Le Yue

List of Publications by Year
in descending order

42 papers	1,567 citations	257450 24 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	1182 citing authors

#	Article	IF	Citations
1	Nano-enabled improvements of growth and nutritional quality in food plants driven by rhizosphere processes. Environment International, 2020, 142, 105831.	10.0	106
2	The effect of biochar nanoparticles on rice plant growth and the uptake of heavy metals: Implications for agronomic benefits and potential risk. Science of the Total Environment, 2019, 656, 9-18.	8.0	99
3	Algae response to engineered nanoparticles: current understanding, mechanisms and implications. Environmental Science: Nano, 2019, 6, 1026-1042.	4.3	96
4	The effect of biochar amendment on N-cycling genes in soils: A meta-analysis. Science of the Total Environment, 2019, 696, 133984.	8.0	85
5	Carotenoid and superoxide dismutase are the most effective antioxidants participating in ROS scavenging in phenanthrene accumulated wheat leaf. Chemosphere, 2018, 197, 513-525.	8.2	83
6	CeO₂ Nanoparticles Regulate the Propagation of Antibiotic Resistance Genes by Altering Cellular Contact and Plasmid Transfer. Environmental Science & Technology, 2020, 54, 10012-10021.	10.0	73
7	Nitrogen-Doped Carbon Dots Increased Light Conversion and Electron Supply to Improve the Corn Photosystem and Yield. Environmental Science & Technology, 2021, 55, 12317-12325.	10.0	67
8	Elemental Sulfur Nanoparticles Enhance Disease Resistance in Tomatoes. ACS Nano, 2021, 15, 11817-11827.	14.6	60
9	Phenanthrene-triggered Chlorosis is caused by elevated Chlorophyll degradation and leaf moisture. Environmental Pollution, 2017, 220, 1311-1321.	7.5	56
10	Foliar Application with Iron Oxide Nanomaterials Stimulate Nitrogen Fixation, Yield, and Nutritional Quality of Soybean. ACS Nano, 2022, 16, 1170-1181.	14.6	56
11	Molecular mechanisms of maize seedling response to La₂O₃ NP exposure: water uptake, aquaporin gene expression and signal transduction. Environmental Science: Nano, 2017, 4, 843-855.	4.3	51
12	Apoplastic and symplastic uptake of phenanthrene in wheat roots. Environmental Pollution, 2018, 233, 331-339.	7.5	51
13	Uptake, Transport, and Transformation of CeO₂ Nanoparticles by Strawberry and Their Impact on the Rhizosphere Bacterial Community. ACS Sustainable Chemistry and Engineering, 2020, 8, 4792-4800.	6.7	42
14	Interaction of CuO nanoparticles with duckweed (Lemna minor. L): Uptake, distribution and ROS production sites. Environmental Pollution, 2018, 243, 543-552.	7.5	41
15	Photosynthetic response mechanisms in typical C3 and C4 plants upon La₂O₃ nanoparticle exposure. Environmental Science: Nano, 2020, 7, 81-92.	4.3	39
16	Cytoplasmic pH-Stat during Phenanthrene Uptake by Wheat Roots: A Mechanistic Consideration. Environmental Science & Technology, 2015, 49, 6037-6044.	10.0	38
17	Metallic oxide nanomaterials act as antioxidant nanozymes in higher plants: Trends, meta-analysis, and prospect. Science of the Total Environment, 2021, 780, 146578.	8.0	38
18	Foliar carbon dot amendment modulates carbohydrate metabolism, rhizospheric properties and drought tolerance in maize seedling. Science of the Total Environment, 2022, 809, 151105.	8.0	38

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19	Early development of apoplastic barriers and molecular mechanisms in juvenile maize roots in response to La2O3 nanoparticles. Science of the Total Environment, 2019, 653, 675-683.	8.0	36
20	CuO nanoparticles doping recovered the photocatalytic antialgal activity of graphitic carbon nitride. Journal of Hazardous Materials, 2021, 403, 123621.	12.4	35
21	Foliar-applied cerium oxide nanomaterials improve maize yield under salinity stress: Reactive oxygen species homeostasis and rhizobacteria regulation. Environmental Pollution, 2022, 299, 118900.	7.5	35
22	Response of uptake and translocation of phenanthrene to nitrogen form in lettuce and wheat seedlings. Environmental Science and Pollution Research, 2015, 22, 6280-6287.	5.3	33
23	Nanosilicon enhances maize resistance against oriental armyworm (Mythimna separata) by activating the biosynthesis of chemical defenses. Science of the Total Environment, 2021, 778, 146378.	8.0	28
24	Proteomic analysis of plasma membrane proteins in wheat roots exposed to phenanthrene. Environmental Science and Pollution Research, 2016, 23, 10863-10871.	5.3	27
25	Multiomics understanding of improved quality in cherry radish (Raphanus sativus L. var. radculus) Tj ETQq1 1 0.784314 rgBT /Overloc 153712.	8.0	27
26	Processes and mechanisms of photosynthesis augmented by engineered nanomaterials. Environmental Chemistry, 2019, 16, 430.	1.5	26
27	Molecular Mechanisms of Early Flowering in Tomatoes Induced by Manganese Ferrite (MnFe₂O₄) Nanomaterials. ACS Nano, 2022, 16, 5636-5646.	14.6	26
28	The molecular mechanisms of silica nanomaterials enhancing the rice (Oryza sativa L.) resistance to planthoppers (Nilaparvata lugens Stal). Science of the Total Environment, 2021, 767, 144967.	8.0	23
29	Downregulation of the photosynthetic machinery and carbon storage signaling pathways mediate La2O3 nanoparticle toxicity on radish taproot formation. Journal of Hazardous Materials, 2021, 411, 124971.	12.4	23
30	Copper nanoclusters promote tomato (Solanum lycopersicum L.) yield and quality through improving photosynthesis and roots growth. Environmental Pollution, 2021, 289, 117912.	7.5	19
31	Phenanthrene-responsive microRNAs and their targets in wheat roots. Chemosphere, 2017, 186, 588-598.	8.2	18
32	Mechanisms of growth-promotion and Se-enrichment in<i>Brassica chinensis</i>L. by selenium nanomaterials: beneficial rhizosphere microorganisms, nutrient availability, and photosynthesis. Environmental Science: Nano, 2022, 9, 302-312.	4.3	18
33	Cell Walls Are Remodeled to Alleviate nY₂O₃ Cytotoxicity by Elaborate Regulation of <i>de Novo</i> Synthesis and Vesicular Transport. ACS Nano, 2021, 15, 13166-13177.	14.6	13
34	Nitrogen-doped carbon dots alleviate the damage from tomato bacterial wilt syndrome: systemic acquired resistance activation and reactive oxygen species scavenging. Environmental Science: Nano, 2021, 8, 3806-3819.	4.3	12
35	Dose-dependent effects of CeO₂ nanomaterials on tomato plant chemistry and insect herbivore resistance. Environmental Science: Nano, 2021, 8, 3577-3589.	4.3	10
36	Selenium content and nutritional quality of Brassica chinensis L enhanced by selenium engineered nanomaterials: The role of surface charge. Environmental Pollution, 2022, 308, 119582.	7.5	9

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37	Phosphate induced surface transformation alleviated the cytotoxicity of Y2O3 nanoparticles to tobacco BY-2 cells. Science of the Total Environment, 2020, 732, 139276.	8.0	8
38	Nanomaterial-induced modulation of hormonal pathways enhances plant cell growth. Environmental Science: Nano, 2022, 9, 1578-1590.	4.3	8
39	Fluorescent g-C3N4 nanosheets enhanced photosynthetic efficiency in maize. NanoImpact, 2021, 24, 100363.	4.5	7
40	Triiron Tetrairon Phosphate (Fe7(PO4)6) Nanomaterials Enhanced Flavonoid Accumulation in Tomato Fruits. Nanomaterials, 2022, 12, 1341.	4.1	5
41	Silica nanomaterials and earthworms synergistically regulate maize root metabolite profiles <i>via</i> promoting soil Si bioavailability. Environmental Science: Nano, 2021, 8, 3865-3878.	4.3	2
42	Nano-TiO₂ retarded fetal development by inhibiting transplacental transfer of thyroid hormones in rat. Environmental Science: Nano, 0, , .	4.3	0