

Soumen Bhattacharjee

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,270
citations

687363

13
h-index

395702

33
g-index

53
all docs

53
docs citations

53
times ranked

1801
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Peroxide Induced Antioxidant-Coupled Redox Regulation of Germination in Rice: Redox Metabolic, Transcriptomic and Proteomic Evidences. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 1084-1106.	5.1	5
2	Genetic and seasonal variability of bioactive polyphenolic compounds and antioxidant-based phytonutrient promise of diverse vegetable amaranths of Indo-Gangetic plains of West Bengal. <i>JSFA Reports</i> , 2022, 2, 116-130.	0.8	0
3	Exploring Polyphenol Based Bioactive Antioxidants of Underutilized Herb <i>Amaranthus Spinosa</i> L. for Medicinal Purposes. <i>Journal of Exploratory Research in Pharmacology</i> , 2022, 000, 000-000.	0.4	0
4	Anti-diabetic, anti-inflammatory and anti-oxidant properties of four underutilized ethnomedicinal plants of West Bengal, India: an in vitro approach. <i>South African Journal of Botany</i> , 2022, 149, 768-780.	2.5	4
5	Frequency of glutathione S-Transferase M1, T1 and P1 genotypes and their combinations in northern West Bengal, India: Implications for disease association. <i>Gene Reports</i> , 2021, 25, 101313.	0.8	0
6	Complementation of ROS scavenging secondary metabolites with enzymatic antioxidant defense system augments redox-regulation property under salinity stress in rice. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1623-1633.	3.1	19
7	Amaranth: A reservoir of antioxidant-based phytonutrient for combating degenerative diseases. <i>Studies in Natural Products Chemistry</i> , 2020, , 81-121.	1.8	3
8	Accumulation of Polyphenolic Compounds and Osmolytes under Dehydration Stress and Their Implication in Redox Regulation in Four Indigenous Aromatic Rice Cultivars. <i>Rice Science</i> , 2020, 27, 329-344.	3.9	24
9	The interaction of reactive oxygen species and antioxidants at the metabolic interface in salicylic acid-induced adventitious root formation in mung bean [<i>Vigna radiata</i> (L.) R. Wilczek]. <i>Journal of Plant Physiology</i> , 2020, 248, 153152.	3.5	13
10	Redox Gateway Associated with Adventitious Root Formation Under Stress and Hormonal Signalling in Plants. <i>Current Science</i> , 2020, 119, 462.	0.8	4
11	ROS and Oxidative Stress: Origin and Implication. , 2019, , 1-31.		18
12	ROS and Antioxidants: Relationship in Green Cells. , 2019, , 33-63.		2
13	Acetylcholinesterase, Butyrylcholinesterase and Glutathione S-Transferase Enzyme Activities and Their Correlation with Genotypic Variations Based on GST M1 and GST T1 Loci in Long Term-Pesticide-Exposed Tea Garden Workers of Sub-Himalayan West Bengal. <i>Toxicology and Environmental Health Sciences</i> , 2019, 11, 63-72.	2.1	6
14	ROS and Oxidative Modification of Cellular Components. , 2019, , 81-105.		0
15	ROS and Regulation of Photosynthesis. , 2019, , 107-125.		10
16	ROS: Central Component of Signaling Network in Plant Cell. , 2019, , 127-153.		1
17	Exploring Oxidative Stress in Plants: Proteomic and Genomic Approaches. , 2019, , 155-187.		0
18	Synthesis, Characterization, and Comparison of Host-Guest Complexes of β -CD with Vitamins Explored through Their Biological Activities. <i>ACS Omega</i> , 2019, 4, 7151-7175.	3.5	7

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19	Redox-regulation of germination during imbibitional oxidative and chilling stress in an indica rice cultivar (<i>Oryza sativa</i> L., Cultivar Ratna). <i>Physiology and Molecular Biology of Plants</i> , 2019, 25, 649-665.	3.1	9
20	Nutritional composition, mineral content, antioxidant activity and quantitative estimation of water soluble vitamins and phenolics by RP-HPLC in some lesser used wild edible plants. <i>Heliyon</i> , 2019, 5, e01431.	3.2	74
21	Genetic Diversity and Population Structure Analyses of Threatened <i>Amblyceps mangois</i> from Sub-Himalayan West Bengal, India Through Rapd and ISSR Fingerprinting. <i>Ribarstvo, Croatian Journal of Fisheries</i> , 2019, 77, 33-50.	0.6	1
22	Evaluation of Selected Invasive Alien Species <i>via</i> Bioprospecting as Potential Sources of Food Supplements. <i>Animal Nutrition and Feed Technology</i> , 2019, 19, 137.	0.2	0
23	Genetic Characterization of <i>Barilius barna</i> (Hamilton, 1822) in the Teesta River of Sub-Himalayan West Bengal, India, Through RAPD and ISSR Fingerprinting. <i>Proceedings of the Zoological Society</i> , 2018, 71, 203-212.	1.0	1
24	Redox metabolic and molecular parameters for screening drought tolerant indigenous aromatic rice cultivars. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 7-23.	3.1	24
25	Bacteriological, Clinical and Virulence Aspects of <i>Aeromonas</i> -associated Diseases in Humans. <i>Polish Journal of Microbiology</i> , 2018, 67, 137-150.	1.7	49
26	In vivo and in silico investigations of the toxicological and analgesic properties of unprocessed Aloe vera gel in experimental rat models. <i>Archives of Biological Sciences</i> , 2018, 70, 727-735.	0.5	2
27	Analyses of genetic diversity of <i>Badis badis</i> (Hamilton-Buchanan 1822) from three Riverine systems in sub-Himalayan biodiversity hotspot of west Bengal, India using RAPD and ISSR fingerprinting. <i>Genetika</i> , 2018, 50, 771-790.	0.4	2
28	Foliar anti-diabetic and antioxidant potential of a promising accession of <i>Amaranthus hypochondriacus</i> L.: GC-MS based evidences. <i>The Journal of Phytopharmacology</i> , 2018, 7, 121-126.	0.3	3
29	RP-HPLC based evidences of rich sources of Phenolics and water-soluble vitamins in an annual sedge <i>Cyperus compressus</i> . <i>The Journal of Phytopharmacology</i> , 2018, 7, 305-311.	0.3	6
30	Entry, infection, replication, and egress of human polyomaviruses: an update. <i>Canadian Journal of Microbiology</i> , 2017, 63, 193-211.	1.7	16
31	A Report About the National Seminar on "Contemporary Progress in Plant Sciences" (March 20"21,) Tj ETQq1 1 0.784314 rgB The National Academy of Sciences, India, 2017, 40, 225-226.	1.3	3
32	Antioxidant Signaling and Redox Regulation in Drought- and Salinity-Stressed Plants. , 2016, , 465-498.		10
33	Assessment of anti-inflammatory and anti-arthritic properties of <i>Acmella uliginosa</i> (Sw.) Cass. based on experiments in arthritic rat models and qualitative GC/MS analyses.. <i>Journal of Intercultural Ethnopharmacology</i> , 2016, 5, 257.	0.9	7
34	Recent advances in host–virus interactomics during entry and infection. <i>Virus Adaptation and Treatment</i> , 2015, , 57.	1.5	2
35	Differential competence of redox-regulatory mechanism under extremes of temperature determines growth performances and cross tolerance in two indica rice cultivars. <i>Journal of Plant Physiology</i> , 2015, 176, 65-77.	3.5	33
36	Hydrogen peroxide priming modulates abiotic oxidative stress tolerance: insights from ROS detoxification and scavenging. <i>Frontiers in Plant Science</i> , 2015, 6, 420.	3.6	552

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37	Study of genetic diversity of KIR and TLR in the Rabhas, an endogamous primitive tribe of India. Human Immunology, 2015, 76, 789-794.	2.4	3
38	Study of the Genetic Diversity of the Ornamental Fish <i>Badis badis</i> (Hamilton-Buchanan, 1822) in the Terai Region of Sub-Himalayan West Bengal, India. International Journal of Biodiversity, 2014, 2014, 1-10.	0.7	4
39	Reactive Oxygen Species-Associated Mechanism of Acclamatory Stress Tolerance, Signaling and Redox-Regulated Gene Expression in Plants. , 2014, , 149-175.		1
40	Molecular Analysis of JC Polyomavirus Genotypes Circulating among Tribal Populations of North-Eastern West Bengal, India. Polish Journal of Microbiology, 2014, 63, 191-201.	1.7	2
41	Role of genomic and proteomic tools in the study of host-virus interactions and virus evolution. Indian Journal of Virology: an Official Organ of Indian Virological Society, 2013, 24, 306-311.	0.7	3
42	Study of the KIR gene profiles and analysis of the phylogenetic relationships of Rajbanshi population of West Bengal, India. Human Immunology, 2013, 74, 673-680.	2.4	5
43	Heat and chilling induced disruption of redox homeostasis and its regulation by hydrogen peroxide in germinating rice seeds (<i>Oryza sativa</i> L., Cultivar Ratna). Physiology and Molecular Biology of Plants, 2013, 19, 199-207.	3.1	26
44	Human migration, diversity and disease association: a convergent role of established and emerging DNA markers. Frontiers in Genetics, 2013, 4, 155.	2.3	5
45	An inductive pulse of hydrogen peroxide pretreatment restores redox-homeostasis and oxidative membrane damage under extremes of temperature in two rice cultivars. Plant Growth Regulation, 2012, 68, 395-410.	3.4	47
46	The Language of Reactive Oxygen Species Signaling in Plants. Journal of Botany, 2012, 2012, 1-22.	1.2	144
47	Sites of Generation and Physicochemical Basis of Formation of Reactive Oxygen Species in Plant Cell. , 2010, , 1-30.		29
48	Involvement of calcium and calmodulin in oxidative and temperature stress of <i>Amaranthus lividus</i> L. during early germination. Journal of Environmental Biology, 2009, 30, 557-62.	0.5	9
49	Calcium-dependent signaling pathway in the heat-induced oxidative injury in <i>Amaranthus lividus</i> . Biologia Plantarum, 2008, 52, 137-140.	1.9	49
50	Triadimefon pretreatment protects newly assembled membrane system and causes up-regulation of stress proteins in salinity stressed <i>Amaranthus lividus</i> L. during early germination. Journal of Environmental Biology, 2008, 29, 805-10.	0.5	13
51	Population and hierarchical genetic structure of <i>Badis badis</i> (Hamilton-Buchanan, 1822) in sub-Himalayan Terai region of West Bengal, India.. International Journal of Aquaculture, 0, , .	0.0	0