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## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87  
papers

1,864  
citations

26  
h-index

39  
g-index

94  
ext. papers

2,767  
ext. citations

4.6  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
87	Sugarcane cultivars manipulate rhizosphere bacterial communities' structure and composition of agriculturally important keystone taxa.. <i>3 Biotech</i> , <b>2022</b> , 12, 32	2.8	0
86	Assessment of wheat productivity responses and soil health dynamics under brackish ground water.. <i>Saudi Journal of Biological Sciences</i> , <b>2022</b> , 29, 793-803	4	0
85	Heterologous expression and characterization of glycoside hydrolase with its potential applications in hyperthermic environment.. <i>Saudi Journal of Biological Sciences</i> , <b>2022</b> , 29, 751-757	4	1
84	Assessment of composition and spatial dynamics of weed communities in agroecosystem under varying edaphic factors. <i>PLoS ONE</i> , <b>2022</b> , 17, e0266778	3.7	0
83	Hemarthria compressaAspergillus nigerTrichoderma pseudokoningii Mediated Trilateral Perspective for Bioremediation and Detoxification of Industrial Paper Sludge. <i>Sustainability</i> , <b>2021</b> , 13, 12266	3.6	1
82	Goethite modified biochar simultaneously mitigates the arsenic and cadmium accumulation in paddy rice (Oryza sativa) L. <i>Environmental Research</i> , <b>2021</b> , 206, 112238	7.9	2
81	Physiological homeostasis for ecological success of ( Pers.) populations in saline soils. <i>Physiology and Molecular Biology of Plants</i> , <b>2021</b> , 27, 687-701	2.8	5
80	Nitrogen Dynamics in Wetland Systems and Its Impact on Biodiversity. <i>Nitrogen</i> , <b>2021</b> , 2, 196-217	1.8	13
79	Insects-plants-pathogens: Toxicity, dependence and defense dynamics. <i>Toxicon</i> , <b>2021</b> , 197, 87-98	2.8	2
78	Linking effects of microplastics to ecological impacts in marine environments. <i>Chemosphere</i> , <b>2021</b> , 264, 128541	8.4	44
77	Phyto-derivatives: an efficient eco-friendly way to manage Trogoderma granarium (Everts) (Coleoptera: Dermestidae). <i>International Journal of Tropical Insect Science</i> , <b>2021</b> , 41, 915-926	1	3
76	Spike glycoproteins: Their significance for corona viruses and receptor binding activities for pathogenesis and viral survival. <i>Microbial Pathogenesis</i> , <b>2021</b> , 150, 104719	3.8	7
75	Rising Metals Concentration in the Environment: A Response to Effluents of Leather Industries in Sialkot. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2021</b> , 106, 493-500	2.7	8
74	A basic helix-loop-helix transcription factor CabHLH113 positively regulate pepper immunity against Ralstonia solanacearum. <i>Microbial Pathogenesis</i> , <b>2021</b> , 156, 104909	3.8	2
73	Foliar architecture and physio-biochemical plasticity determines survival of Typha domingensis pers. Ecotypes in nickel and salt affected soil. <i>Environmental Pollution</i> , <b>2021</b> , 286, 117316	9.3	6
72	Insect-fungal-interactions: A detailed review on entomopathogenic fungi pathogenicity to combat insect pests. <i>Microbial Pathogenesis</i> , <b>2021</b> , 159, 105122	3.8	10
71	Growth attributes, biochemical modulations, antioxidant enzymatic metabolism and yield in varieties for salinity tolerance. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 5469-5479	4	2

70	Host-pathogen interaction between Asian citrus psyllid and entomopathogenic fungus ( <i>Cordyceps fumosorosea</i> ) is regulated by modulations in gene expression, enzymatic activity and HLB-bacterial population of the host. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2021</b> , 248, 109112	3.2	8
69	Interactions and effects of microplastics with heavy metals in aquatic and terrestrial environments. <i>Environmental Pollution</i> , <b>2021</b> , 290, 118104	9.3	27
68	Elucidating the distinct interactive impact of cadmium and nickel on growth, photosynthesis, metal-homeostasis, and yield responses of mung bean ( <i>Vigna radiata</i> L.) varieties. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 27376-27390	5.1	12
67	Molecular Control and Application of Male Fertility for Two-Line Hybrid Rice Breeding. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
66	Elicitins as molecular weapons against pathogens: consolidated biotechnological strategy for enhancing plant growth. <i>Critical Reviews in Biotechnology</i> , <b>2020</b> , 40, 821-832	9.4	4
65	24-Epibrassinolide Alleviates the Injurious Effects of Cr(VI) Toxicity in Tomato Plants: Insights into Growth, Physio-Biochemical Attributes, Antioxidant Activity and Regulation of Ascorbate-Glutathione and Glyoxalase Cycles. <i>Journal of Plant Growth Regulation</i> , <b>2020</b> , 39, 1587-1604	4.7	30
64	Host plants alter their volatiles to help a solitary egg parasitoid distinguish habitats with parasitized hosts from those without. <i>Plant, Cell and Environment</i> , <b>2020</b> , 43, 1740-1750	8.4	2
63	Goethite-modified biochar ameliorates the growth of rice ( <i>Oryza sativa</i> L.) plants by suppressing Cd and As-induced oxidative stress in Cd and As co-contaminated paddy soil. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 137086	10.2	45
62	Plant hypersensitive response vs pathogen ingress: Death of few gives life to others. <i>Microbial Pathogenesis</i> , <b>2020</b> , 145, 104224	3.8	14
61	Plant-insect vector-virus interactions under environmental change. <i>Science of the Total Environment</i> , <b>2020</b> , 701, 135044	10.2	11
60	Goethite-modified biochar restricts the mobility and transfer of cadmium in soil-rice system. <i>Chemosphere</i> , <b>2020</b> , 242, 125152	8.4	26
59	Q-SNARE protein FgSyn8 plays important role in growth, DON production and pathogenicity of <i>Fusarium graminearum</i> . <i>Microbial Pathogenesis</i> , <b>2020</b> , 140, 103948	3.8	4
58	Characterization of mycotoxins from entomopathogenic fungi ( <i>Cordyceps fumosorosea</i> ) and their toxic effects to the development of asian citrus psyllid reared on healthy and diseased citrus plants. <i>Toxicon</i> , <b>2020</b> , 188, 39-47	2.8	12
57	Microplastics could be a threat to plants in terrestrial systems directly or indirectly. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115653	9.3	63
56	Air pollution on highways and motorways perturbs carbon and nitrogen levels in roadside ecosystems. <i>Chemistry and Ecology</i> , <b>2020</b> , 36, 868-880	2.3	3
55	Impact of landfill garbage on insect ecology and human health. <i>Acta Tropica</i> , <b>2020</b> , 211, 105630	3.2	8
54	Regulation of Capsicum immunity against microbial pathogens: Transcription factors in focus. <i>Physiological and Molecular Plant Pathology</i> , <b>2020</b> , 112, 101548	2.6	0
53	Role of environmental factors in shaping the soil microbiome. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 41225-41247	5.1	16

52	Expression and functional analysis of P450 gene induced tolerance/resistance to lambda-cyhalothrin in quercetin fed larvae of beet armyworm (HBner). <i>Saudi Journal of Biological Sciences</i> , <b>2020</b> , 27, 77-87	4	11
51	Plant-insect-microbe interaction: A love triangle between enemies in ecosystem. <i>Science of the Total Environment</i> , <b>2020</b> , 699, 134181	10.2	33
50	A novel MYB transcription factor CaPHL8 provide clues about evolution of pepper immunity againstsoil borne pathogen. <i>Microbial Pathogenesis</i> , <b>2019</b> , 137, 103758	3.8	9
49	Study of the responses of two biomonitor plant species ( <i>Datura alba</i> & <i>Ricinus communis</i> ) to roadside air pollution. <i>Chemosphere</i> , <b>2019</b> , 235, 832-841	8.4	20
48	PRRs and NB-LRRs: From Signal Perception to Activation of Plant Innate Immunity. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	37
47	Zinc finger protein transcription factors: Integrated line of action for plant antimicrobial activity. <i>Microbial Pathogenesis</i> , <b>2019</b> , 132, 141-149	3.8	22
46	The Desaturase Gene Family is Crucially Required for Fatty Acid Metabolism and Survival of the Brown Planthopper,. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	5
45	Proteomic analysis reveals key proteins in seed germination of <i>Cyclobalnopsis gilva</i> . <i>Biochemical Systematics and Ecology</i> , <b>2019</b> , 83, 106-111	1.4	1
44	Molecular regulation of pepper innate immunity and stress tolerance: An overview of WRKY TFs. <i>Microbial Pathogenesis</i> , <b>2019</b> , 135, 103610	3.8	14
43	Silencing has different effects on rice pests in the field. <i>Plant Signaling and Behavior</i> , <b>2019</b> , 14, e1640562.5	2.5	5
42	Exploring the Potential of Overexpressed Rice as a Nitrogen Utilization Efficient Crop and Analysis of Its Associated Rhizo-Compartmental Microbial Communities. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	7
41	a Stress-Responsive Protein Kinase, Positively Regulates Rice Resistance to via Phytohormone Dynamics. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	19
40	System Biology of Metal Tolerance in Plants: An Integrated View of Genomics, Transcriptomics, Metabolomics, and Phenomics <b>2019</b> , 107-144		11
39	Crosstalk Between Plant miRNA and Heavy Metal Toxicity <b>2019</b> , 145-168		8
38	CabZIP53 is targeted by CaWRKY40 and act as positive regulator in pepper defense against <i>Ralstonia solanacearum</i> and thermotolerance. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 159, 138-148	5.9	15
37	Plant microRNAs: Front line players against invading pathogens. <i>Microbial Pathogenesis</i> , <b>2018</b> , 118, 9-17	3.8	36
36	Deciphering physio-biochemical, yield, and nutritional quality attributes of water-stressed radish ( <i>Raphanus sativus</i> L.) plants grown from Zn-Lys primed seeds. <i>Chemosphere</i> , <b>2018</b> , 195, 175-189	8.4	50
35	Alteration in yield and oil quality traits of winter rapeseed by lodging at different planting density and nitrogen rates. <i>Scientific Reports</i> , <b>2018</b> , 8, 634	4.9	36

34	Expression and functional evaluation of CaZNF830 during pepper response to <i>Ralstonia solanacearum</i> or high temperature and humidity. <i>Microbial Pathogenesis</i> , <b>2018</b> , 118, 336-346	3.8	20
33	Vehicle pollution toxicity induced changes in physiology, defence system and biochemical characteristics of <i>Calotropis procera</i> L.. <i>Chemistry and Ecology</i> , <b>2018</b> , 34, 565-581	2.3	20
32	Assessment of drought tolerance in mung bean cultivars/lines as depicted by the activities of germination enzymes, seedling antioxidant potential and nutrient acquisition. <i>Archives of Agronomy and Soil Science</i> , <b>2018</b> , 64, 84-102	2	38
31	in Pepper Acts as a Negative Regulator in Response to by Directly Modulating Defense Genes Including. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	34
30	CaWRKY22 Acts as a Positive Regulator in Pepper Response to by Constituting Networks with CaWRKY6, CaWRKY27, CaWRKY40, and CaWRKY58. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	37
29	Plant Responses to Pathogen Attack: Small RNAs in Focus. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	49
28	BIOETHANOL PRODUCTION FROM LIGNOCELLULOSIC BIOMASS BY ENVIRONMENT-FRIENDLY PRETREATMENT METHODS: A REVIEW. <i>Applied Ecology and Environmental Research</i> , <b>2018</b> , 16, 225-249	1.9	51
27	Management of Tobacco Mosaic Virus through Natural Metabolites. <i>Records of Natural Products</i> , <b>2018</b> , 12, 403-415	1.9	23
26	NPK could alleviate the adverse effects of simulated acid rain in sunflower ( <i>Helianthus annuus</i> L.). <i>Journal of Plant Nutrition</i> , <b>2018</b> , 41, 584-595	2.3	2
25	Transcriptome approach to address low seed germination in <i>Cyclobalanopsis gilva</i> to save forest ecology. <i>Biochemical Systematics and Ecology</i> , <b>2018</b> , 81, 62-69	1.4	5
24	Infliximab associated with faster symptom resolution compared with corticosteroids alone for the management of immune-related enterocolitis <b>2018</b> , 6, 103		89
23	Effects of road proximity on heavy metal concentrations in soils and common roadside plants in Southern California. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 35257-35265	5.1	39
22	Capsicum annum HsfB2a Positively Regulates the Response to <i>Ralstonia solanacearum</i> Infection or High Temperature and High Humidity Forming Transcriptional Cascade with CaWRKY6 and CaWRKY40. <i>Plant and Cell Physiology</i> , <b>2018</b> , 59, 2608-2623	4.9	21
21	Sugar beet extract acts as a natural bio-stimulant for physio-biochemical attributes in water stressed wheat ( <i>Triticum aestivum</i> L.). <i>Acta Physiologiae Plantarum</i> , <b>2018</b> , 40, 1	2.6	26
20	miRNA-based heavy metal homeostasis and plant growth. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 10068-10082	5.1	69
19	miRNAs: Major modulators for crop growth and development under abiotic stresses. <i>Biotechnology Letters</i> , <b>2017</b> , 39, 685-700	3	58
18	Basic leucine zipper domain transcription factors: the vanguards in plant immunity. <i>Biotechnology Letters</i> , <b>2017</b> , 39, 1779-1791	3	38
17	Proteomic approach to address low seed germination in <i>Cyclobalnopsis gilva</i> . <i>Biotechnology Letters</i> , <b>2017</b> , 39, 1441-1451	3	22

16	Seed priming by sodium nitroprusside improves salt tolerance in wheat ( <i>Triticum aestivum</i> L.) by enhancing physiological and biochemical parameters. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 119, 50-58	5.4	74
15	Impact of chelator-induced phytoextraction of cadmium on yield and ionic uptake of maize. <i>International Journal of Phytoremediation</i> , <b>2017</b> , 19, 505-513	3.9	19
14	Biotechnological Advancements for Improving Floral Attributes in Ornamental Plants. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 530	6.2	51
13	Perspective Research Progress in Cold Responses of. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1388	6.2	5
12	Functional and Promoter Analysis of ChiIV3, a Chitinase of Pepper Plant, in Response to <i>Phytophthora capsici</i> Infection. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	30
11	PLANT VIRUS ECOLOGY: A GLIMPSE OF RECENT ACCOMPLISHMENTS. <i>Applied Ecology and Environmental Research</i> , <b>2017</b> , 15, 691-705	1.9	25
10	Phosphorus amendment decreased cadmium (Cd) uptake and ameliorates chlorophyll contents, gas exchange attributes, antioxidants, and mineral nutrients in wheat ( <i>Triticum aestivum</i> L.) under Cd stress. <i>Archives of Agronomy and Soil Science</i> , <b>2016</b> , 62, 533-546	2	101
9	Success of transgenic cotton ( <i>Gossypium hirsutum</i> L.): Fiction or reality?. <i>Cogent Food and Agriculture</i> , <b>2016</b> , 2,	1.8	3
8	CRISPR-Cas9: Tool for Qualitative and Quantitative Plant Genome Editing. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1740	6.2	49
7	Drought tolerance potential of <i>Vigna mungo</i> L. lines as deciphered by modulated growth, antioxidant defense, and nutrient acquisition patterns. <i>Revista Brasileira De Botanica</i> , <b>2016</b> , 39, 801-812	1.2	20
6	Foliar application of ascorbate enhances the physiological and biochemical attributes of maize ( <i>Zea mays</i> L.) cultivars under drought stress. <i>Archives of Agronomy and Soil Science</i> , <b>2015</b> , 61, 1659-1672	2	72
5	Biologically treated wastewater fertigation induced growth and yield enhancement effects in <i>Vigna radiata</i> L.. <i>Agricultural Water Management</i> , <b>2014</b> , 146, 124-130	5.9	16
4	Ethnobotanical studies of potential wild medicinal plants of Ormara, Gawadar, Pakistan. <i>Emirates Journal of Food and Agriculture</i> , <b>2013</b> , 25, 751	1	9
3	Salt-induced perturbation in growth, physiological attributes, activities of antioxidant enzymes and organic solutes in mungbean ( <i>Vigna radiata</i> L.) cultivars differing in salinity tolerance. <i>Archives of Agronomy and Soil Science</i> , <b>2013</b> , 59, 1695-1712	2	7
2	Influence of applied nitrogen on growth and tissue nutrient concentration in the medicinal plant Ajowain ( <i>Trachyspermum ammi</i> ). <i>Australian Journal of Experimental Agriculture</i> , <b>2006</b> , 46, 425		5
1	Mediation of Growth and Metabolism of <i>Pisum sativum</i> in Salt Stress Potentially Be Credited to Thiamine. <i>Journal of Soil Science and Plant Nutrition</i> , 1	3.2	0