021, 33, e2102576.	11.1	226
18	Different degradation mechanisms of carbamazepine and diclofenac by single-atom Barium embedded g-C ₃ N ₄ : the role of photosensitization-like mechanism. <i>Journal of Hazardous Materials</i> , 2021, 416, 125936.	6.5	43

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19	Transport and deposition of plastic particles in porous media during seawater intrusion and groundwater-seawater displacement processes. <i>Science of the Total Environment</i> , 2021, 781, 146752.	3.9	21
20	Bacteria have different effects on the transport behaviors of positively and negatively charged microplastics in porous media. <i>Journal of Hazardous Materials</i> , 2021, 415, 125550.	6.5	40
21	Insight into the synergetic effect of photocatalysis and transition metal on sulfite activation: Different mechanisms for carbamazepine and diclofenac degradation. <i>Science of the Total Environment</i> , 2021, 787, 147626.	3.9	21
22	Transport and deposition of microplastic particles in saturated porous media: Co-effects of clay particles and natural organic matter. <i>Environmental Pollution</i> , 2021, 287, 117585.	3.7	56
23	Transport behaviors of plastic particles in saturated quartz sand without and with biochar/Fe ₃ O ₄ -biochar amendment. <i>Water Research</i> , 2020, 169, 115284.	5.3	137
24	Cotransport and deposition of biochar with different sized-plastic particles in saturated porous media. <i>Science of the Total Environment</i> , 2020, 713, 136387.	3.9	52
25	Magnetic Fe ₃ O ₄ -deposited flower-like MoS ₂ nanocomposites for the Fenton-like <i>Escherichia coli</i> disinfection and diclofenac degradation. <i>Journal of Hazardous Materials</i> , 2020, 385, 121604.	6.5	116
26	Modification of zero valent iron nanoparticles by sodium alginate and bentonite: Enhanced transport, effective hexavalent chromium removal and reduced bacterial toxicity. <i>Journal of Hazardous Materials</i> , 2020, 388, 121822.	6.5	52
27	Different surface charged plastic particles have different cotransport behaviors with kaolinite α^+ particles in porous media. <i>Environmental Pollution</i> , 2020, 267, 115534.	3.7	30
28	AgI modified covalent organic frameworks for effective bacterial disinfection and organic pollutant degradation under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2020, 398, 122865.	6.5	73
29	Single-atom silver induced amorphization of hollow tubular g-C ₃ N ₄ for enhanced visible light-driven photocatalytic degradation of naproxen. <i>Science of the Total Environment</i> , 2020, 742, 140642.	3.9	34
30	Influence of biofilm on the transport and deposition behaviors of nano- and micro-plastic particles in quartz sand. <i>Water Research</i> , 2020, 178, 115808.	5.3	65
31	Influence of titanium dioxide nanoparticles on the transport and deposition of microplastics in quartz sand. <i>Environmental Pollution</i> , 2019, 253, 351-357.	3.7	61
32	Cotransport of graphene oxides/reduced graphene oxides with BPA in both bare and iron oxides coated quartz sand. <i>Science China Technological Sciences</i> , 2019, 62, 1896-1906.	2.0	8
33	The influence of different charged poly (amido amine) dendrimer on the transport and deposition of bacteria in porous media. <i>Water Research</i> , 2019, 161, 364-371.	5.3	12
34	Cotransport and Deposition of Iron Oxides with Different-Sized Plastic Particles in Saturated Quartz Sand. <i>Environmental Science & Technology</i> , 2019, 53, 3547-3557.	4.6	95
35	Different mechanisms for <i>E. coli</i> disinfection and BPA degradation by CeO ₂ -AgI under visible light irradiation. <i>Chemical Engineering Journal</i> , 2019, 371, 750-758.	6.6	64
36	Effects of graphene oxides on transport and deposition behaviors of bacteria in saturated porous media. <i>Science China Technological Sciences</i> , 2019, 62, 276-286.	2.0	6

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37	Photocatalytic removal of diclofenac by Ti doped BiOI microspheres under visible light irradiation: Kinetics, mechanism, and pathways. <i>Journal of Molecular Liquids</i> , 2019, 275, 807-814.	2.3	50
38	Bactericidal activity and mechanisms of BiOBr-AgBr under both dark and visible light irradiation conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 275-283.	2.5	36
39	Sea-Buckthorn-Like MnO ₂ Decorated Titanate Nanotubes with Oxidation Property and Photocatalytic Activity for Enhanced Degradation of 17 β -Estradiol under Solar Light. <i>ACS Applied Energy Materials</i> , 2018, 1, 2123-2133.	2.5	34
40	Facile synthesis of magnetic Fe ₃ O ₄ @BiOI@AgI for water decontamination with visible light irradiation: Different mechanisms for different organic pollutants degradation and bacterial disinfection. <i>Water Research</i> , 2018, 137, 120-129.	5.3	117
41	Enhanced bacterial disinfection by Bi ₂ MoO ₆ -AgBr under visible light irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 528-536.	2.5	13
42	Efficient adsorption of Selenium(IV) from water by hematite modified magnetic nanoparticles. <i>Chemosphere</i> , 2018, 193, 134-141.	4.2	79
43	Influence of Nano- and Microplastic Particles on the Transport and Deposition Behaviors of Bacteria in Quartz Sand. <i>Environmental Science & Technology</i> , 2018, 52, 11555-11563.	4.6	32
44	Different electrically charged proteins result in diverse bacterial transport behaviors in porous media. <i>Water Research</i> , 2018, 143, 425-435.	5.3	33
45	Facile synthesis of ZrO ₂ coated BiOCl _{0.5} I _{0.5} for photocatalytic oxidation-adsorption of As(III) under visible light irradiation. <i>Chemosphere</i> , 2018, 211, 934-942.	4.2	16
46	Enhanced visible-light-driven photocatalytic bacteria disinfection by g-C ₃ N ₄ -AgBr. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 49-57.	2.5	94
47	Stability of carboxyl-functionalized carbon black nanoparticles: the role of solution chemistry and humic acid. <i>Environmental Science: Nano</i> , 2017, 4, 800-810.	2.2	42
48	Influence of Bisphenol A on the transport and deposition behaviors of bacteria in quartz sand. <i>Water Research</i> , 2017, 121, 1-10.	5.3	32
49	Influence of graphene oxide on the transport and deposition behaviors of colloids in saturated porous media. <i>Environmental Pollution</i> , 2017, 225, 141-149.	3.7	56
50	Efficient bacterial inactivation with Z-scheme AgI/Bi ₂ MoO ₆ under visible light irradiation. <i>Water Research</i> , 2017, 123, 632-641.	5.3	116
51	Effect of bacteria on the transport and deposition of multi-walled carbon nanotubes in saturated porous media. <i>Environmental Pollution</i> , 2016, 213, 895-903.	3.7	25
52	Bactericidal activity and mechanism of Ti-doped BiOI microspheres under visible light irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 307-314.	2.5	36
53	Effect of different-sized colloids on the transport and deposition of titanium dioxide nanoparticles in quartz sand. <i>Environmental Pollution</i> , 2016, 208, 637-644.	3.7	43
54	Influence of Perfluorooctanoic Acid on the Transport and Deposition Behaviors of Bacteria in Quartz Sand. <i>Environmental Science & Technology</i> , 2016, 50, 2381-2388.	4.6	37

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55	Bactericidal activity and mechanism of AgI/AgBr/BiOBr _{0.75} IO _{2.25} under visible light irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 138, 102-109.	2.5	34
56	Cotransport of bacteria with hematite in porous media: Effects of ion valence and humic acid. <i>Water Research</i> , 2016, 88, 586-594.	5.3	50
57	Bactericidal mechanisms of Au@TNBs under visible light irradiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 211-218.	2.5	19
58	Bactericidal mechanism of BiOI@AgI under visible light irradiation. <i>Chemical Engineering Journal</i> , 2015, 279, 277-285.	6.6	81
59	Efficient removal of free and nitrilotriacetic acid complexed Cd(II) from water by poly(1-vinylimidazole)-grafted Fe ₃ O ₄ @SiO ₂ magnetic nanoparticles. <i>Journal of Hazardous Materials</i> , 2015, 299, 479-485.	6.5	18
60	Influence of gravity on transport and retention of representative engineered nanoparticles in quartz sand. <i>Journal of Contaminant Hydrology</i> , 2015, 181, 153-160.	1.6	28
61	Fe ₅ C ₂ nanoparticles: a reusable bactericidal material with photothermal effects under near-infrared irradiation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3993-4000.	2.9	37
62	Efficient bacteria capture and inactivation by cetyltrimethylammonium bromide modified magnetic nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 659-665.	2.5	47
63	Removal of Hg(II) by poly(1-vinylimidazole)-grafted Fe ₃ O ₄ @SiO ₂ magnetic nanoparticles. <i>Water Research</i> , 2015, 69, 252-260.	5.3	175
64	Toxicity of TiO ₂ Nanoparticles to <i>Escherichia coli</i> : Effects of Particle Size, Crystal Phase and Water Chemistry. <i>PLoS ONE</i> , 2014, 9, e110247.	1.1	156
65	Influence of silicate on the transport of bacteria in quartz sand and iron mineral-coated sand. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 995-1002.	2.5	24
66	Influence of sulfate and phosphate on the deposition of plasmid DNA on silica and alumina-coated surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 83-89.	2.5	6
67	Aggregation and dissolution of ZnO nanoparticles synthesized by different methods: Influence of ionic strength and humic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 451, 7-15.	2.3	85
68	Efficient removal of trace antimony(III) through adsorption by hematite modified magnetic nanoparticles. <i>Journal of Hazardous Materials</i> , 2014, 268, 229-236.	6.5	148
69	Efficient bacterial capture with amino acid modified magnetic nanoparticles. <i>Water Research</i> , 2014, 50, 124-134.	5.3	125
70	Influence of Clay Particles on the Transport and Retention of Titanium Dioxide Nanoparticles in Quartz Sand. <i>Environmental Science & Technology</i> , 2014, 48, 7323-7332.	4.6	112
71	Cotransport of multi-walled carbon nanotubes and titanium dioxide nanoparticles in saturated porous media. <i>Environmental Pollution</i> , 2014, 195, 31-38.	3.7	42
72	Transport and retention behaviors of titanium dioxide nanoparticles in iron oxide-coated quartz sand: Effects of pH, ionic strength, and humic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 454, 119-127.	2.3	76

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73	Enhanced removal of trace arsenate by magnetic nanoparticles modified with arginine and lysine. <i>Chemical Engineering Journal</i> , 2014, 254, 340-348.	6.6	35
74	Facile self-assembly synthesis of titanate/Fe ₃ O ₄ nanocomposites for the efficient removal of Pb ²⁺ from aqueous systems. <i>Journal of Materials Chemistry A</i> , 2013, 1, 805-813.	5.2	89
75	Initial transport and retention behaviors of ZnO nanoparticles in quartz sand porous media coated with <i>Escherichia coli</i> biofilm. <i>Environmental Pollution</i> , 2013, 174, 38-49.	3.7	63
76	Effect of Carbon Nanotubes on the Transport and Retention of Bacteria in Saturated Porous Media. <i>Environmental Science & Technology</i> , 2013, 47, 11537-11544.	4.6	32
77	Efficient removal of trace arsenite through oxidation and adsorption by magnetic nanoparticles modified with Fe-Mn binary oxide. <i>Water Research</i> , 2013, 47, 3411-3421.	5.3	196
78	Bactericidal mechanisms of Ag ₂ O/TNBs under both dark and light conditions. <i>Water Research</i> , 2013, 47, 1837-1847.	5.3	67
79	Influence of sulfate on the transport of bacteria in quartz sand. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 443-449.	2.5	13
80	Bactericidal activity of Ag-doped multi-walled carbon nanotubes and the effects of extracellular polymeric substances and natural organic matter. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 133-139.	2.5	36
81	Cotransport of Titanium Dioxide and Fullerene Nanoparticles in Saturated Porous Media. <i>Environmental Science & Technology</i> , 2013, 47, 5703-5710.	4.6	78
82	Influence of nutrient conditions on the transport of bacteria in saturated porous media. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 752-758.	2.5	36
83	Influence of Bentonite Particles on Representative Gram Negative and Gram Positive Bacterial Deposition in Porous Media. <i>Environmental Science & Technology</i> , 2012, 46, 11627-11634.	4.6	51
84	Removal of arsenate by cetyltrimethylammonium bromide modified magnetic nanoparticles. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 461-468.	6.5	115
85	Transport and deposition of ZnO nanoparticles in saturated porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 401, 29-37.	2.3	109
86	Influence of humic acid on the transport behavior of bacteria in quartz sand. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 91, 122-129.	2.5	78
87	Deposition kinetics of MS2 bacteriophages on clay mineral surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 340-347.	2.5	32
88	Influence of natural organic matter on the deposition kinetics of extracellular polymeric substances (EPS) on silica. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 151-158.	2.5	29
89	Influence of solution chemistry on the deposition and detachment kinetics of RNA on silica surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 443-449.	2.5	13
90	Deposition kinetics of zinc oxide nanoparticles on natural organic matter coated silica surfaces. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 427-434.	5.0	67

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91	Contribution of Extracellular Polymeric Substances on Representative Gram Negative and Gram Positive Bacterial Deposition in Porous Media. <i>Environmental Science & Technology</i> , 2010, 44, 2393-2399.	4.6	55
92	Influence of biofilm on the transport of fullerene (C60) nanoparticles in porous media. <i>Water Research</i> , 2010, 44, 1094-1103.	5.3	77
93	Deposition Kinetics of Extracellular Polymeric Substances (EPS) on Silica in Monovalent and Divalent Salts. <i>Environmental Science & Technology</i> , 2009, 43, 5699-5704.	4.6	68
94	Influence of Extracellular Polymeric Substances (EPS) on Deposition Kinetics of Bacteria. <i>Environmental Science & Technology</i> , 2009, 43, 2308-2314.	4.6	122
95	Comment on "Transport and fate of bacteria in porous media: Coupled effects of chemical conditions and pore space geometry" by Saeed Torkezaban et al.. <i>Water Resources Research</i> , 2009, 45, .	1.7	17
96	Funneling of Flow into Grain-to-grain Contacts Drives Colloid Colloid Aggregation in the Presence of an Energy Barrier. <i>Environmental Science & Technology</i> , 2008, 42, 2826-2832.	4.6	79
97	Colloid Population Heterogeneity Drives Hyperexponential Deviation from Classic Filtration Theory. <i>Environmental Science & Technology</i> , 2007, 41, 493-499.	4.6	98
98	On colloid retention in saturated porous media in the presence of energy barriers: The failure of λ , and opportunities to predict λ . <i>Water Resources Research</i> , 2007, 43, .	1.7	36
99	Excess Colloid Retention in Porous Media as a Function of Colloid Size, Fluid Velocity, and Grain Angularity. <i>Environmental Science & Technology</i> , 2006, 40, 7725-7731.	4.6	136
100	Spatial Variation in Deposition Rate Coefficients of an Adhesion-Deficient Bacterial Strain in Quartz Sand. <i>Environmental Science & Technology</i> , 2005, 39, 3679-3687.	4.6	55
101	Detachment-Influenced Transport of an Adhesion-Deficient Bacterial Strain within Water-Reactive Porous Media. <i>Environmental Science & Technology</i> , 2005, 39, 2500-2508.	4.6	75