

Umesh Goutam

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

326
citations

933447

10
h-index

940533

16
g-index

32
all docs

32
docs citations

32
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Products for Fungal Diseases Management and Prevention. <i>Natural Products Journal</i> , 2022, 12, 60-69.	0.3	2
2	Biofortification Strategies to Improve Iron Concentrations in Potato Tubers: Lessons and Future Opportunities. <i>Potato Research</i> , 2022, 65, 51-64.	2.7	12
3	Effect of Nutrients on Diatom Growth: A Review. <i>Trends in Sciences</i> , 2022, 19, 1752.	0.5	4
4	Meta-topolin-mediated regeneration and accumulation of phenolic acids in the critically endangered medicinal plant <i>Crinum malabaricum</i> (Amaryllidaceae): A potent source of galanthamine. <i>South African Journal of Botany</i> , 2022, 149, 853-859.	2.5	11
5	Deep-marine bacteria—The Frontier alternative for heavy metals bioremediation. , 2022, , 429-450.		2
6	Genotypic variations for tuber nutrient content, dry matter and agronomic traits in tetraploid potato germplasm. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 1233-1248.	3.1	4
7	A simple protocol for high frequency plant regeneration and enhancing Shikonin production from callus cultures in <i>Arnebia hispidissima</i> . <i>South African Journal of Botany</i> , 2022, 149, 781-788.	2.5	3
8	Potato Periderm is the First Layer of Defence against Biotic and Abiotic Stresses: a Review. <i>Potato Research</i> , 2021, 64, 131-146.	2.7	15
9	CRISPR-CAS9: A GENOME EDITING TOOL FOR IMPROVEMENT OF BIOFUEL PRODUCTION IN DIATOMS: A REVIEW. <i>Plant Archives</i> , 2021, 21, 202-209.	0.2	0
10	Validation of molecular response of tuberization in response to elevated temperature by using a transient Virus Induced Gene Silencing (VIGS) in potato. <i>Functional and Integrative Genomics</i> , 2021, 21, 215-229.	3.5	10
11	CRISPR/Cas9-mediated genome editing is revolutionizing the improvement of horticultural crops: Recent advances and future prospects. <i>Scientia Horticulturae</i> , 2021, 289, 110476.	3.6	10
12	Potato biofortification: an effective way to fight global hidden hunger. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 2297-2313.	3.1	17
13	Role of Metagenomics in Plant Disease Management. <i>Environmental and Microbial Biotechnology</i> , 2021, , 203-220.	0.7	0
14	Green Silver Nanoparticles for Phytopathogen Control. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 439-446.	1.0	21
15	Impact of heat stress on potato (<i>Solanum tuberosum</i> L.): present scenario and future opportunities. <i>Journal of Horticultural Science and Biotechnology</i> , 2020, 95, 407-424.	1.9	28
16	<i>Nardostachys jatamansi</i> (D.Don) DC.: An invaluable and constantly dwindling resource of the Himalayas. <i>South African Journal of Botany</i> , 2020, 135, 252-267.	2.5	13
17	<i>Solanum tuberosum</i> (CYCLING DOF FACTOR) CDF1.2 allele: A candidate gene for developing earliness in potato. <i>South African Journal of Botany</i> , 2020, 132, 242-248.	2.5	8
18	dsRNA: The next-generation foliar fungicide. , 2020, , 123-135.		0

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19	VIGS: a flexible tool for the study of functional genomics of plants under abiotic stresses. Journal of Crop Improvement, 2019, 33, 567-604.	1.7	8
20	Functional genomic approaches to improve crop plant heat stress tolerance. F1000Research, 2019, 8, 1721.	1.6	31
21	Milestones achieved in response to drought stress through reverse genetic approaches. F1000Research, 2018, 7, 1311.	1.6	22
22	Fungal Disease Management in Chickpea: Current Status and Future Prospects. , 2018, , 293-309.		5
23	Recent Approaches for Late Blight Disease Management of Potato Caused by Phytophthora infestans. , 2018, , 311-325.		7
24	Variable polyphenol oxidase (PPO) activity indicates grain quality in bread wheat (Triticum aestivum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	6
25	Genetic Engineering of Poplar: Current Achievements and Future Goals. , 2017, , 361-390.		1
26	Changing Trends in Microalgal Energy Production- Review of Conventional and Emerging Approaches. Journal of Pure and Applied Microbiology, 2017, 11, 993-1007.	0.9	2
27	Prevalence of Multiple Antibiotic Resistant Nasal Carriage MRSA Among Healthy Population of Border Villages in Amritsar Region, Punjab, India. Journal of Clinical and Diagnostic Research JCDR, 2016, 10, DL01-2.	0.8	1
28	Recent trends and perspectives of molecular markers against fungal diseases in wheat. Frontiers in Microbiology, 2015, 6, 861.	3.5	55
29	Allelic variations of functional markers for high molecular weight glutenin genes in Indian wheat (Triticum aestivum L.) cultivars and their correlation with bread loaf volume. Indian Journal of Plant Physiology, 2015, 20, 97-102.	0.8	6
30	Multiple shoot proliferation, bulblet induction and evaluation of genetic stability in Asiatic hybrid lily (Lilium sp.). Indian Journal of Plant Physiology, 2013, 18, 354-359.	0.8	14
31	Phytoremediation: A New Hope for the Environment. , 2012, , 149-171.		2
32	Allelic variations of functional markers for polyphenol oxidase (PPO) genes in Indian bread wheat (Triticum aestivum L.) cultivars. Journal of Genetics, 2009, 88, 325-329.	0.7	6