

# Ying Jiang

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,751  
citations

304602

22  
h-index

377752

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2389  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Trace element requirements for stable food waste digestion at elevated ammonia concentrations. <i>Bioresource Technology</i> , 2012, 104, 127-135.  | 4.8 | 307       |
| 2  | Ammonia inhibition and toxicity in anaerobic digestion: A critical review. <i>Journal of Water Process Engineering</i> , 2019, 32, 100899.  | 2.6 | 222       |
| 3  | Silver nanoparticles confined in shell-in-shell hollow TiO <sub>2</sub> manifesting efficiently photocatalytic activity and stability. <i>Chemical Engineering Journal</i> , 2019, 367, 249-259.                                    | 6.6 | 147       |
| 4  | 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       |
| 5  | Strategies for stable anaerobic digestion of vegetable waste. <i>Renewable Energy</i> , 2012, 44, 206-214.  | 4.3 | 110       |
| 6  | 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        |
| 7  | 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        |
| 8  | 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        |
| 9  | An experimental investigation of the combustion performance of human faeces. <i>Fuel</i> , 2016, 184, 780-791.  | 3.4 | 53        |
| 10 | Technical Note: Effects of Arsenate (AS <sup>5+</sup> ) 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        |
| 11 | 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        |
| 12 | Hybrid membrane distillation reverse electro dialysis 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        |
| 13 | Solid-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        |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|--|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 22 | 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        |
| 23 | Ag/Ag <sub>2</sub> 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        |
| 24 | High photocatalytic activity of Cu <sub>2</sub> O embedded in hierarchically hollow SiO <sub>2</sub> for efficient chemoselective hydrogenation of nitroarenes. <i>Journal of Materials Science</i> , 2021, 56, 3874-3886. | 1.7 | 15        |
| 25 | 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        |
| 26 | 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        |
| 27 | 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        |
| 28 | 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        |
| 29 | 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         |
| 30 | 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         |
| 31 | 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         |
| 32 | 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         |
| 33 | 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         |
| 34 | 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         |
| 35 | Planning and communicating prototype tests for the Nano Membrane Toilet: A critical review and proposed strategy. <i>Gates Open Research</i> , 0, 3, 1532.   | 2.0 | 1         |
| 36 | Interactions and interferences of Cu, Cr and As during contaminated waste wood gasification: A thermodynamic equilibrium study. , 2018, , .  |     | 0         |

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|----|--|-----|-----------|
| 37 | Planning and communicating prototype tests for the Nano Membrane Toilet: A critical review and proposed visual tool. Gates Open Research, 2019, 3, 1532. | 2.0 | 0         |