

Puja Ohri

List of Publications by Year in descending order

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59
papers

1,702
citations

331259

21
h-index

315357

38
g-index

64
all docs

64
docs citations

64
times ranked

1865
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing the role of selenium in soil-plant-microbe ecosystem: ecophysiological mechanisms and future prospects. <i>Plant Growth Regulation</i> , 2023, 100, 197-217.	1.8	4
2	Unsnarling Plausible Role of Plant Growth-Promoting Rhizobacteria for Mitigating Cd-Toxicity from Plants: An Environmental Safety Aspect. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2514-2542.	2.8	13
3	Bioefficacy of Bio-metabolites Produced by <i>Streptomyces</i> sp. Strain MR-14 in Ameliorating <i>Meloidogyne incognita</i> Stress in <i>Solanum lycopersicum</i> Seedlings. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 3359-3371.	2.8	3
4	Regulation of plant defense against biotic stressors by brassinosteroids. , 2022, , 255-272.		1
5	Agroecotoxicological Aspect of Cd in Soil-Plant System: Uptake, Translocation and Amelioration Strategies. <i>Environmental Science and Pollution Research</i> , 2022, 29, 30908-30934.	2.7	24
6	Combined effects of vermicompost and vermicompost leachate on the early growth of <i>Meloidogyne incognita</i> -stressed <i>Withania somnifera</i> (L.) Dunal. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51686-51702.	2.7	3
7	Potential of vermicompost extract in enhancing the biomass and bioactive components along with mitigation of <i>Meloidogyne incognita</i> -induced stress in tomato. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56023-56036.	2.7	13
8	Arsenic as hazardous pollutant: Perspectives on engineering remediation tools. <i>Science of the Total Environment</i> , 2022, 838, 155870.	3.9	17
9	Effects of Vermicompost and Vermicompost Leachate on the Biochemical and Physiological Response of <i>Withania somnifera</i> (L.) Dunal. <i>Journal of Soil Science and Plant Nutrition</i> , 2022, 22, 3228-3242.	1.7	5
10	Herbal immune-boosters: Substantial warriors of pandemic Covid-19 battle. <i>Phytomedicine</i> , 2021, 85, 153361.	2.3	106
11	Antioxidant Potential of Plant Growth-Promoting Rhizobacteria (PGPR) in Agricultural Crops Infected with Root-Knot Nematodes. , 2021, , 339-379.		4
12	Brassinosteroid Signaling, Crosstalk and, Physiological Functions in Plants Under Heavy Metal Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 608061.	1.7	70
13	Plants-nematodes-microbes crosstalk within soil: A trade-off among friends or foes. <i>Microbiological Research</i> , 2021, 248, 126755.	2.5	21
14	Hydrogen Sulfide: A Robust Combatant against Abiotic Stresses in Plants. <i>Hydrogen</i> , 2021, 2, 319-342.	1.7	13
15	Genetic toolbox and regulatory circuits of plant-nematode associations. <i>Plant Physiology and Biochemistry</i> , 2021, 165, 137-146.	2.8	2
16	Enthralling the impact of engineered nanoparticles on soil microbiome: A concentric approach towards environmental risks and cogitation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112459.	2.9	42
17	Multiple Facets of Plant-Microbiome Associations in Unlocking the Communication Paradigm through Extracellular Vesicles. s. <i>Current Protein and Peptide Science</i> , 2021, 22, .	0.7	0
18	Seed Priming with Jasmonic Acid Counteracts Root Knot Nematode Infection in Tomato by Modulating the Activity and Expression of Antioxidative Enzymes. <i>Biomolecules</i> , 2020, 10, 98.	1.8	26

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19	Histochemical and physicochemical studies reveal improved defense in tomato under Cd stress with rhizobacterial supplementation. <i>Plant and Soil</i> , 2020, 446, 393-411.	1.8	8
20	Insights into the Role of <i>Streptomyces hydrogenans</i> as the Plant Growth Promoter, Photosynthetic Pigment Enhancer and Biocontrol Agent against <i>Meloidogyne incognita</i> in <i>Solanum lycopersicum</i> Seedlings. <i>Plants</i> , 2020, 9, 1109.	1.6	28
21	Biocontrol potential of chitinases produced by newly isolated <i>Chitinophaga</i> sp. S167. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 90.	1.7	37
22	Role of Beneficial Microbes in the Molecular Phytotoxicity of Heavy Metals. <i>Nanotechnology in the Life Sciences</i> , 2020, , 227-262.	0.4	1
23	Plant-Microbe Interactions under Adverse Environment. , 2020, , 717-751.		1
24	Microbial Fortification Improved Photosynthetic Efficiency and Secondary Metabolism in <i>Lycopersicon esculentum</i> Plants Under Cd Stress. <i>Biomolecules</i> , 2019, 9, 581.	1.8	28
25	Impact of Plant Growth Promoting Rhizobacteria in the Orchestration of <i>Lycopersicon esculentum</i> Mill. Resistance to Plant Parasitic Nematodes: A Metabolomic Approach to Evaluate Defense Responses Under Field Conditions. <i>Biomolecules</i> , 2019, 9, 676.	1.8	47
26	Evaluation of the role of Rhizobacteria in controlling root knot nematode (RKN) infection in <i>Lycopersicon esculentum</i> plants by modulation in the secondary metabolite profiles. <i>AoB PLANTS</i> , 2019, , ,	1.2	19
27	Role of plant growth promoting Bacteria (PGPRs) as biocontrol agents of <i>Meloidogyne incognita</i> through improved plant defense of <i>Lycopersicon esculentum</i> . <i>Plant and Soil</i> , 2019, 436, 325-345.	1.8	60
28	Imaging of lysosomal activity using naphthalimide-benzimidazole based fluorescent probe in living cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 451-459.	4.0	13
29	Jasmonic acid application triggers detoxification of lead (Pb) toxicity in tomato through the modifications of secondary metabolites and gene expression. <i>Chemosphere</i> , 2019, 235, 734-748.	4.2	96
30	Supplementation with plant growth promoting rhizobacteria (PGPR) alleviates cadmium toxicity in <i>Solanum lycopersicum</i> by modulating the expression of secondary metabolites. <i>Chemosphere</i> , 2019, 230, 628-639.	4.2	101
31	Role of P-type ATPase metal transporters and plant immunity induced by jasmonic acid against Lead (Pb) toxicity in tomato. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 283-294.	2.9	49
32	Emerging Trends on Crosstalk of BRS with Other Phytohormones. , 2019, , 425-441.		1
33	Metal resistant PGPR lowered Cd uptake and expression of metal transporter genes with improved growth and photosynthetic pigments in <i>Lycopersicon esculentum</i> under metal toxicity. <i>Scientific Reports</i> , 2019, 9, 5855.	1.6	163
34	A Current Scenario on Role of Brassinosteroids in Plant Defense Triggered in Response to Biotic Challenges. , 2019, , 367-388.		4
35	Aggregation tailored emission of a benzothiazole based derivative: photostable turn on bioimaging. <i>RSC Advances</i> , 2019, 9, 39970-39975.	1.7	16
36	Plant growth promoting rhizobacteria induced Cd tolerance in <i>Lycopersicon esculentum</i> through altered antioxidative defense expression. <i>Chemosphere</i> , 2019, 217, 463-474.	4.2	81

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37	Nematicidal potential of <i>Streptomyces antibioticus</i> strain M7 against <i>Meloidogyne incognita</i> . <i>AMB Express</i> , 2019, 9, 168.	1.4	24
38	Benzothiazole based Schiff-base-A mechanistically discrete sensor for HSO ₄ ⁻ and I ⁻ : Application to bioimaging and vapour phase sensing of ethyl acetate. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 29-38.	4.0	18
39	Jasmonic acid-induced tolerance to root-knot nematodes in tomato plants through altered photosynthetic and antioxidative defense mechanisms. <i>Protoplasma</i> , 2018, 255, 471-484.	1.0	47
40	Exogenously applied putrescine improves the physiological responses of tomato plant during nematode pathogenesis. <i>Scientia Horticulturae</i> , 2018, 230, 35-42.	1.7	19
41	Phytoremediation in Waste Management: Hyperaccumulation Diversity and Techniques. , 2018, , 277-302.		9
42	Role of Micro-organisms in Modulating Antioxidant Defence in Plants Exposed to Metal Toxicity. , 2018, , 303-335.		4
43	Organic cultivation of Ashwagandha with improved biomass and high content of active Withanolides: Use of Vermicompost. <i>PLoS ONE</i> , 2018, 13, e0194314.	1.1	19
44	Jasmonic acid induced changes in physio-biochemical attributes and ascorbate-glutathione pathway in <i>Lycopersicon esculentum</i> under lead stress at different growth stages. <i>Science of the Total Environment</i> , 2018, 645, 1344-1360.	3.9	67
45	Emerging Role of Polyamines in Plant Stress Tolerance. <i>Current Protein and Peptide Science</i> , 2018, 19, 1114-1123.	0.7	11
46	A lysosome targetable fluorescent probe for endogenous imaging of hydrogen peroxide in living cells. <i>Chemical Communications</i> , 2017, 53, 3701-3704.	2.2	84
47	A Highly Selective Fluorescent Probe for Detection of Hydrogen Sulfide in Living Systems: In Vitro and in Vivo Applications. <i>Chemistry - A European Journal</i> , 2017, 23, 9872-9878.	1.7	29
48	A naphthalimide-based solid state luminescent probe for ratiometric detection of aluminum ions: <i>in vitro</i> and <i>in vivo</i> applications. <i>Chemical Communications</i> , 2017, 53, 12646-12649.	2.2	35
49	ROS Signaling in Plants Under Heavy Metal Stress. , 2017, , 185-214.		28
50	Emerging Trends in Physiological and Biochemical Responses of Salicylic Acid. , 2017, , 47-75.		1
51	24-Epibrassinolide reduces stress in nematode-infected tomato (<i>Solanum lycopersicum</i> L.) plants cultured in vitro. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2017, 53, 538-545.	0.9	8
52	Interaction of Salicylic Acid with Plant Hormones in Plants Under Abiotic Stress. , 2017, , 201-219.		7
53	Responses of Phytochelatins and Metallothioneins in Alleviation of Heavy Metal Stress in Plants. , 2016, , 263-283.		29
54	Evaluation of in vitro and in vivo nematicidal potential of a multifunctional streptomycete, <i>Streptomyces hydrogenans</i> strain DH16 against <i>Meloidogyne incognita</i> . <i>Microbiological Research</i> , 2016, 192, 247-252.	2.5	40

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55	Role of Various Hormones in Photosynthetic Responses of Green Plants Under Environmental Stresses. <i>Current Protein and Peptide Science</i> , 2015, 16, 435-449.	0.7	13
56	The Common Molecular Players in Plant Hormone Crosstalk and Signaling. <i>Current Protein and Peptide Science</i> , 2015, 16, 369-388.	0.7	42
57	Gene Silencing. , 2014, , 209-228.		1
58	Effect of 28-homobrassinolide on susceptible and resistant cultivars of tomato after nematode inoculation. <i>Plant Growth Regulation</i> , 2013, 71, 199-205.	1.8	15
59	Modulation of Various Phytoconstituents in Tomato Seedling Growth and Meloidogyne incognita-Induced Stress Alleviation By Vermicompost Application. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	10