

Piyush Mathur

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4541199/publications.pdf>

Version: 2024-02-01

13
papers

222
citations

1478505

6
h-index

1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	Arbuscular Mycorrhiza: Approaches for Abiotic Stress Tolerance in Crop Plants for Sustainable Agriculture. , 2013, , 359-401.		58
2	Nanosilica facilitates silica uptake, growth and stress tolerance in plants. Plant Physiology and Biochemistry, 2020, 157, 114-127.	5.8	53
3	Insights into the plant responses to drought and decoding the potential of root associated microbiome for inducing drought tolerance. Physiologia Plantarum, 2021, 172, 1016-1029.	5.2	42
4	Delineating the mechanisms of elevated CO ₂ mediated growth, stress tolerance and phytohormonal regulation in plants. Plant Cell Reports, 2021, 40, 1345-1365.	5.6	16
5	Hydrogen sulphide (H ₂ S) in the hidden half: Role in root growth, stress signalling and rhizospheric interactions. Plant Biology, 2022, 24, 559-568.	3.8	13
6	Interactive effects of CO ₂ concentrations and <i>Alternaria brassicae</i> (Berk.) Sacc. infection on defense signalling in <i>Brassica juncea</i> (L.) Czern. & Coss.. European Journal of Plant Pathology, 2018, 151, 413-425.	1.7	10
7	Elucidating the Strategies for Isolation of Endophytic Fungi and Their Functional Attributes for the Regulation of Plant Growth and Resilience to Stress. Journal of Plant Growth Regulation, 2023, 42, 1342-1363.	5.1	8
8	Functional attributes of microbial and plant based biofungicides for the defense priming of crop plants. Theoretical and Experimental Plant Physiology, 2022, 34, 301-333.	2.4	7
9	Functional analysis of diacylglycerol O-acyl transferase 2 gene to decipher its role in virulence of <i>Botrytis cinerea</i> . Current Genetics, 2018, 64, 443-457.	1.7	6
10	Silicon and nano-silicon: New frontiers of biostimulants for plant growth and stress amelioration. , 2022, , 17-36.		5
11	Prospective Role of Melatonin in Signaling and Alleviation of Stress in Plants. Signaling and Communication in Plants, 2020, , 213-240.	0.7	2
12	Role of Nitrogen and Sulphur Fertilization for Sustaining the Growth, Physiology and Defence of <i>Brassica juncea</i> L. (Indian Mustard) Plants Exposed to Enhanced CO ₂ Concentration. Journal of Soil Science and Plant Nutrition, 0, , 1.	3.4	1
13	Deep Insights into the Role of Endophytic Fungi in Abiotic Stress Tolerance in Plants. Advances in Science, Technology and Innovation, 2022, , 331-347.	0.4	0