

# Pradyumna Kumar Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

831  
citations

759233

12  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfur mediated reduction of arsenic toxicity involves efficient thiol metabolism and the antioxidant defense system in rice. <i>Journal of Hazardous Materials</i> , 2015, 298, 241-251.	12.4	173
2	A protective role for nitric oxide and salicylic acid for arsenite phytotoxicity in rice ( <i>Oryza sativa</i> L.). <i>Plant Physiology and Biochemistry</i> , 2017, 115, 163-173.	5.8	118
3	Selenium ameliorates arsenic induced oxidative stress through modulation of antioxidant enzymes and thiols in rice ( <i>Oryza sativa</i> L.). <i>Ecotoxicology</i> , 2014, 23, 1153-1163.	2.4	102
4	Nitric oxide mediated transcriptional modulation enhances plant adaptive responses to arsenic stress. <i>Scientific Reports</i> , 2017, 7, 3592.	3.3	87
5	Arsenite Tolerance is Related to Proportional Thiolic Metabolite Synthesis in Rice ( <i>Oryza sativa</i> L.). <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 235-242.	4.1	61
6	Recent advances in arsenic metabolism in plants: current status, challenges and highlighted biotechnological intervention to reduce grain arsenic in rice. <i>Metallomics</i> , 2019, 11, 519-532.	2.4	61
7	Auxin-salicylic acid cross-talk ameliorates OsMYBâ€R1 mediated defense towards heavy metal, drought and fungal stress. <i>Journal of Hazardous Materials</i> , 2020, 399, 122811.	12.4	54
8	Root system architecture, physiological analysis and dynamic transcriptomics unravel the drought-responsive traits in rice genotypes. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111252.	6.0	39
9	Role of dehydrin-FK506-binding protein complex in enhancing drought tolerance through the ABA-mediated signaling pathway. <i>Environmental and Experimental Botany</i> , 2019, 158, 136-149.	4.2	34
10	Fly-ash augmented soil enhances heavy metal accumulation and phytotoxicity in rice ( <i>Oryza sativa</i> L.); A concern for fly-ash amendments in agriculture sector. <i>Plant Growth Regulation</i> , 2016, 78, 21-30.	3.4	29
11	Genomic and proteomic responses to drought stress and biotechnological interventions for enhanced drought tolerance in plants. <i>Current Plant Biology</i> , 2022, 29, 100239.	4.7	24
12	Drought Tolerance in Plants. , 2019, , 105-123.		19
13	Self-cleansing properties of Ganga during mass ritualistic bathing on Maha-Kumbh. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 221.	2.7	16
14	Nitric oxide-mediated alleviation of arsenic stress involving metalloids detoxification and physiological responses in rice ( <i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2022, 297, 118694.	7.5	13
15	Biomarkers of arsenic stress in plants. , 2022, , 245-270.		0