

Pandiyan Muthuramalingam

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

580
citations

777949

13
h-index

759306

22
g-index

33
all docs

33
docs citations

33
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic engineering strategies to enhance the production of anticancer drug, paclitaxel. , 2022, , 229-250.		2
2	Molecular Insights into Freezing Stress in Peach Based on Multi-Omics and Biotechnology: An Overview. <i>Plants</i> , 2022, 11, 812.	1.6	9
3	<i>Vitex negundo</i> L. derived specialized molecules unveil the multi-targeted therapeutic avenues against COPD: a systems pharmacology approach. <i>Frontiers in Bioscience</i> , 2022, 27, 087.	0.8	5
4	Multi-Omics and Integrative Approach towards Understanding Salinity Tolerance in Rice: A Review. <i>Biology</i> , 2022, 11, 1022.	1.3	14
5	Global transcriptome analysis of novel stress associated protein (<i>SAP</i>) genes expression dynamism of combined abiotic stresses in <i>Oryza sativa</i> (L.). <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 2106-2117.	2.0	11
6	The Role of OsWRKY Genes in Rice When Faced with Single and Multiple Abiotic Stresses. <i>Agronomy</i> , 2021, 11, 1301.	1.3	12
7	An Overview of Abiotic Stress in Cereal Crops: Negative Impacts, Regulation, Biotechnology and Integrated Omics. <i>Plants</i> , 2021, 10, 1472.	1.6	37
8	Spatial changes of arbuscular mycorrhizal fungi in peach and their correlation with soil properties. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6495-6499.	1.8	5
9	Staphyloxanthin inhibitory potential of thymol impairs antioxidant fitness, enhances neutrophil mediated killing and alters membrane fluidity of methicillin resistant <i>Staphylococcus aureus</i> . <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111933.	2.5	32
10	RNA-Seq based global transcriptome analysis of rice unravels the key players associated with brown planthopper resistance. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 118-128.	3.6	2
11	CRISPR based development of RNA editing and the diagnostic platform. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 179, 117-159.	0.9	0
12	Seed Dormancy and Pre-Harvest Sprouting in Rice—An Updated Overview. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11804.	1.8	28
13	Overexpression of <i>Erianthus arundinaceus</i> DREB2 Transcription Factor Ameliorates the Salinity and Drought Tolerance in <i>Eleusine coracana</i> Cultivars. <i>Biology and Life Sciences Forum</i> , 2021, 4, 8.	0.6	1
14	Biomedical Applications and Bioavailability of Curcumin—An Updated Overview. <i>Pharmaceutics</i> , 2021, 13, 2102.	2.0	75
15	Plant Derived Bioactive Compounds, Their Anti-Cancer Effects and In Silico Approaches as an Alternative Target Treatment Strategy for Breast Cancer: An Updated Overview. <i>Cancers</i> , 2021, 13, 6222.	1.7	20
16	Global integrated omics expression analyses of abiotic stress signaling HSF transcription factor genes in <i>Oryza sativa</i> L.: An in silico approach. <i>Genomics</i> , 2020, 112, 908-918.	1.3	17
17	Integrated transcriptomic and metabolomic analyses of glutamine metabolism genes unveil key players in <i>Oryza sativa</i> (L.) to ameliorate the unique and combined abiotic stress tolerance. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 222-231.	3.6	10
18	Proteomic and Systematic Functional Profiling Unveils Citral Targeting Antibiotic Resistance, Antioxidant Defense, and Biofilm-Associated Two-Component Systems of <i>Acinetobacter baumannii</i> To Encumber Biofilm and Virulence Traits. <i>MSystems</i> , 2020, 5, .	1.7	9

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19	Global multi-omics and systems pharmacological strategy unravel the multi-targeted therapeutic potential of natural bioactive molecules against COVID-19: An in silico approach. <i>Genomics</i> , 2020, 112, 4486-4504.	1.3	26
20	Carvacrol Targets SarA and CrtM of Methicillin-Resistant <i>Staphylococcus aureus</i> to Mitigate Biofilm Formation and Staphyloxanthin Synthesis: An In Vitro and In Vivo Approach. <i>ACS Omega</i> , 2020, 5, 31100-31114.	1.6	32
21	Bacopa monnieri and Their Bioactive Compounds Inferred Multi-Target Treatment Strategy for Neurological Diseases: A Cheminformatics and System Pharmacology Approach. <i>Biomolecules</i> , 2020, 10, 536.	1.8	60
22	In Vitro Propagation, Phytochemical and Neuropharmacological Profiles of Bacopa monnieri (L.) Wettst.: A Review. <i>Plants</i> , 2020, 9, 411.	1.6	29
23	Abiotic Stress and Applications of Omics Approaches to Develop Stress Tolerance in Agronomic Crops. , 2020, , 557-578.		4
24	Augmenting a competent in vitro organogenesis etiquette from leaf base of country mallow, <i>Abutilon indicum</i> L. sweet: An ethno-botanically valuable medicinal plant. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101125.	1.5	0
25	Integrating the Bioinformatics and Omics Tools for Systems Analysis of Abiotic Stress Tolerance in <i>Oryza sativa</i> (L.). , 2019, , 59-77.		3
26	Analysis of population structure and genetic diversity in an exotic germplasm collection of <i>Eleusine coracana</i> (L.) Gaertn. using genic-SSR markers. <i>Gene</i> , 2018, 653, 80-90.	1.0	23
27	Genome-wide identification of major transcription factor superfamilies in rice identifies key candidates involved in abiotic stress dynamism. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2018, 27, 300-317.	0.9	14
28	Sprouted Sorghum Extract Elicits Coleoptile Emergence, Enhances Shoot and Root Acclimatization, and Maintains Genetic Fidelity in indica Rice. <i>Rice Science</i> , 2018, 25, 61-72.	1.7	1
29	Global analysis of threonine metabolism genes unravel key players in rice to improve the abiotic stress tolerance. <i>Scientific Reports</i> , 2018, 8, 9270.	1.6	46
30	Global Transcriptome Analysis of Combined Abiotic Stress Signaling Genes Unravels Key Players in <i>Oryza sativa</i> L.: An In silico Approach. <i>Frontiers in Plant Science</i> , 2017, 8, 759.	1.7	45
31	Emerging Trends on Abiotic Stress Tolerance Investigation in Crop Plants. <i>Advances in Biotechnology & Microbiology</i> (Newbury, Calif), 2017, 6, .	0.1	2
32	Global Integrated Genomic and Transcriptomic Analyses of MYB Transcription Factor Superfamily in C3 Model Plant <i>Oryza sativa</i> (L.) Unravel Potential Candidates Involved in Abiotic Stress Signaling. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	4