Sanghamitra Samantaray

List of Publications by Year
in descending order

28	532	687363 13	677142 22
papers	citations	h-index	g-index

32	32	32	581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of chromium on plant growth and metabolism. Acta Physiologiae Plantarum, 1998, 20, 201-212.	2.1	61
2	Bioavailability of iron and zinc as affected by phytic acid content in rice grain. Journal of Food Biochemistry, 2017, 41, e12413.	2.9	42
3	Development of doubled haploids from an elite indica rice hybrid (BS6444G) using anther culture. Plant Cell, Tissue and Organ Culture, 2017, 128, 679-689.	2.3	35
4	Induction, selection and characterization of Cr and Ni-tolerant cell lines of Echinochloa colona (L.) Link in vitro. Journal of Plant Physiology, 2001, 158, 1281-1290.	3.5	33
5	Blast resistance in Indian rice landraces: Genetic dissection by gene specific markers. PLoS ONE, 2019, 14, e0211061.	2.5	33
6	Doubled Haploids generated through anther culture from an elite long duration rice hybrid, CRHR32: Method optimization and molecular characterization. Plant Biotechnology, 2016, 33, 177-186.	1.0	31
7	Effect of multiple allelic combinations of genes on regulating grain size in rice. PLoS ONE, 2018, 13, e0190684.	2.5	29
8	Use of molecular markers in identification and characterization of resistance to rice blast in India. PLoS ONE, 2017, 12, e0176236.	2.5	26
9	Rice with pulses or cooking oils can be used to elicit lower glycemic response. Journal of Food Composition and Analysis, 2018, 71, 1-7.	3.9	26
10	Identification of RAPD markers linked to sex determination in guggal [Commiphora wightii (Arnott.)] Bhandari. Plant Biotechnology Reports, 2010, 4, 95-99.	1.5	24
11	Role of transporters in plant disease resistance. Physiologia Plantarum, 2021, 171, 849-867.	5.2	22
12	In vitro selection and characterization of Ni-tolerant callus lines of Setaria italica L. Acta Physiologiae Plantarum, 1998, 20, 269-275.	2.1	16
13	Identification of sex-specific DNA markers in betel vine (Piper betle L.). Genetic Resources and Crop Evolution, 2012, 59, 645-653.	1.6	16
14	Understanding the Plant-microbe Interactions in CRISPR/Cas9 Era: Indeed a Sprinting Start in Marathon. Current Genomics, 2020, 21, 429-443.	1.6	14
15	Evaluation of genetic relationships in Plantago species using Random Amplified Polymorphic DNA (RAPD) markers. Plant Biotechnology, 2010, 27, 297-303.	1.0	12
16	Anther Culture Efficiency in Quality Hybrid Rice: A Comparison between Hybrid Rice and Its Ratooned Plants. Plants, 2020, 9, 1306.	3.5	12
17	Chromium and nickel tolerance of Trema orientalis (Blume) L. in tissue culture. Acta Physiologiae Plantarum, 1999, 21, 27-35.	2.1	10
18	MANGANESE TOXICITY IN ECHINOCHLOA COLONA: EFFECTS OF DIVALENT MANGANESE ON GROWTH AND DEVELOPMENT. Israel Journal of Plant Sciences, 1997, 45, 9-12.	0.5	9

#	Article	IF	Citations
19	Direct shoot regeneration from immature inflorescence cultures of Chlorophytum arundinaceum and Chlorophytum borivilianum. Biologia (Poland), 2009, 64, 305-309.	1.5	9
20	Frequency and fertility restoration efficiency of Rf3 and Rf4 genes in Indian rice. Plant Breeding, 2017, 136, 74-82.	1.9	9
21	Androgenesis in indica rice: A comparative competency in development of doubled haploids. PLoS ONE, 2022, 17, e0267442.	2.5	9
22	Rapid plant regeneration and assessment of genetic fidelity ofin vitroraised plants inAloe barbadensisMill. using RAPD markers. Acta Botanica Gallica, 2008, 155, 427-434.	0.9	6
23	Effects of high temperature on spikelet sterility in rice (Oryza sativa L.): association between molecular markers and allelic phenotypic effect in field condition. Genetic Resources and Crop Evolution, 2021, 68, 1923-1935.	1.6	5
24	Differential nickel tolerance of mung bean (Vigna radiata L.) genotypes in nutrient culture. Agronomy for Sustainable Development, 1998, 18, 537-544.	0.8	5
25	Factors influencing rapid clonal propagation of Chlorophytum arundinaceum (Liliales: Liliaceae), an endangered medicinal plant. Revista De Biologia Tropical, 2011, 59, 435-45.	0.4	4
26	Plant regeneration from callus cultures of Vitex trifolia (Lamiales: Lamiaceae): a potential medicinal plant. Revista De Biologia Tropical, 2013, 61, 1083-94.	0.4	4
27	Identification and assessment of genetic relationships in three Chlorophytum species and two high yielding genotypes of C. borivilianum through RAPD markers. Biologia (Poland), 2011, 66, 244-250.	1.5	3
28	Conservation of medicinal yam in vitro: Effect of ionic strength, sucrose, mannitol, ABA and low temperature. Indian Journal of Horticulture, 2019, 76, 701.	0.1	3