

# Li Wang

## List of Publications by Year in descending order

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72  
papers

3,266  
citations

201575

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155592

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74  
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74  
docs citations

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times ranked

3485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of earthworms and arbuscular mycorrhizal fungi on improvement of fertility and microbial communities of soils heavily polluted by cadmium. <i>Chemosphere</i> , 2022, 286, 131567.	4.2	20
2	Recent advances in responses of arbuscular mycorrhizal fungi - Plant symbiosis to engineered nanoparticles. <i>Chemosphere</i> , 2022, 286, 131644.	4.2	23
3	FeOx@graphitic carbon core-shell embedded in microporous N-doped biochar activated peroxydisulfate for removal of Bisphenol A: Multiple active sites induced non-radical/radical mechanism. <i>Chemical Engineering Journal</i> , 2022, 438, 135552.	6.6	30
4	Asymmetric interaction and concurrent remediation of copper and atrazine by <i>Acorus tatarinowii</i> in an aquatic system. <i>Journal of Hazardous Materials</i> , 2022, 435, 128888.	6.5	5
5	How a functional soil animal-earthworm affect arbuscular mycorrhizae-assisted phytoremediation in metals contaminated soil?. <i>Journal of Hazardous Materials</i> , 2022, 435, 128991.	6.5	7
6	Earthworm and arbuscular mycorrhiza interactions: Strategies to motivate antioxidant responses and improve soil functionality. <i>Environmental Pollution</i> , 2021, 272, 115980.	3.7	18
7	Transformation of oil and hexadecane in soil by microbial preparations and earthworms. <i>Bioremediation Journal</i> , 2021, 25, 159-168.	1.0	2
8	Sorption mechanisms of antibiotic sulfamethazine (SMT) on magnetite-coated biochar: pH-dependence and redox transformation. <i>Chemosphere</i> , 2021, 268, 128805.	4.2	21
9	Modeling the effects of historical and future land use/land cover change dynamics on the hydrological response of Ashi watershed, northeastern China. <i>Environment, Development and Sustainability</i> , 2021, 23, 7883-7912.	2.7	12
10	Effects of arbuscular mycorrhizal fungi on the growth and toxic element uptake of <i>Phragmites australis</i> (Cav.) Trin. ex Steud under zinc/cadmium stress. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 112023.	2.9	32
11	Coating magnetite alters the mechanisms and site energy for sulfonamide antibiotic sorption on biochar. <i>Journal of Hazardous Materials</i> , 2021, 409, 125024.	6.5	13
12	A bio-functions integration microcosm: Self-immobilized biochar-pellets combined with two strains of bacteria to remove atrazine in water and mechanisms. <i>Journal of Hazardous Materials</i> , 2020, 384, 121326.	6.5	65
13	Arbuscular mycorrhizal fungi effect growth and photosynthesis of <i>Phragmites australis</i> (Cav.) Trin. ex. Steudel under copper stress. <i>Plant Biology</i> , 2020, 22, 62-69.	1.8	50
14	Self-assembly biochar colloids mycelial pellet for heavy metal removal from aqueous solution. <i>Chemosphere</i> , 2020, 242, 125182.	4.2	48
15	Integration of earthworms and arbuscular mycorrhizal fungi into phytoremediation of cadmium-contaminated soil by <i>Solanum nigrum</i> L. <i>Journal of Hazardous Materials</i> , 2020, 389, 121873.	6.5	60
16	Seasonal variation and influence factors of organophosphate esters in air particulate matter of a northeastern Chinese test home. <i>Science of the Total Environment</i> , 2020, 740, 140048.	3.9	11
17	Evidence and impact of map error on land use and land cover dynamics in Ashi River watershed using intensity analysis. <i>PLoS ONE</i> , 2020, 15, e0229298.	1.1	8
18	Self-immobilized biomixture with pellets of <i>Aspergillus niger</i> Y3 and <i>Arthrobacter. sp</i> ZXY-2 to remove atrazine in water: A bio-functions integration system. <i>Science of the Total Environment</i> , 2019, 689, 875-882.	3.9	35

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19	Mechanisms and reutilization of modified biochar used for removal of heavy metals from wastewater: A review. <i>Science of the Total Environment</i> , 2019, 668, 1298-1309.	3.9	315
20	The speciation and distribution characteristics of Cu in <i>Phragmites australis</i> (Cav.) Trin ex. Steudel. <i>Plant Biology</i> , 2019, 21, 873-881.	1.8	5
21	Novel self-immobilized biomass mixture based on mycelium pellets for wastewater treatment: A review. <i>Water Environment Research</i> , 2019, 91, 93-100.	1.3	23
22	Can Cd translocation in <i>Oryza sativa</i> L. be attenuated by arbuscular mycorrhizal fungi in the presence of EDTA?. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9380-9390.	2.7	6
23	Characterisation of an efficient atrazine-degrading bacterium, <i>Arthrobacter</i> sp. ZXY-2: an attempt to lay the foundation for potential bioaugmentation applications. <i>Biotechnology for Biofuels</i> , 2018, 11, 113.	6.2	19
24	Unraveling the effects of arbuscular mycorrhizal fungus on uptake, translocation, and distribution of cadmium in <i>Phragmites australis</i> (Cav.) Trin. ex Steud. <i>Ecotoxicology and Environmental Safety</i> , 2018, 149, 43-50.	2.9	53
25	Catalytic Removal of Aqueous Contaminants on N-Doped Graphitic Biochars: Inherent Roles of Adsorption and Nonradical Mechanisms. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8649-8658.	4.6	820
26	Enhanced hexavalent chromium removal performance and stabilization by magnetic iron nanoparticles assisted biochar in aqueous solution: Mechanisms and application potential. <i>Chemosphere</i> , 2018, 207, 50-59.	4.2	164
27	Enhanced antimonate (Sb(V)) removal from aqueous solution by La-doped magnetic biochars. <i>Chemical Engineering Journal</i> , 2018, 354, 623-632.	6.6	117
28	Effect of plant species compositions on performance of lab-scale constructed wetland through investigating photosynthesis and microbial communities. <i>Bioresource Technology</i> , 2017, 229, 196-203.	4.8	49
29	Role of <i>Rhizophagus irregularis</i> in alleviating cadmium toxicity via improving the growth, micro- and macroelements uptake in <i>Phragmites australis</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 3593-3607.	2.7	35
30	Pollution tolerant protozoa in polluted wetland. <i>Bioresource Technology</i> , 2017, 240, 115-122.	4.8	10
31	Adaptive response of arbuscular mycorrhizal symbiosis to accumulation of elements and translocation in <i>Phragmites australis</i> affected by cadmium stress. <i>Journal of Environmental Management</i> , 2017, 197, 448-455.	3.8	39
32	Complete genome sequence of <i>Arthrobacter</i> sp. ZXY-2 associated with effective atrazine degradation and salt adaptation. <i>Journal of Biotechnology</i> , 2017, 248, 43-47.	1.9	45
33	Characterization of fly ash ceramic pellet for phosphorus removal. <i>Journal of Environmental Management</i> , 2017, 189, 67-74.	3.8	28
34	Bifunctional Au@TiO <sub>2</sub> core-shell nanoparticle films for clean water generation by photocatalysis and solar evaporation. <i>Energy Conversion and Management</i> , 2017, 132, 452-459.	4.4	170
35	Effects of <i>Funnelliformis mosseae</i> inoculation on alleviating atrazine damage in <i>Canna indica</i> L. var. <i>flava</i> Roxb.. <i>International Journal of Phytoremediation</i> , 2017, 19, 46-55.	1.7	8
36	Optimization of culturing conditions for isolated <i>Arthrobacter</i> sp. ZXY-2, an effective atrazine-degrading and salt-adaptive bacterium. <i>RSC Advances</i> , 2017, 7, 33177-33184.	1.7	11

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37	Magnetic Nanoscale Zerovalent Iron Assisted Biochar: Interfacial Chemical Behaviors and Heavy Metals Remediation Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9673-9682.	3.2	176
38	Evaluation of bioaugmentation using multiple life cycle assessment approaches: A case study of constructed wetland. <i>Bioresource Technology</i> , 2017, 244, 407-415.	4.8	18
39	Arbuscular mycorrhizal fungus modulates the phytotoxicity of Cd via combined responses of enzymes, thiolic compounds, and essential elements in the roots of <i>Phragmites australis</i> . <i>Chemosphere</i> , 2017, 187, 221-229.	4.2	35
40	Effects of arbuscular mycorrhizal fungi inoculation on carbon and nitrogen distribution and grain yield and nutritional quality in rice ( <i>Oryza sativa</i> L.). <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2919-2925.	1.7	39
41	<i>Pseudomonas</i> sp. ZXY-1, a newly isolated and highly efficient atrazine-degrading bacterium, and optimization of biodegradation using response surface methodology. <i>Journal of Environmental Sciences</i> , 2017, 54, 152-159.	3.2	45
42	Effects of arbuscular mycorrhizal fungi on CH <sub>4</sub> emissions from rice paddies. <i>International Journal of Phytoremediation</i> , 2017, 19, 39-45.	1.7	6
43	Degradation of atrazine from the riparian zone with a PEC system based on an anode of Na <sup>+</sup> /TiO <sub>2</sub> nanocrystal-modified TiO <sub>2</sub> nanotubes and an activated carbon photocathode. <i>RSC Advances</i> , 2016, 6, 89994-90001.	1.7	5
44	Arbuscular mycorrhiza improved phosphorus efficiency in paddy fields. <i>Ecological Engineering</i> , 2016, 95, 64-72.	1.6	24
45	Reducing nitrogen runoff from paddy fields with arbuscular mycorrhizal fungi under different fertilizer regimes. <i>Journal of Environmental Sciences</i> , 2016, 46, 92-100.	3.2	19
46	The effect of <i>Funnelliformis mosseae</i> inoculation on the phytoremediation of atrazine by the aquatic plant <i>Canna indica</i> L. var. <i>flava</i> Roxb.. <i>RSC Advances</i> , 2016, 6, 22538-22549.	1.7	11
47	Microbial population dynamics in response to bioaugmentation in a constructed wetland system under 10A°C. <i>Bioresource Technology</i> , 2016, 205, 166-173.	4.8	95
48	Assessment of water quality in Little Vermillion River watershed using principal component and nearest neighbor analyses. <i>Water Science and Technology: Water Supply</i> , 2015, 15, 327-338.	1.0	3
49	Response of Arbuscular Mycorrhizal Fungi to Hydrologic Gradients in the Rhizosphere of <i>Phragmites australis</i> (Cav.) Trin ex. Steudel Growing in the Sun Island Wetland. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	7
50	Can arbuscular mycorrhiza and fertilizer management reduce phosphorus runoff from paddy fields?. <i>Journal of Environmental Sciences</i> , 2015, 33, 211-218.	3.2	18
51	Is resource allocation and grain yield of rice altered by inoculation with arbuscular mycorrhizal fungi?. <i>Journal of Plant Ecology</i> , 2015, 8, 436-448.	1.2	38
52	Effects of Arbuscular Mycorrhizal Fungi on N <sub>2</sub> O Emissions from Rice Paddies. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	24
53	Characterization of the Microbial Community in the Rhizosphere of <i>Phragmites australis</i> (Cav.) Trin ex. Steudel Growing in the Sun Island Wetland. <i>Water Environment Research</i> , 2014, 86, 258-268.	1.3	6
54	Seedling performance of <i>Phragmites australis</i> (Cav.) Trin ex. Steudel in the presence of arbuscular mycorrhizal fungi. <i>Journal of Applied Microbiology</i> , 2014, 116, 1593-1606.	1.4	19

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55	Biofloculants from isolated strain or mixed culture: Role of phosphate salts and Ca <sup>2+</sup> ions. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 527-532.	2.7	12
56	Sulfate reduction and denitrifying sulfide removal as a natural remediation process in an inland river. Ecological Engineering, 2014, 71, 605-609.	1.6	8
57	Tracking composition of microbial communities for simultaneous nitrification and denitrification in polyurethane foam. Water Science and Technology, 2014, 69, 1788-1797.	1.2	9
58	Effects of Arbuscular mycorrhizal fungi (AMF) on the growth of wheat. Acta Ecologica Sinica, 2014, 34, .	0.0	0
59	Cloning, annotation and expression analysis of mycoparasitism-related genes in <i>Trichoderma harzianum</i> 88. Journal of Microbiology, 2013, 51, 174-182.	1.3	9
60	Biofloculants from hydrolysates of corn stover using isolated strain <i>Ochrobactium ciceri</i> W2. Bioresource Technology, 2013, 145, 259-263.	4.8	58
61	Effects of vegetative-periodic-induced rhizosphere variation on the uptake and translocation of metals in <i>Phragmites australis</i> (Cav.) Trin ex. Steudel growing in the Sun Island Wetland. Ecotoxicology, 2013, 22, 608-618.	1.1	18
62	Multicausal Analysis on Water Deterioration Processes Present in a Drinking Water Treatment System. Water Environment Research, 2013, 85, 232-238.	1.3	3
63	Research Progress of River Water Quality Simulation. Advanced Materials Research, 2012, 610-613, 894-899.	0.3	0
64	Dynamic changes of the ecological environment quality in a river basin: a case study of the main stream of Songhua river basin. Water Science and Technology, 2011, 64, 1920-1925.	1.2	1
65	Application of bioaugmentation in the rapid start-up and stable operation of biological processes for municipal wastewater treatment at low temperatures. Bioresource Technology, 2010, 101, 6622-6629.	4.8	43
66	Effect of Aridification on the Replacement of Zonic Species, <i>Stipa baicalensis</i> Roshev., by Azonic Species, <i>Leymus chinensis</i> Tzvel., in the Steppe of China. Bulletin of Environmental Contamination and Toxicology, 2009, 83, 548-552.	1.3	7
67	Start-up of a two-stage bioaugmented anoxic-oxic (A/O) biofilm process treating petrochemical wastewater under different DO concentrations. Bioresource Technology, 2009, 100, 3483-3488.	4.8	41
68	Biodegradation of the low concentration of polycyclic aromatic hydrocarbons in soil by microbial consortium during incubation. Journal of Hazardous Materials, 2009, 172, 601-605.	6.5	71
69	Bioaugmentation as a tool to accelerate the start-up of anoxic-oxic process in a full-scale municipal wastewater treatment plant at low temperature. International Journal of Environment and Pollution, 2009, 37, 205.	0.2	5
70	Application of Life Cycle Assessment in Agricultural Circular Economy. Applied Mechanics and Materials, 0, 260-261, 1086-1091.	0.2	5
71	Reduction Efficacy of Activated Sludge by Electrochemical Oxidation. Advanced Materials Research, 0, 610-613, 2255-2258.	0.3	1
72	Phenotypic plasticity in rice: responses to fertilization and inoculation with arbuscular mycorrhizal fungi. Journal of Plant Ecology, 0, , rtv031.	1.2	8