

Feiran Chen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

782
citations

567281

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h-index

642732

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24
all docs

24
docs citations

24
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolism of Ibuprofen by <i>Phragmites australis</i> : Uptake and Phytodegradation. Environmental Science & Technology, 2017, 51, 4576-4584.	10.0	149
2	Algae response to engineered nanoparticles: current understanding, mechanisms and implications. Environmental Science: Nano, 2019, 6, 1026-1042.	4.3	96
3	CeO ₂ 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
4	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
5	Uptake, Transport, and Transformation of CeO ₂ Nanoparticles by Strawberry and Their Impact on the Rhizosphere Bacterial Community. ACS Sustainable Chemistry and Engineering, 2020, 8, 4792-4800.	6.7	42
6	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
7	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
8	Early development of apoplastic barriers and molecular mechanisms in juvenile maize roots in response to La ₂ O ₃ nanoparticles. Science of the Total Environment, 2019, 653, 675-683.	8.0	36
9	Nanosilicon enhances maize resistance against oriental armyworm (<i>Mythimna separata</i>) by activating the biosynthesis of chemical defenses. Science of the Total Environment, 2021, 778, 146378.	8.0	28
10	A key moment for TiO ₂ : Prenatal exposure to TiO ₂ nanoparticles may inhibit the development of offspring. Ecotoxicology and Environmental Safety, 2020, 202, 110911.	6.0	27
11	Multiomics understanding of improved quality in cherry radish (<i>Raphanus sativus</i> L. var. radculus) Tj ETQq1 1 0.784314 rgBT /Overloc 153712.	8.0	27
12	Molecular Mechanisms of Early Flowering in Tomatoes Induced by Manganese Ferrite (MnFe ₂ O ₄) Nanomaterials. ACS Nano, 2022, 16, 5636-5646.	14.6	26
13	The molecular mechanisms of silica nanomaterials enhancing the rice (<i>Oryza sativa</i> L.) resistance to planthoppers (<i>Nilaparvata lugens</i> Stal). Science of the Total Environment, 2021, 767, 144967.	8.0	23
14	Downregulation of the photosynthetic machinery and carbon storage signaling pathways mediate La ₂ O ₃ nanoparticle toxicity on radish taproot formation. Journal of Hazardous Materials, 2021, 411, 124971.	12.4	23
15	New insight into the mechanism of graphene oxide-enhanced phytotoxicity of arsenic species. Journal of Hazardous Materials, 2021, 410, 124959.	12.4	18
16	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
17	Cell Walls Are Remodeled to Alleviate nY ₂ O ₃ Cytotoxicity by Elaborate Regulation of <i>de Novo</i> Synthesis and Vesicular Transport. ACS Nano, 2021, 15, 13166-13177.	14.6	13
18	Dose-dependent effects of CeO ₂ nanomaterials on tomato plant chemistry and insect herbivore resistance. Environmental Science: Nano, 2021, 8, 3577-3589.	4.3	10

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19	Phosphate induced surface transformation alleviated the cytotoxicity of Y2O3 nanoparticles to tobacco BY-2 cells. <i>Science of the Total Environment</i> , 2020, 732, 139276.	8.0	8
20	Nanomaterial-induced modulation of hormonal pathways enhances plant cell growth. <i>Environmental Science: Nano</i> , 2022, 9, 1578-1590.	4.3	8
21	Fluorescent g-C3N4 nanosheets enhanced photosynthetic efficiency in maize. <i>NanoImpact</i> , 2021, 24, 100363.	4.5	7
22	Triiron Tetrairon Phosphate (Fe ₇ (PO ₄) ₆) Nanomaterials Enhanced Flavonoid Accumulation in Tomato Fruits. <i>Nanomaterials</i> , 2022, 12, 1341.	4.1	5
23	Silica nanomaterials and earthworms synergistically regulate maize root metabolite profiles <i>via</i> promoting soil Si bioavailability. <i>Environmental Science: Nano</i> , 2021, 8, 3865-3878.	4.3	2
24	Nano-TiO ₂ retarded fetal development by inhibiting transplacental transfer of thyroid hormones in rat. <i>Environmental Science: Nano</i> , 0, , .	4.3	0