Navin Kumar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8320849/publications.pdf

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		687220	713332
24	781	13	21
papers	citations	h-index	g-index

25	25	25	910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluoride distribution and contamination in the water, soil and plants continuum and its remedial technologies, an Indian perspectiveâ€“ a review. Environmental Pollution, 2018, 239, 95-108.	3.7	170
2	A protective role for nitric oxide and salicylic acid for arsenite phytotoxicity in rice (Oryza sativa L.). Plant Physiology and Biochemistry, 2017, 115, 163-173.	2.8	118
3	Metabolomics and Molecular Approaches Reveal Drought Stress Tolerance in Plants. International Journal of Molecular Sciences, 2021, 22, 9108.	1.8	89
4	GABA mediated reduction of arsenite toxicity in rice seedling through modulation of fatty acids, stress responsive amino acids and polyamines biosynthesis. Ecotoxicology and Environmental Safety, 2019, 173, 15-27.	2.9	62
5	Augmentation of arsenic enhances lipid yield and defense responses in alga Nannochloropsis sp.. Bioresource Technology, 2016, 221, 430-437.	4.8	60
6	Co-application of selenite and phosphate reduces arsenite uptake in hydroponically grown rice seedlings: Toxicity and defence mechanism. Ecotoxicology and Environmental Safety, 2013, 91, 171-179.	2.9	49
7	Over-expression of CarMT gene modulates the physiological performance and antioxidant defense system to provide tolerance against drought stress in Arabidopsis thaliana L. Ecotoxicology and Environmental Safety, 2019, 171, 54-65.	2.9	39
8	GABA accretion reduces Lsi-1 and Lsi-2 gene expressions and modulates physiological responses in Oryza sativa to provide tolerance towards arsenic. Scientific Reports, 2017, 7, 8786.	1.6	31
9	Response of two rice cultivars differing in their sensitivity towards arsenic, differs in their expression of glutaredoxin and glutathione S transferase genes and antioxidant usage. Ecotoxicology and Environmental Safety, 2016, 124, 393-405.	2.9	25
10	Application of glycine reduces arsenic accumulation and toxicity in Oryza sativa L. by reducing the expression of silicon transporter genes. Ecotoxicology and Environmental Safety, 2018, 148, 410-417.	2.9	24
11	Role of sulfate in detoxification of arsenate-induced toxicity inZea maysL. (SRHM 445): nutrient status and antioxidants. Journal of Plant Interactions, 2013, 8, 140-154.	1.0	19
12	Sucrose plays key role in amelioration of arsenic induced phytotoxicity through modulating phosphate and silicon transporters, physiological and biochemical responses in C3 (Oryza sativa L.) and C4 (Zea mays L.). Environmental and Experimental Botany, 2020, 171, 103930.	2.0	15
13	Selenite supplementation reduces arsenate uptake greater than phosphate but compromises the phosphate level and physiological performance in hydroponically grown Oryza sativa L.. Environmental Toxicology and Chemistry, 2016, 35, 163-172.	2.2	13
14	Diminution of arsenic accumulation in rice seedlings co-cultured with Anabaena sp.: Modulation in the expression of lower silicon transporters, two nitrogen dependent genes and lowering of antioxidants activity. Ecotoxicology and Environmental Safety, 2018, 151, 109-117.	2.9	13
15	Excessive fluoride in groundwater of Central Ganga Alluvial Plain: a case study of Fatehpur, North India. International Journal of Environmental Science and Technology, 2019, 16, 7791-7798.	1.8	11
16	Impact on endangered Gangetic dolphins due to construction of waterways on the riverÂGanga, India: an overview. Environmental Sustainability, 2020, 3, 123-138.	1.4	10
17	H2O2 pretreated rice seedlings specifically reduces arsenate not arsenite: difference in nutrient uptake and antioxidant defense response in a contrasting pair of rice cultivars. Physiology and Molecular Biology of Plants, 2014, 20, 435-447.	1.4	8
18	Ameliorative Mechanisms of Polyamines Against Abiotic Stress in the Rice Plants. , 2019, , 725-735.		8

#	Article	IF	Citations
19	Over-expression of chickpea metallothionein 1 gene confers tolerance against major toxic heavy metal stress in Arabidopsis. Physiology and Molecular Biology of Plants, 2021, 27, 2665-2678.	1.4	7
20	Chlorella sp. modulates the glutathione mediated detoxification and S-adenosylmethionine dependent methyltransferase to counter arsenic toxicity in Oryza sativa L.. Ecotoxicology and Environmental Safety, 2021, 208, 111418.	2.9	5
21	Comparative Assessment of PAHs Reduction in Soil by Growing Zea mays L. Augmented with Microbial Consortia and Fertilizer: Modulation in Uptake and Antioxidant Defense Response. Polycyclic Aromatic Compounds, 2021, 41, 1694-1711.	1.4	2
22	Polyamines metabolism and NO signaling in plants. , 2022, , 345-372.		2
23	Targets of NO in plastids. , 2022, , 331-344.		0
24	Climate Change-Induced Heavy Metal (or Metalloid) Stress in Crop Plants and Possible Mitigation Strategies. , 2020, , 293-326.		0