

Ying Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,751
citations

304368

22
h-index

377514

34
g-index

37
all docs

37
docs citations

37
times ranked

2389
citing authors

#	ARTICLE	IF	CITATIONS
1	Faeces “Urine separation via settling and displacement: Prototype tests for a novel non-sewered sanitation system. <i>Science of the Total Environment</i> , 2021, 753, 141881.	3.9	2
2	Membrane distillation of concentrated blackwater: Effect of temperature, solids concentration and membrane pore size. <i>Water Environment Research</i> , 2021, 93, 875-886.	1.3	2
3	High photocatalytic activity of Cu ₂ O embedded in hierarchically hollow SiO ₂ for efficient chemoselective hydrogenation of nitroarenes. <i>Journal of Materials Science</i> , 2021, 56, 3874-3886.	1.7	15
4	Understanding the Dechlorination of Chlorinated Hydrocarbons in the Pyrolysis of Mixed Plastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1576-1589.	3.2	33
5	Ag/Ag ₂ O confined visible-light driven catalyst for highly efficient selective hydrogenation of nitroarenes in pure water medium at room temperature. <i>Chemical Engineering Journal</i> , 2020, 394, 125036.	6.6	19
6	Pyrolysis characteristics and kinetics of human faeces, simulant faeces and wood biomass by thermogravimetry“gas chromatography“mass spectrometry methods. <i>Energy Reports</i> , 2020, 6, 3230-3239.	2.5	15
7	Ammonia inhibition and toxicity in anaerobic digestion: A critical review. <i>Journal of Water Process Engineering</i> , 2019, 32, 100899.	2.6	222
8	Hybrid membrane distillation reverse electrodialysis configuration for water and energy recovery from human urine: An opportunity for off-grid decentralised sanitation. <i>Journal of Membrane Science</i> , 2019, 584, 343-352.	4.1	37
9	Reaction mechanism of arsenic capture by a calcium-based sorbent during the combustion of arsenic-contaminated biomass: A pilot-scale experience. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	14
10	Silver nanoparticles confined in shell-in-shell hollow TiO ₂ manifesting efficiently photocatalytic activity and stability. <i>Chemical Engineering Journal</i> , 2019, 367, 249-259.	6.6	147
11	Planning and communicating prototype tests for the Nano Membrane Toilet: A critical review and proposed visual tool. <i>Gates Open Research</i> , 2019, 3, 1532.	2.0	0
12	Probabilistic performance assessment of complex energy process systems “The case of a self-sustained sanitation system. <i>Energy Conversion and Management</i> , 2018, 163, 74-85.	4.4	12
13	Thermodynamic analysis of a gamma type Stirling engine in an energy recovery system. <i>Energy Conversion and Management</i> , 2018, 165, 528-540.	4.4	32
14	Migration and emission of mercury from circulating fluidized bed boilers co-firing petroleum coke and coal. <i>Fuel</i> , 2018, 215, 638-646.	3.4	24
15	Design and commissioning of a multi-mode prototype for thermochemical conversion of human faeces. <i>Energy Conversion and Management</i> , 2018, 163, 507-524.	4.4	14
16	Quantifying the percentage of methane formation via acetoclastic and syntrophic acetate oxidation pathways in anaerobic digesters. <i>Waste Management</i> , 2018, 71, 749-756.	3.7	55
17	Possible Interactions and Interferences of Copper, Chromium, and Arsenic during the Gasification of Contaminated Waste Wood. <i>Energies</i> , 2018, 11, 1966.	1.6	3
18	Conceptual environmental impact assessment of a novel self-sustained sanitation system incorporating a quantitative microbial risk assessment approach. <i>Science of the Total Environment</i> , 2018, 639, 657-672.	3.9	24

#	ARTICLE	IF	CITATIONS
19	Interactions and interferences of Cu, Cr and As during contaminated waste wood gasification: A thermodynamic equilibrium study. , 2018, , .		0
20	Arsenic transformation behaviour during thermal decomposition of <i>P. vittata</i> , an arsenic hyperaccumulator. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 584-591.	2.6	34
21	Phytoremediation-biorefinery tandem for effective clean-up of metal contaminated soil and biomass valorisation. <i>International Journal of Phytoremediation</i> , 2017, 19, 965-975.	1.7	5
22	Investigation of the impact of trace elements on anaerobic volatile fatty acid degradation using a fractional factorial experimental design. <i>Water Research</i> , 2017, 125, 458-465.	5.3	28
23	Partitioning behavior of Arsenic in circulating fluidized bed boilers co-firing petroleum coke and coal. <i>Fuel Processing Technology</i> , 2017, 166, 107-114.	3.7	27
24	Experimental and kinetic study of thermal decomposition behaviour of phytoremediation derived <i>Pteris vittata</i> . <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1207-1216.	2.0	8
25	China's soil and groundwater management challenges: Lessons from the UK's experience and opportunities for China. <i>Environment International</i> , 2016, 91, 196-200.	4.8	47
26	Partitioning of trace elements, As, Ba, Cd, Cr, Cu, Mn and Pb, in a 2.5 MWth pilot-scale circulating fluidised bed combustor burning an anthracite and a bituminous coal. <i>Fuel Processing Technology</i> , 2016, 146, 1-8.	3.7	30
27	An experimental investigation of the combustion performance of human faeces. <i>Fuel</i> , 2016, 184, 780-791.	3.4	53
28	Insights into the biodegradation of weathered hydrocarbons in contaminated soils by bioaugmentation and nutrient stimulation. <i>Chemosphere</i> , 2016, 161, 300-307.	4.2	94
29	Conceptual energy and water recovery system for self-sustained nano membrane toilet. <i>Energy Conversion and Management</i> , 2016, 126, 352-361.	4.4	29
30	Solidâ€“gaseous phase transformation of elemental contaminants during the gasification of biomass. <i>Science of the Total Environment</i> , 2016, 563-564, 724-730.	3.9	35
31	Integrating phytoremediation with biomass valorisation and critical element recovery: A UK contaminated land perspective. <i>Biomass and Bioenergy</i> , 2015, 83, 328-339.	2.9	118
32	Rare earth elements and critical metal content of extracted landfilled material and potential recovery opportunities. <i>Waste Management</i> , 2015, 42, 128-136.	3.7	96
33	Determination of long chain fatty acids in anaerobic digesters using a rapid non-derivatisation GC-FID method. <i>Water Science and Technology</i> , 2012, 66, 741-747.	1.2	7
34	Trace element requirements for stable food waste digestion at elevated ammonia concentrations. <i>Bioresource Technology</i> , 2012, 104, 127-135.	4.8	307
35	Strategies for stable anaerobic digestion of vegetable waste. <i>Renewable Energy</i> , 2012, 44, 206-214.	4.3	110
36	Technical Note: Effects of Arsenate (AS^{5+}) on Growth and Production of Glutathione (GSH) and Phytochelatins (PCS) in <i>Chlorella Vulgaris</i> . <i>International Journal of Phytoremediation</i> , 2011, 13, 834-844.	1.7	52

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37	Planning and communicating prototype tests for the Nano Membrane Toilet: A critical review and proposed strategy. Gates Open Research, 0, 3, 1532.	2.0	1