

# CITATION REPORT

List of articles citing

Application of TiO nanoparticles to reduce bioaccumulation of arsenic in rice seedlings (*Oryza sativa* L.): A mechanistic study

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Journal of Hazardous Materials, 2021, 405, 124047.

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
46	<i>Oryza sativa</i> as a tool for assessing arsenic efficacy of arsenic remediation of agricultural soils by sulfidated zerovalent iron nanoparticles. <i>IEEE Transactions on Nanobioscience</i> , <b>2021</b> , PP,	3.4	
45	Comparative nanometallomics as a new tool for nanosafety evaluation. <i>Metalomics</i> , <b>2021</b> , 13,	4.5	2
44	Inorganic arsenic toxicity and alleviation strategies in rice. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 408, 124751	12.8	30
43	Fate and Behaviour of TiO <sub>2</sub> Nanoparticles in the Soil: Their Impact on Staple Food Crops. <i>Water, Air, and Soil Pollution</i> , <b>2021</b> , 232, 1	2.6	2
42	Assessment of TiO <sub>2</sub> Nanoparticles on Maize Seedlings and Terrestrial Isopods Under Greenhouse Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , <b>2021</b> , 21, 2214-2228	3.2	3
41	Arsenic Remediation through Sustainable Phytoremediation Approaches. <i>Minerals (Basel, Switzerland)</i> , <b>2021</b> , 11, 936	2.4	5
40	Effect of green and chemically synthesized titanium dioxide nanoparticles on cadmium accumulation in wheat grains and potential dietary health risk: A field investigation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 415, 125585	12.8	11
39	Effects of nanoparticles on trace element uptake and toxicity in plants: A review. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 221, 112437	7	14
38	MicroRNAs and Their Exploration for Developing Heavy Metal-tolerant Plants. <i>Journal of Plant Growth Regulation</i> , 1	4.7	2
37	Omics approaches for understanding heavy metal responses and tolerance in plants. <i>Current Plant Biology</i> , <b>2021</b> , 27, 100213	3.3	16
36	Sustainable solutions to arsenic accumulation in rice grown in south and south-east Asia. <i>Crop and Pasture Science</i> , <b>2021</b> ,	2.2	5
35	Recent trend in nanoparticle research in regulating arsenic bioaccumulation and mitigating arsenic toxicity in plant species. <i>Journal of Plant Biochemistry and Biotechnology</i> , 1	1.6	1
34	Antioxidants as modulators of arsenic-induced oxidative stress tolerance in plants: An overview. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 127891	12.8	5
33	Antioxidant enzymes and transporter genes mediate arsenic stress reduction in rice ( <i>Oryza sativa</i> L.) upon thiourea supplementation.. <i>Chemosphere</i> , <b>2021</b> , 292, 133482	8.4	2
32	Microplastic Pollution: An Emerging Threat to Terrestrial Plants and Insights into Its Remediation Strategies.. <i>Plants</i> , <b>2022</b> , 11,	4.5	4
31	As Uptake from Nanostructured Iron Oxides and Oxyhydroxides: The Complex Interplay between Sorbent Surface Chemistry and Arsenic Equilibria.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
30	Nanoparticles as a potential protective agent for arsenic toxicity alleviation in plants.. <i>Environmental Pollution</i> , <b>2022</b> , 118887	9.3	5

29	Nanotechnology in the Restoration of Polluted Soil.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	6
28	Impact of Three Copper Amendments on Arsenic Accumulation and Speciation in Rice ( <i>Oryza sativa</i> L.) in a Life Cycle Study. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	1
27	Arsenic stress in Rice ( <i>Oryza sativa</i> ) and its amelioration approaches. <i>Plant Stress</i> , <b>2022</b> , 4, 100076		3
26	Arsenate and arsenite differential toxicity in <i>Tetrahymena thermophila</i> .. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 431, 128532	12.8	0
25	Attenuation mechanisms of arsenic induced toxicity and its accumulation in plants by engineered nanoparticles: A review.. <i>Environmental Pollution</i> , <b>2022</b> , 119038	9.3	2
24	CdSe cluster-modified biogenic FeOOH based on macroporous biochar for Fenton-like reaction of As(III). <i>Applied Surface Science</i> , <b>2022</b> , 589, 152872	6.7	0
23	Titanium dioxide nanoparticles (TiO <sub>2</sub> -NPs) enhance drought tolerance and grain yield of sweet corn ( <i>Zea mays</i> L.) under deficit irrigation regimes. <i>Acta Physiologiae Plantarum</i> , <b>2022</b> , 44, 1	2.6	3
22	Phytonanotechnology applications in modern agriculture.. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 430	9.4	7
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18	Arsenic Accumulation in Rice: Sources, Human Health Impact and Probable Mitigation Approaches. <i>Rice Science</i> , <b>2022</b> , 29, 309-327	3.8	2
17	Responses of plants to metallic nanoparticles under coexposure to metals and metalloids. <b>2022</b> , 299-316		
16	Soil Respiration of Paddy Soils Were Stimulated by Semiconductor Minerals. <i>Frontiers in Plant Science</i> , 13,	6.2	0
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14	Cd stress alleviation in mung-bean seedlings with biogenic hydroxyapatite nanoparticles as ecofriendly remediation agents.		
13	Nutrient and Non-Nutrient Factors Associated with the Arsenic Uptake and Buildup in Rice: a Review.		
12	A review of the influence of nanoparticles on the physiological and biochemical attributes of plants with a focus on the absorption and translocation of toxic trace elements. <b>2022</b> , 310, 119916		1

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- 10 Arsenic Contamination in Rice Agro-ecosystems: Mitigation Strategies for Safer Crop Production. 1
- 9 Modern Aspects of Phytoremediation of Arsenic-Contaminated Soils. **2023**, 433-457 ○
- 8 Application of Nanotechnology in Mitigating Arsenic Stress and Accumulation in Crops: Where We Are and Where We Are Moving Towards. **2023**, 247-270 ○
- 7 Nanoplastic-plant interaction and implications for soil health. ○
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- 5 Heavy metal stress alleviation in plants by ZnO and TiO<sub>2</sub> nanoparticles. **2023**, 347-365 ○
- 4 Metabolomics and transcriptomics reveal the toxic mechanism of Cd and nano TiO<sub>2</sub> coexposure on rice (*Oryza sativa* L.). **2023**, 453, 131411 ○
- 3 Potential Effects of Metal Oxides on Agricultural Production of Rice: A Mini Review. **2023**, 12, 778 ○
- 2 Insight into the biochemical and physiological mechanisms of nanoparticles-induced arsenic tolerance in bamboo. 14, ○
- 1 Crop growth on metal-contaminated soils using nanotechnology. **2023**, 277-303 ○