

Debabrata Panda

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.

50
papers

673
citations

12
h-index

24
g-index

51
ext. papers

870
ext. citations

2.6
avg, IF

4.79
L-index

#	Paper	IF	Citations
50	Advancement in Omics Technologies for Enhancing Abiotic Stress Tolerance in Finger Millet 2022 , 559-574		
49	Drought Tolerance in Rice: Focus on Recent Mechanisms and Approaches. <i>Rice Science</i> , 2021 , 28, 119-132	3.8	34
48	Potential of Underutilized Wild Crops in Koraput, Odisha, India for Improving Nutritional Security and Promoting Climate Resilience. <i>Current Science</i> , 2021 , 120, 989	2.2	3
47	Recent Advances of Genetic Resources, Genes and Genetic Approaches for Flooding Tolerance in Rice. <i>Current Genomics</i> , 2021 , 22, 41-58	2.6	1
46	Vegetation performance of Niger on bauxite mining soil for sustainable cultivation in overburden disposal area. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2021 , 91, 665-673	1.4	
45	Genetic diversity of under-utilized indigenous finger millet genotypes from Koraput, India for crop improvement. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2021 , 30, 99-116	1.6	2
44	Suitability of Brahmi (L.) cultivation on fly ash-amended soil for better growth and oil content. <i>International Journal of Phytoremediation</i> , 2021 , 23, 72-79	3.9	2
43	Role of Ascorbate and Ascorbate-Glutathione Cycle for Photosynthetic Protection in Selected Indigenous Rice Landraces Under Drought Stress. <i>Agricultural Research</i> , 2021 , 10, 187-192	1.4	1
42	Flooding Tolerance in Rice: Focus on Mechanisms and Approaches. <i>Rice Science</i> , 2021 , 28, 43-57	3.8	7
41	Potentiality of Bat Guano as Organic Manure for Improvement of Growth and Photosynthetic Response in Crop Plants. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2021 , 91, 185-193	1.4	0
40	Harnessing leaf photosynthetic traits and antioxidant defence for multiple stress tolerance in three premium indigenous rice landraces of Jeypore tract of Odisha, India. <i>Functional Plant Biology</i> , 2020 , 47, 99-111	2.7	3
39	Natural antioxidant potential of selected underutilized wild yams (spp.) for health benefit. <i>Journal of Food Science and Technology</i> , 2020 , 57, 2370-2376	3.3	4
38	Potential of Neglected and Underutilized Yams (spp.) for Improving Nutritional Security and Health Benefits. <i>Frontiers in Pharmacology</i> , 2020 , 11, 496	5.6	18
37	Phytoremediation potential of naturally growing weed plants grown on fly ash-amended soil for restoration of fly ash deposit. <i>International Journal of Phytoremediation</i> , 2020 , 22, 1195-1203	3.9	13
36	Assessment of Variation in Morpho-Physiological Traits and Genetic Diversity in Relation to Submergence Tolerance of Five Indigenous Lowland Rice Landraces. <i>Rice Science</i> , 2020 , 27, 32-43	3.8	3
35	Nutritional, anti-nutritional and physico-functional properties of wild edible yam (Dioscorea spp.) tubers from Koraput, India. <i>Food Bioscience</i> , 2020 , 34, 100527	4.9	11
34	Genetic variability of panicle architecture in indigenous rice landraces of Koraput region of Eastern Ghats of India for crop improvement. <i>Physiology and Molecular Biology of Plants</i> , 2020 , 26, 1961-1971	2.8	1

33	Physiological response of metal tolerance and detoxification in castor (L.) under fly ash-amended soil. <i>Heliyon</i> , 2020 , 6, e04567	3.6	8
32	Improvement of Rice Quality: The New Revolution 2020 , 87-108		1
31	Sprouting-Associated Changes in Nutritional and Physico-Functional Properties of Indigenous Millets from Koraput, India. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020 , 90, 79-86	1.4	2
30	Data assessing genotypic variations in selected traditional rice landraces of Jeypore tract of Odisha, India based on photosynthetic traits. <i>Data in Brief</i> , 2019 , 25, 104305	1.2	
29	Data on genetic potentiality of folk rice (L.) genotypes from Koraput, India in reference to drought tolerance traits. <i>Data in Brief</i> , 2019 , 25, 104363	1.2	2
28	Leaf photosynthesis and antioxidant response in selected traditional rice landraces of Jeypore tract of Odisha, India to submergence. <i>Physiology and Molecular Biology of Plants</i> , 2019 , 25, 847-863	2.8	5
27	Improvement of Growth, Photosynthesis and Antioxidant Defense in Rice (<i>Oryza sativa</i> L.) Grown in Fly Ash-Amended Soil. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2019 , 89, 853-860	1.4	8
26	Genetic variability and inter species relationship between wild and cultivated yams (spp.) from Koraput, India based on molecular and morphological markers. <i>Physiology and Molecular Biology of Plants</i> , 2019 , 25, 1225-1233	2.8	4
25	Yield and photochemical activity of selected rice cultivars from Eastern India under medium depth stagnant flooding. <i>Photosynthetica</i> , 2019 , 57, 1084-1093	2.2	2
24	Genetic potentiality of lowland indigenous indica rice (<i>Oryza sativa</i> L.) landraces to anaerobic germination potential. <i>Plant Physiology Reports</i> , 2019 , 24, 249-261	1.4	2
23	Genotypic variability for drought tolerance-related morpho-physiological traits among indigenous rice landraces of Jeypore tract of Odisha, India. <i>Journal of Crop Improvement</i> , 2019 , 33, 254-278	1.4	10
22	Growth and physiological response of lemongrass (<i>Cymbopogon citratus</i> (D.C.) Stapf.) under different levels of fly ash-amended soil. <i>International Journal of Phytoremediation</i> , 2018 , 20, 538-544	3.9	23
21	Variation of photosynthetic characteristics and yield in wild and cultivated species of yams (<i>Dioscorea</i> spp.) from Koraput, India. <i>Photosynthetica</i> , 2018 , 56, 1010-1018	2.2	8
20	The population structure and genetic divergence of <i>Labeo gonius</i> (Hamilton, 1822) analyzed through mitochondrial DNA cytochrome b gene for conservation in Indian waters. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018 , 29, 543-551	1.3	4
19	Physiological characterization and allelic diversity of selected drought tolerant traditional rice (L.) landraces of Koraput, India. <i>Physiology and Molecular Biology of Plants</i> , 2018 , 24, 1035-1046	2.8	12
18	Evaluation of mineral bioavailability and heavy metal content in indigenous food plant wild yams (spp.) from Koraput, India. <i>Journal of Food Science and Technology</i> , 2018 , 55, 4681-4686	3.3	6
17	Genotypic variation of photosynthetic gas exchange and stomatal traits in some traditional rice (L.) landraces from Koraput, India for crop improvement. <i>Physiology and Molecular Biology of Plants</i> , 2018 , 24, 973-983	2.8	10
16	Leaf Traits and Antioxidant Defense for Drought Tolerance During Early Growth Stage in Some Popular Traditional Rice Landraces from Koraput, India. <i>Rice Science</i> , 2017 , 24, 207-217	3.8	26

15	Role of starch hydrolytic enzymes and phosphatases in relation to under water seedling establishment in rice. <i>Indian Journal of Plant Physiology</i> , 2017 , 22, 279-286		3
14	Effects of different treatments of fly ash and mining soil on growth and antioxidant protection of Indian wild rice. <i>International Journal of Phytoremediation</i> , 2017 , 19, 446-452	3.9	23
13	Can rice cultivar with submergence tolerant quantitative trait locus (SUB1) manage submergence stress better during reproductive stage?. <i>Archives of Agronomy and Soil Science</i> , 2017 , 63, 998-1008	2	6
12	Genetic differentiation in Indian Major Carp, <i>Cirrhinus mrigala</i> (Hamilton, 1822) from Indian Rivers, as revealed by direct sequencing analysis of mitochondrial Cytochrome b region. <i>Mitochondrial DNA</i> , 2015 , 26, 334-6		4
11	Mechanism associated with nonstructural carbohydrate accumulation in submergence tolerant rice (<i>Oryza sativa</i> L.) cultivars. <i>Journal of Plant Interactions</i> , 2014 , 9, 62-68	3.8	12
10	Natural leaf senescence: probed by chlorophyll fluorescence, CO ₂ photosynthetic rate and antioxidant enzyme activities during grain filling in different rice cultivars. <i>Physiology and Molecular Biology of Plants</i> , 2013 , 19, 43-51	2.8	31
9	Characterization of Leaf Gas Exchange and Anti-oxidant Defense of Rice (<i>Oryza sativa</i> L.) Cultivars Differing in Submergence Tolerance Owing to Complete Submergence and Consequent Re-aeration. <i>Agricultural Research</i> , 2013 , 2, 301-308	1.4	10
8	Leaf Photosynthetic Activity and Antioxidant Defense Associated with Sub1 QTL in Rice Subjected to Submergence and Subsequent Re-aeration. <i>Rice Science</i> , 2012 , 19, 108-116	3.8	21
7	ROLE OF NON-STRUCTURAL CARBOHYDRATE AND ITS CATABOLISM ASSOCIATED WITH SUB 1 QTL IN RICE SUBJECTED TO COMPLETE SUBMERGENCE. <i>Experimental Agriculture</i> , 2012 , 48, 502-512	1.7	8
6	Distinction and characterisation of submergence tolerant and sensitive rice cultivars, probed by the fluorescence OJIP rise kinetics. <i>Functional Plant Biology</i> , 2009 , 36, 222-233	2.7	24
5	Submergence tolerance in relation to variable floodwater conditions in rice. <i>Environmental and Experimental Botany</i> , 2009 , 66, 425-434	5.9	114
4	Chlorophyll fluorescence parameters, CO ₂ photosynthetic rate and regeneration capacity as a result of complete submergence and subsequent re-emergence in rice (<i>Oryza sativa</i> L.). <i>Aquatic Botany</i> , 2008 , 88, 127-133	1.8	101
3	Submergence effects on rice genotypes during seedling stage: Probing of submergence driven changes of photosystem 2 by chlorophyll a fluorescence induction O-J-I-P transients. <i>Photosynthetica</i> , 2006 , 44, 69-75	2.2	78
2	Differential drought tolerance responses in short-grain aromatic rice germplasms from Koraput valley of Eastern Ghats of India. <i>Plant Physiology Reports</i> , 1	1.4	1
1	Physiological introspection of leaf photochemical activity and antioxidant metabolism in selected indigenous finger millet genotypes in relation to drought stress. <i>Cereal Research Communications</i> , 1	1.1	1