

# Abbu Zaid

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,063  
citations

567281

15  
h-index

642732

23  
g-index

43  
all docs

43  
docs citations

43  
times ranked

953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salicylic acid enhances nickel stress tolerance by up-regulating antioxidant defense and glyoxalase systems in mustard plants. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 575-587.	6.0	105
2	<i>Serratia marcescens</i> BM1 Enhances Cadmium Stress Tolerance and Phytoremediation Potential of Soybean Through Modulation of Osmolytes, Leaf Gas Exchange, Antioxidant Machinery, and Stress-Responsive Genes Expression. <i>Antioxidants</i> , 2020, 9, 43.	5.1	97
3	Engineering plants for heavy metal stress tolerance. <i>Rendiconti Lincei</i> , 2018, 29, 709-723.	2.2	91
4	Plant growth regulators improve growth, photosynthesis, mineral nutrient and antioxidant system under cadmium stress in menthol mint ( <i>Mentha arvensis</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 25-39.	3.1	83
5	Methyl Jasmonate and Nitrogen Interact to Alleviate Cadmium Stress in <i>Mentha arvensis</i> by Regulating Physio-Biochemical Damages and ROS Detoxification. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1331-1348.	5.1	80
6	Transcriptional regulation of osmotic stress tolerance in wheat ( <i>Triticum aestivum</i> L.). <i>Plant Molecular Biology</i> , 2018, 97, 469-487.	3.9	67
7	Harnessing Genome Editing Techniques to Engineer Disease Resistance in Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 550.	3.6	62
8	Role of Triacontanol in Counteracting the Ill Effects of Salinity in Plants: A Review. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1-10.	5.1	46
9	Salicylic Acid Spraying-Induced Resilience Strategies Against the Damaging Impacts of Drought and/or Salinity Stress in Two Varieties of <i>Vicia faba</i> L. Seedlings. <i>Journal of Plant Growth Regulation</i> , 2022, 41, 1919-1942.	5.1	40
10	Reactive Oxygen Species Generation, Scavenging and Signaling in Plant Defense Responses. , 2019, , 111-132.		30
11	Mitigation of Copper Stress in Maize by Inoculation with <i>Paenibacillus polymyxa</i> and <i>Bacillus circulans</i> . <i>Plants</i> , 2020, 9, 1513.	3.5	26
12	The Impact of Priming with Al <sub>2</sub> O <sub>3</sub> Nanoparticles on Growth, Pigments, Osmolytes, and Antioxidant Enzymes of Egyptian Roselle ( <i>Hibiscus sabdariffa</i> L.) Cultivar. <i>Agronomy</i> , 2020, 10, 681.	3.0	26
13	Role of Selective Exogenous Elicitors in Plant Responses to Abiotic Stress Tolerance. , 2019, , 273-290.		25
14	Evaluation of potassium solubilizing rhizobacteria (KSR): enhancing K-bioavailability and optimizing K-fertilization of maize plants under Indo-Gangetic Plains of India. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36412-36424.	5.3	22
15	5-Aminolevulinic Acid-Induced Heavy Metal Stress Tolerance and Underlying Mechanisms in Plants. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1423-1436.	5.1	22
16	CRISPR-Based Genome Editing Tools: Insights into Technological Breakthroughs and Future Challenges. <i>Genes</i> , 2021, 12, 797.	2.4	22
17	Efficacy of multi-walled carbon nanotubes in regulating growth performance, total glutathione and redox state of <i>Calendula officinalis</i> L. cultivated on Pb and Cd polluted soil. <i>Ecotoxicology and Environmental Safety</i> , 2021, 213, 112051.	6.0	19
18	A Critical Review on Iron Toxicity and Tolerance in Plants: Role of Exogenous Phytoprotectants. , 2020, , 83-99.		17

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19	Plant Growth Regulators and Salt Stress: Mechanism of Tolerance Trade-Off. , 2019, , 91-111.		17
20	Nitrogen use efficiency (NUE): elucidated mechanisms, mapped genes and gene networks in maize ( <i>Zea mays</i> ) cv. BTx623. <i>Plant Physiology</i> , 2021, 187, 1000-1014.	3.1	14
21	Nanotechnology: a novel and sustainable approach towards heavy metal stress alleviation in plants. <i>Nanotechnology for Environmental Engineering</i> , 2023, 8, 27-40.	3.3	13
22	Adaptive Physiological Responses of Plants under Abiotic Stresses: Role of Phytohormones. , 2020, , 797-824.		12
23	Role of Nitrogen and Sulfur in Mitigating Cadmium induced Metabolism Alterations in Plants. <i>The Journal of Plant Science Research</i> , 2019, 35, 121-141.	0.1	12
24	Interactions of phytohormones with abiotic stress factors under changing climate. , 2021, , 221-236.		11
25	Medicinal and Aromatic Plants Under Abiotic Stress: A Crosstalk on Phytohormonesâ€™ Perspective. , 2021, , 115-132.		11
26	Salicylic Acid Priming Regulates Stomatal Conductance, Trichome Density and Improves Cadmium Stress Tolerance in <i>Mentha arvensis</i> L.. <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	11
27	Nanotechnology for Phytoremediation of Heavy Metals: Mechanisms of Nanomaterial-Mediated Alleviation of Toxic Metals. , 2019, , 315-327.		9
28	Influences of Priming on Selected Physiological Attributes and Protein Pattern Responses of Salinized Wheat with Extracts of <i>Hormophysa cuneiformis</i> and <i>Actinotrichia fragilis</i> . <i>Agronomy</i> , 2021, 11, 545.	3.0	8
29	Silicon-Mediated Alleviation of Stresses in Plants. , 2018, , 377-387.		7
30	Potential of <i>Trichoderma</i> species in alleviating the adverse effects of biotic and abiotic stresses in plants. , 2021, , 85-112.		5
31	Foliar Application of Trehalose or 5-Aminolevulinic Acid Improves Photosynthesis and Biomass Production in Drought Stressed <i>Alpinia zerumbet</i> . <i>Agriculture (Switzerland)</i> , 2021, 11, 908.	3.1	5
32	Comparative evaluation of the macrophytes in the constructed wetlands for the treatment of combined wastewater (greywater and septic tank effluent) in a sub-tropical region. <i>Environmental Challenges</i> , 2021, 5, 100265.	4.2	5
33	Effects of Biochar and Biocharâ€™Compost Mix on Growth, Performance and Physiological Responses of Potted <i>Alpinia zerumbet</i> . <i>Sustainability</i> , 2021, 13, 11226.	3.2	4
34	Unraveling Omics Based Technologies in Enhancing Abiotic Stress in Genus <i>Rosa</i> : Progress and Prospects. <i>The Journal of Plant Science Research</i> , 2019, 35, 25-38.	0.1	2
35	Spectrum of Physiological and Molecular Responses in Plant Salinity Stress Tolerance. , 2020, , 1-12.		1
36	Golden Rice: Genetic Engineering, Promises, Present Status and Future Prospects. , 2020, , 581-604.		1

#	ARTICLE	IF	CITATIONS
37	Importance of small RNA in plant metabolism. , 2020, , 125-153.		0
38	CRISPR/Cas system: A powerful approach for enhanced resistance against rice blast. , 2021, , 649-658.		0