

# Zahra Souri

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

807  
citations

933447

10  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acquiring control: The evolution of ROS-Induced oxidative stress and redox signaling pathways in plant stress responses. <i>Plant Physiology and Biochemistry</i> , 2019, 141, 353-369.	5.8	246
2	Silicon and Plants: Current Knowledge and Future Prospects. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 906-925.	5.1	113
3	Arsenic Hyperaccumulation Strategies: An Overview. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 67.	3.7	91
4	Salicylic acid nanoparticles (SANPs) improve growth and phytoremediation efficiency of <i>Isatis cappadocica</i> Desv., under As stress. <i>IET Nanobiotechnology</i> , 2017, 11, 650-655.	3.8	70
5	Nitric oxide improves tolerance to arsenic stress in <i>Isatis cappadocica</i> Desv. Shoots by enhancing antioxidant defenses. <i>Chemosphere</i> , 2020, 239, 124523.	8.2	66
6	Antioxidant enzymes responses in shoots of arsenic hyperaccumulator, <i>Isatis cappadocica</i> Desv., under interaction of arsenate and phosphate. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1316-1327.	2.2	59
7	Effect of Phosphorus on Arsenic Accumulation and Detoxification in Arsenic Hyperaccumulator, <i>Isatis cappadocica</i> . <i>Journal of Plant Growth Regulation</i> , 2015, 34, 88-95.	5.1	34
8	Antioxidant enzymes and compounds complement each other during arsenic detoxification in shoots of <i>Isatis cappadocica</i> Desv.. <i>Chemistry and Ecology</i> , 2016, 32, 937-951.	1.6	20
9	Elucidating the physiological mechanisms underlying enhanced arsenic hyperaccumulation by glutathione modified superparamagnetic iron oxide nanoparticles in <i>Isatis cappadocica</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111336.	6.0	20
10	Enhanced Phytoextraction by As Hyperaccumulator <i>Isatis cappadocica</i> Spiked with Sodium Nitroprusside. <i>Soil and Sediment Contamination</i> , 2017, 26, 457-468.	1.9	18
11	The effect of NADPH oxidase inhibitor diphenyleneiodonium (DPI) and glutathione (GSH) on <i>Isatis cappadocica</i> , under Arsenic (As) toxicity. <i>International Journal of Phytoremediation</i> , 2021, 23, 945-957.	3.1	12
12	Multiple effects of silicon on alleviation of arsenic and cadmium toxicity in hyperaccumulator <i>Isatis cappadocica</i> Desv.. <i>Plant Physiology and Biochemistry</i> , 2021, 168, 177-187.	5.8	10
13	The role of selenium on mitigating arsenic accumulation, enhancing growth and antioxidant responses in metalicolous and non-metallicolous population of <i>Isatis cappadocica</i> Desv. and <i>Brassica oleracea</i> L. <i>Environmental Science and Pollution Research</i> , 2019, 26, 21704-21716.	5.3	7
14	Phytohormonal signaling under abiotic stress. , 2020, , 397-466.		5
15	Improved physiological defense responses by application of sodium nitroprusside in <i>Isatis cappadocica</i> Desv. under cadmium stress. <i>Physiologia Plantarum</i> , 2021, 173, 100-115.	5.2	4
16	Exogenous supplementation of Sulfur (S) and Reduced Glutathione (GSH) Alleviates Arsenic Toxicity in Shoots of <i>Isatis cappadocica</i> Desv and <i>Erysimum allionii</i> L. <i>Environmental Science and Pollution Research</i> , 2022, 29, 64205-64214.	5.3	4