

Yuanyuan Tang

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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.

89
papers

2,154
citations

28
h-index

43
g-index

95
ext. papers

2,904
ext. citations

8.4
avg, IF

5.89
L-index

#	Paper	IF	Citations
89	Adsorption mechanisms of five bisphenol analogues on PVC microplastics. <i>Science of the Total Environment</i> , 2019 , 650, 671-678	10.2	190
88	Bioinspired fabrication of composite nanofiltration membrane based on the formation of DA/PEI layer followed by cross-linking. <i>Journal of Membrane Science</i> , 2014 , 459, 62-71	9.6	92
87	Synthesis of snowflake-shaped Co ₃ O ₄ with a high aspect ratio as a high capacity anode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9689-9699	13	90
86	Environmentally Sustainable Management of Used Personal Protective Equipment. <i>Environmental Science & Technology</i> , 2020 , 54, 8500-8502	10.3	84
85	Studies on a novel nanofiltration membrane prepared by cross-linking of polyethyleneimine on polyacrylonitrile substrate. <i>Journal of Membrane Science</i> , 2014 , 451, 103-110	9.6	84
84	Spatial-temporal distribution of microplastics in surface water and sediments of Maozhou River within Guangdong-Hong Kong-Macao Greater Bay Area. <i>Science of the Total Environment</i> , 2020 , 717, 135187	10.2	71
83	COVID-19 waste management: Effective and successful measures in Wuhan, China. <i>Resources, Conservation and Recycling</i> , 2020 , 163, 105071	11.9	71
82	Copper stabilization via spinel formation during the sintering of simulated copper-laden sludge with aluminum-rich ceramic precursors. <i>Environmental Science & Technology</i> , 2011 , 45, 3598-604	10.3	53
81	An integration of photo-Fenton and membrane process for water treatment by a PVDF@CuFe ₂ O ₄ catalytic membrane. <i>Journal of Membrane Science</i> , 2019 , 572, 419-427	9.6	51
80	Copper aluminate spinel in the stabilization and detoxification of simulated copper-laden sludge. <i>Chemosphere</i> , 2010 , 80, 375-80	8.4	49
79	Zinc stabilization efficiency of aluminate spinel structure and its leaching behavior. <i>Environmental Science & Technology</i> , 2011 , 45, 10544-50	10.3	48
78	Enhanced phosphorus availability and heavy metal removal by chlorination during sewage sludge pyrolysis. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121110	12.8	45
77	Phosphorus speciation in sewage sludge and the sludge-derived biochar by a combination of experimental methods and theoretical simulation. <i>Water Research</i> , 2018 , 140, 90-99	12.5	43
76	Effect of coagulation bath conditions on the morphology and performance of PSf membrane blended with a capsaicin-mimic copolymer. <i>Journal of Membrane Science</i> , 2014 , 455, 121-130	9.6	43
75	Excellent wetting resistance and anti-fouling performance of PVDF membrane modified with superhydrophobic papillae-like surfaces. <i>Journal of Membrane Science</i> , 2017 , 540, 401-410	9.6	41
74	Recycling LiCoO ₂ with methanesulfonic acid for regeneration of lithium-ion battery electrode materials. <i>Journal of Power Sources</i> , 2019 , 436, 226828	8.9	40
73	Copper stabilization in beneficial use of waterworks sludge and copper-laden electroplating sludge for ceramic materials. <i>Waste Management</i> , 2014 , 34, 1085-91	8.6	40

72	Effect of mineral constituents on temperature-dependent structural characterization of carbon fractions in sewage sludge-derived biochar. <i>Journal of Cleaner Production</i> , 2018 , 172, 3342-3350	10.3	40
71	Mechanisms of copper stabilization by mineral constituents in sewage sludge biochar. <i>Journal of Cleaner Production</i> , 2018 , 193, 185-193	10.3	39
70	A novel long-lasting antifouling membrane modified with bifunctional capsaicin-mimic moieties via in situ polymerization for efficient water purification. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10352-10362	13.3	37
69	Detoxification and immobilization of chromite ore processing residue in spinel-based glass-ceramic. <i>Journal of Hazardous Materials</i> , 2017 , 321, 449-455	12.8	37
68	Halloysite nanotube@carbon with rich carboxyl groups as a multifunctional adsorbent for the efficient removal of cationic Pb(II), anionic Cr(VI) and methylene blue (MB). <i>Environmental Science: Nano</i> , 2018 , 5, 2257-2268	7.1	36
67	Double-Barrier mechanism for chromium immobilization: A quantitative study of crystallization and leachability. <i>Journal of Hazardous Materials</i> , 2016 , 311, 246-53	12.8	36
66	General Polyethyleneimine-Mediated Synthesis of Ultrathin Hexagonal Co ₃ O ₄ Nanosheets with Reactive Facets for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2016 , 3, 55-65	4.3	34
65	Mineral additive enhanced carbon retention and stabilization in sewage sludge-derived biochar. <i>Chemical Engineering Research and Design</i> , 2018 , 115, 70-78	5.5	34
64	Feasibility of sewage sludge derived hydrochars for agricultural application: Nutrients (N, P, K) and potentially toxic elements (Zn, Cu, Pb, Ni, Cd). <i>Chemosphere</i> , 2019 , 236, 124841	8.4	33
63	Toxicity trends in E-Waste: A comparative analysis of metals in discarded mobile phones. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120898	12.8	32
62	Product characteristics and kinetics of sewage sludge pyrolysis driven by alkaline earth metals. <i>Energy</i> , 2018 , 153, 921-932	7.9	31
61	Magnetic Mesoporous Calcium Carbonate-Based Nanocomposites for the Removal of Toxic Pb(II) and Cd(II) Ions from Water. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1272-1281	5.6	26
60	Charge-driven self-assembly synthesis of straw-sheaf-like Co ₃ O ₄ with superior cyclability and rate capability for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 338, 278-286	14.7	25
59	Enhancing the permeance and antifouling properties of thin-film composite nanofiltration membranes modified with hydrophilic capsaicin-mimic moieties. <i>Journal of Membrane Science</i> , 2020 , 610, 118233	9.6	25
58	Toxicity evaluation of E-waste plastics and potential repercussions for human health. <i>Environment International</i> , 2020 , 137, 105559	12.9	24
57	Facile solvothermal synthesis and superior lithium storage capability of Co ₃ O ₄ nanoflowers with multi-scale dimensions. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 468-476	7.8	24
56	Consequential fate of bisphenol-attached PVC microplastics in water and simulated intestinal fluids. <i>Environmental Science and Ecotechnology</i> , 2020 , 2, 100027	7.4	24
55	Copper sludge from printed circuit board production/recycling for ceramic materials: a quantitative analysis of copper transformation and immobilization. <i>Environmental Science & Technology</i> , 2013 , 47, 8609-15	10.3	23

54	Rectangular Co ₃ O ₄ with micro-/nanoarchitectures: charge-driven PDDA-assisted synthesis and excellent lithium storage performance. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 4911-23	3.6	22
53	Medical waste: Current challenges and future opportunities for sustainable management. <i>Critical Reviews in Environmental Science and Technology</i> , 1-23	11.1	22
52	Determination of Environmental Micro(Nano)Plastics by Matrix-Assisted Laser Desorption/Ionization-Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 14346-14356	7.8	21
51	Identification of microbial inhibitions and mitigation strategies towards cleaner bioconversions of palm oil mill effluent (POME): A review. <i>Journal of Cleaner Production</i> , 2021 , 280, 124346	10.3	21
50	Alkali metal-driven release behaviors of volatiles during sewage sludge pyrolysis. <i>Journal of Cleaner Production</i> , 2018 , 203, 860-872	10.3	21
49	Fabrication of nano CuAlO spinel for copper stabilization and antibacterial application. <i>Journal of Hazardous Materials</i> , 2019 , 371, 550-557	12.8	18
48	Cubic and tetragonal ferrite crystal structures for copper ion immobilization in an iron-rich ceramic matrix. <i>RSC Advances</i> , 2016 , 6, 28579-28585	3.7	17
47	Sewage sludge incineration ash for coimmobilization of lead, zinc and copper: Mechanisms of metal incorporation and competition. <i>Waste Management</i> , 2019 , 99, 102-111	8.6	16
46	Alumina polymorphs affect the metal immobilization effect when beneficially using copper-bearing industrial sludge for ceramics. <i>Chemosphere</i> , 2014 , 117, 575-81	8.4	13
45	Prolonged toxicity characteristic leaching procedure for nickel and copper aluminates. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 829-35		13
44	Residues from Sewage Sludge Incineration for Ceramic Products with Potential for Zinc Stabilization. <i>Waste Management</i> , 2018 , 82, 188-197	8.6	13
43	Nano CuAlO spinel mineral as a novel antibacterial agent for PVDF membrane modification with minimized copper leachability. <i>Journal of Hazardous Materials</i> , 2019 , 368, 421-428	12.8	12
42	Carbonaceous halloysite nanotubes for the stabilization of Co, Ni, Cu and Zn in river sediments. <i>Environmental Science: Nano</i> , 2019 , 6, 2420-2428	7.1	12
41	An experimental study about the effects of phosphorus loading in river sediment on the transport of lead and cadmium at sediment-water interface. <i>Science of the Total Environment</i> , 2020 , 720, 137535	10.2	12
40	Ultrafiltration membranes with ultrafast water transport tuned via different substrates. <i>Chemical Engineering Journal</i> , 2016 , 303, 322-330	14.7	12
39	Holistic process evaluation of non-conventional palm oil mill effluent (POME) treatment technologies: A conceptual and comparative review. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124964	12.8	12
38	Stabilization Mechanisms and Reaction Sequences for Sintering Simulated Copper-Laden Sludge with Alumina. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1239-1245	8.3	11
37	Mechanisms of zinc incorporation in aluminosilicate crystalline structures and the leaching behaviour of product phases. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 2977-86	2.6	10

36	Incorporating Simulated Zinc Ash by Kaolinite- and Sludge-based Ceramics: Phase Transformation and Product Leachability. <i>Chinese Journal of Chemical Engineering</i> , 2012 , 20, 411-416	3.2	10
35	Typhoon-induced turbulence redistributed microplastics in coastal areas and reformed plastisphere community. <i>Water Research</i> , 2021 , 204, 117580	12.5	10
34	Co-stabilization of Pb/Cu/Zn by beneficial utilization of sewage sludge incineration ash: Effects of heavy metal type and content. <i>Resources, Conservation and Recycling</i> , 2020 , 156, 104671	11.9	9
33	Bicontinuous and cellular structure design of PVDF membranes by using binary solvents for the membrane distillation process.. <i>RSC Advances</i> , 2018 , 8, 25159-25167	3.7	9
32	A comparison study on heavy metal/metalloid stabilization in Maozhou River sediment by five types of amendments. <i>Journal of Soils and Sediments</i> , 2019 , 19, 3922-3933	3.4	8
31	Micro/nanostructured MnCo ₂ O _{4.5} anodes with high reversible capacity and excellent rate capability for next generation lithium-ion batteries. <i>Applied Energy</i> , 2019 , 252, 113452	10.7	7
30	Microstructure and desalination performance of polyamide membranes interfacially regulated via single-side post-modified CNTs networks. <i>Desalination</i> , 2020 , 482, 114408	10.3	7
29	Dual role of coal fly ash in copper ion adsorption followed by thermal stabilization in a spinel solid solution.. <i>RSC Advances</i> , 2018 , 8, 8805-8812	3.7	7
28	Synthesis of Sea Urchin-Like NiCoO via Charge-Driven Self-Assembly Strategy for High-Performance Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2019 , 14, 6	5	7
27	Uncovering material flow analysis of waste cathode ray tubes television in China. <i>Waste Management and Research</i> , 2019 , 37, 1170-1177	4	6
26	Thin Film Composite Forward Osmosis Membrane with Single-Walled Carbon Nanotubes Interlayer for Alleviating Internal Concentration Polarization. <i>Polymers</i> , 2020 , 12,	4.5	6
25	Community Dynamics of Seed Rain in Mixed Evergreen Broad-leaved and Deciduous Forests in a Subtropical Mountain of Central China. <i>Journal of Integrative Plant Biology</i> , 2007 , 49, 1294-1303	8.3	6
24	Beneficial metal stabilization mechanisms using simulated sludge incineration ash for ceramic products. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 536-543	3.5	5
23	Oyster shell powder for Pb(II) immobilization in both aquatic and sediment environments. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 1891-1902	4.7	5
22	3D hierarchical defect-rich C@MoS ₂ nanosheet arrays developed on montmorillonite with enhanced performance in Pb(II) removal. <i>Environmental Science: Nano</i> , 2020 , 7, 3088-3099	7.1	4
21	Zinc Immobilization in Simulated Aluminum-rich Waterworks Sludge Systems. <i>Procedia Environmental Sciences</i> , 2016 , 31, 691-697		4
20	Hydrothermal Synthesis of Mesoporous Co ₃ O ₄ Nanorods as High Capacity Anode Materials for Lithium Ion Batteries. <i>Energy Procedia</i> , 2019 , 158, 5293-5298	2.3	3
19	A kinetic study on the mechanisms of metal leaching from the top surface layer of copper aluminates and copper ferrites. <i>Environmental Geochemistry and Health</i> , 2019 , 41, 2491-2503	4.7	3

18	Data processing to support explication about effect of mineral constituents on temperature-dependent structural characterization of carbon fractions in sewage sludge-derived biochar. <i>Data in Brief</i> , 2018 , 17, 1304-1306	1.2	3
17	Highly Dual Antifouling and Antibacterial Ultrafiltration Membranes Modified with Silane Coupling Agent and Capsaicin-Mimic Moieties. <i>Polymers</i> , 2020 , 12,	4.5	3
16	Simultaneous Immobilization of Zn(II) and Cr(III) in Spinel Crystals from Beneficial Utilization of Waste Brownfield-Site Soils. <i>Clays and Clay Minerals</i> , 2019 , 67, 315-324	2.1	3
15	Systematic review of pregnancy and neonatal health outcomes associated with exposure to e-waste disposal. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 2424-2448	11.1	3
14	Beneficial utilization of Al/Si/O-rich solid wastes for environment-oriented ceramic membranes. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123427	12.8	3
13	Release of tens of thousands of microfibers from discarded face masks under simulated environmental conditions. <i>Science of the Total Environment</i> , 2022 , 806, 150458	10.2	3
12	Effect of crystal size on zinc stabilization in aluminum-rich ceramic matrix. <i>Journal of Material Cycles and Waste Management</i> , 2018 , 20, 2110-2116	3.4	2
11	Beneficial use of aluminium and iron components of sludge incineration residues in ceramic materials. <i>HKIE Transactions</i> , 2014 , 21, 223-231	2.9	2
10	Cu/Cr co-stabilization mechanisms in a simulated Al ₂ O ₃ -Fe ₂ O ₃ -Cr ₂ O ₃ -CuO waste system. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 1	5.8	2
9	Magnesium-Functionalized Ferro Metal/Carbon Nanocomposite (Mg-FeMeC) for Efficient Uranium Extraction from Natural Seawater. <i>ACS ES&T Water</i> , 2021 , 1, 980-990		2
8	Intertidal zone effects on Occurrence, fate and potential risks of microplastics with perspectives under COVID-19 pandemic. <i>Chemical Engineering Journal</i> , 2022 , 429, 132351	14.7	2
7	Efficient Atmospheric Transport of Microplastics over Asia and Adjacent Oceans.. <i>Environmental Science & Technology</i> , 2022 , 56, 6243-6252	10.3	2
6	Industrial sludge for ceramic products and its benefit for metal stabilization 2019 , 253-293		1
5	Exceptionally amino-quantitated 3D MOF@CNT-sponge hybrid for efficient and selective recovery of Au(III) and Pd(II). <i>Chemical Engineering Journal</i> , 2021 , 431, 133367	14.7	1
4	Develop spinel structure and quantify phase transformation for nickel stabilization in electroplating sludge. <i>Waste Management</i> , 2021 , 131, 286-293	8.6	1
3	Dependable Performance of Thin Film Composite Nanofiltration Membrane Tailored by Capsaicin-Derived Self-Polymer.. <i>Polymers</i> , 2022 , 14,	4.5	1
2	Sustainable materials alternative to petrochemical plastics pollution: A review analysis 2022 , 2, 100016		0
1	General Polyethyleneimine-Mediated Synthesis of Ultrathin Hexagonal Co ₃ O ₄ Nanosheets with Reactive Facets for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2016 , 3, 3-3	4.3	

