# Yu Yang

## List of Publications by Year in Descending Order



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| 52 papers | 1,288 citations | 23 h-index | 34 g-index |
| 53 ext. papers | 1,677 ext. citations | 8.6 avg, IF | 4.82 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 52 | Introduction of N-containing moieties by ammonia plasma technique can substantially improve ciprofloxacin removal by biochar and the associated mechanisms: Spectroscopic and site energy distribution analysis. *Journal of Hazardous Materials*, **2022**, 424, 127438 | 12.8 | 0 |
| 51 | Modeling the fate and human health impacts of pharmaceuticals and personal care products in reclaimed wastewater irrigation for agriculture. *Environmental Pollution*, **2021**, 276, 116532 | 9.3 | 8 |
| 50 | A mechanistic study on removal efficiency of four antibiotics by animal and plant origin precursors-derived biochars. *Science of the Total Environment*, **2021**, 772, 145468 | 10.2 | 19 |
| 49 | Quantification of carboxyl-functionalized multiwall carbon nanotubes in plant tissues with programmed thermal analysis. *Journal of Environmental Quality*, **2021**, 50, 278-285 | 3.4 | |
| 48 | Application of TiO nanoparticles to reduce bioaccumulation of arsenic in rice seedlings (Oryza sativa L.): A mechanistic study. *Journal of Hazardous Materials*, **2021**, 405, 124047 | 12.8 | 28 |
| 47 | Stronger impacts of long-term relative to short-term exposure to carbon nanomaterials on soil bacterial communities. *Journal of Hazardous Materials*, **2021**, 410, 124550 | 12.8 | 4 |
| 46 | Reclaimed wastewater as a viable water source for agricultural irrigation: A review of food crop growth inhibition and promotion in the context of environmental change. *Science of the Total Environment*, **2020**, 739, 139756 | 10.2 | 23 |
| 45 | Multifocal 1064  nm Raman imaging of carbon nanotubes. *Optics Letters*, **2020**, 45, 5132-5135 | 3 | 1 |
| 44 | Potential application of titanium dioxide nanoparticles to improve the nutritional quality of coriander (Coriandrum sativum L.). *Journal of Hazardous Materials*, **2020**, 389, 121837 | 12.8 | 35 |
| 43 | Anaerobic Dehalogenation by Reduced Aqueous Biochars. *Environmental Science & Technology*, **2020**, 54, 15142-15150 | 10.3 | 5 |
| 42 | Trace organic contaminants in field-scale cultivated alfalfa, soil, and pore water after 10 years of irrigation with reclaimed wastewater. *Science of the Total Environment*, **2020**, 744, 140698 | 10.2 | 6 |
| 41 | Emerging investigator series: quantification of multiwall carbon nanotubes in plant tissues with spectroscopic analysis. *Environmental Science: Nano*, **2019**, 6, 380-387 | 7.1 | 7 |
| 40 | Plasma assisted-synthesis of magnetic TiO/SiO/FeO-polyacrylic acid microsphere and its application for lead removal from water. *Science of the Total Environment*, **2019**, 681, 124-132 | 10.2 | 16 |
| 39 | Effects of Various Carbon Nanotubes on Soil Bacterial Community Composition and Structure. *Environmental Science & Technology*, **2019**, 53, 5707-5716 | 10.3 | 22 |
| 38 | Biogeochemical fate of ferrihydrite-model organic compound complexes during anaerobic microbial reduction. *Science of the Total Environment*, **2019**, 668, 216-223 | 10.2 | 4 |
| 37 | Humic Acid Can Enhance the Mineralization of Phenanthrene Sorbed on Biochars. *Environmental Science & Technology*, **2019**, 53, 13201-13208 | 10.3 | 5 |
| 36 | Aerobic respiration of mineral-bound organic carbon in a soil. *Science of the Total Environment*, **2019**, 651, 1253-1260 | 10.2 | 13 |

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| 35 | Formation and redox reactivity of ferrihydrite-organic carbon-calcium co-precipitates. *Geochimica Et Cosmochimica Acta*, **2019**, 244, 86-98 | 5.5 | 21 |
| 34 | Development and application of a digestion-Raman analysis approach for studying multiwall carbon nanotube uptake in lettuce. *Environmental Science: Nano*, **2018**, 5, 659-668 | 7.1 | 14 |
| 33 | Dual Role of Humic Substances As Electron Donor and Shuttle for Dissimilatory Iron Reduction. *Environmental Science & Technology*, **2018**, 52, 5691-5699 | 10.3 | 63 |
| 32 | Effect of minerals on the stability of biochar. *Chemosphere*, **2018**, 204, 310-317 | 8.4 | 60 |
| 31 | A mechanistic study of stable dispersion of titanium oxide nanoparticles by humic acid. *Water Research*, **2018**, 135, 85-94 | 12.5 | 12 |
| 30 | Bioaccumulation of C-Labeled Graphene in an Aquatic Food Chain through Direct Uptake or Trophic Transfer. *Environmental Science & Technology*, **2018**, 52, 541-549 | 10.3 | 25 |
| 29 | Transformation of 14C-Labeled Graphene to 14CO2 in the Shoots of a Rice Plant. *Angewandte Chemie*, **2018**, 130, 9907-9911 | 3.6 | 13 |
| 28 | Digestion Coupled with Programmed Thermal Analysis for Quantification of Multiwall Carbon Nanotubes in Plant Tissues. *Environmental Science and Technology Letters*, **2018**, 5, 442-447 | 11 | 5 |
| 27 | Carbon nanomaterials differentially impact mineralization kinetics of phenanthrene and indigenous microbial communities in a natural soil. *NanoImpact*, **2018**, 11, 146-155 | 5.6 | 7 |
| 26 | Transformation of C-Labeled Graphene to CO in the Shoots of a Rice Plant. *Angewandte Chemie - International Edition*, **2018**, 57, 9759-9763 | 16.4 | 30 |
| 25 | Stability of Ferrihydrite-Humic Acid Coprecipitates under Iron-Reducing Conditions. *Environmental Science & Technology*, **2018**, 52, 13174-13183 | 10.3 | 18 |
| 24 | Spatial Associations and Chemical Composition of Organic Carbon Sequestered in Fe, Ca, and Organic Carbon Ternary Systems. *Environmental Science & Technology*, **2018**, 52, 6936-6944 | 10.3 | 40 |
| 23 | Effect of multiwalled carbon nanotubes on uptake of pyrene by cucumber (Cucumis sativus L.): Mechanistic perspectives. *NanoImpact*, **2018**, 10, 168-176 | 5.6 | 8 |
| 22 | Coupled dynamics of iron and iron-bound organic carbon in forest soils during anaerobic reduction. *Chemical Geology*, **2017**, 464, 118-126 | 4.2 | 43 |
| 21 | Microbial Transformation of Multiwalled Carbon Nanotubes by Mycobacterium vanbaalenii PYR-1. *Environmental Science & Technology*, **2017**, 51, 2068-2076 | 10.3 | 21 |
| 20 | Emerging investigator series: dual role of organic matter in the anaerobic degradation of triclosan. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 499-506 | 4.3 | 4 |
| 19 | Identifying structural characteristics of humic acid to static and dynamic fluorescence quenching of phenanthrene, 9-phenanthrol, and naphthalene. *Water Research*, **2017**, 122, 337-344 | 12.5 | 23 |
| 18 | Influence of multiwalled carbon nanotubes and sodium dodecyl benzene sulfonate on bioaccumulation and translocation of pyrene and 1-methylpyrene in maize (Zea mays) seedlings. *Environmental Pollution*, **2017**, 220, 1409-1417 | 9.3 | 9 |

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| 17 | Association of 16 priority polycyclic aromatic hydrocarbons with humic acid and humin fractions in a peat soil and implications for their long-term retention. *Environmental Pollution*, **2017**, 230, 882-890 | 9.3 | 33 |
| 16 | Influence of multi-walled carbon nanotubes and fullerenes on the bioaccumulation and elimination kinetics of phenanthrene in geophagous earthworms (Metaphire guillelmi). *Environmental Science: Nano*, **2017**, 4, 1887-1899 | 7.1 | 7 |
| 15 | Dynamics of ferrihydrite-bound organic carbon during microbial Fe reduction. *Geochimica Et Cosmochimica Acta*, **2017**, 212, 221-233 | 5.5 | 63 |
| 14 | Asynchronous reductive release of iron and organic carbon from hematite–humic acid complexes. *Chemical Geology*, **2016**, 430, 13-20 | 4.2 | 28 |
| 13 | Biochar-Facilitated Microbial Reduction of Hematite. *Environmental Science & Technology*, **2016**, 50, 2389-95 | 10.3 | 110 |
| 12 | Biodegradation, Biosorption of Phenanthrene and Its Trans-Membrane Transport by Massilia sp. WF1 and Phanerochaete chrysosporium. *Frontiers in Microbiology*, **2016**, 7, 38 | 5.7 | 37 |
| 11 | Impact of humic acid coating on sorption of naphthalene by biochars. *Carbon*, **2015**, 94, 946-954 | 10.4 | 27 |
| 10 | Selective stabilization of aliphatic organic carbon by iron oxide. *Scientific Reports*, **2015**, 5, 11214 | 4.9 | 63 |
| 9 | Destruction of methyl bromide sorbed to activated carbon by thiosulfate or electrolysis. *Environmental Science & Technology*, **2015**, 49, 4515-21 | 10.3 | 12 |
| 8 | Impact of interactions between natural organic matter and metal oxides on the desorption kinetics of uranium from heterogeneous colloidal suspensions. *Environmental Science & Technology*, **2013**, 47, 2661-9 | 10.3 | 36 |
| 7 | Impact of natural organic matter on uranium transport through saturated geologic materials: from molecular to column scale. *Environmental Science & Technology*, **2012**, 46, 5931-8 | 10.3 | 47 |
| 6 | Mechanisms regulating bioavailability of phenanthrene sorbed on a peat soil-origin humic substance. *Environmental Toxicology and Chemistry*, **2012**, 31, 1431-7 | 3.8 | 15 |
| 5 | Impact of de-ashing humic Acid and humin on organic matter structural properties and sorption mechanisms of phenanthrene. *Environmental Science & Technology*, **2011**, 45, 3996-4002 | 10.3 | 73 |
| 4 | Effects of composition and domain arrangement of biopolymer components of soil organic matter on the bioavailability of phenanthrene. *Environmental Science & Technology*, **2010**, 44, 3339-44 | 10.3 | 25 |
| 3 | Bioavailability of sorbed phenanthrene and permethrin in sediments to Chironomus tentans. *Aquatic Toxicology*, **2010**, 98, 83-90 | 5.1 | 19 |
| 2 | Effect of activated carbon on microbial bioavailability of phenanthrene in soils. *Environmental Toxicology and Chemistry*, **2009**, 28, 2283-8 | 3.8 | 32 |
| 1 | Microbial availability of different forms of phenanthrene in soils. *Environmental Science & Technology*, **2009**, 43, 1852-7 | 10.3 | 48 |