

Archana Singh

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,734
citations

516681

16
h-index

315719

38
g-index

50
all docs

50
docs citations

50
times ranked

2355
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into SARS-CoV-2 genome, structure, evolution, pathogenesis and therapies: Structural genomics approach. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165878.	3.8	770
2	Reactive oxygen species-mediated signaling during abiotic stress. <i>Plant Gene</i> , 2019, 18, 100173.	2.3	128
3	Protease inhibitors: recent advancement in its usage as a potential biocontrol agent for insect pest management. <i>Insect Science</i> , 2020, 27, 186-201.	3.0	77
4	Fungal Endophytes as Efficient Sources of Plant-Derived Bioactive Compounds and Their Prospective Applications in Natural Product Drug Discovery: Insights, Avenues, and Challenges. <i>Microorganisms</i> , 2021, 9, 197.	3.6	73
5	Role of nanoparticles in crop improvement and abiotic stress management. <i>Journal of Biotechnology</i> , 2021, 337, 57-70.	3.8	67
6	How to Cope with the Challenges of Environmental Stresses in the Era of Global Climate Change: An Update on ROS Stave off in Plants. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1995.	4.1	50
7	Transport of chemical signals in systemic acquired resistance. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 336-344.	8.5	46
8	Differential transcript accumulation in <i>Cicer arietinum</i> L. in response to a chewing insect <i>Helicoverpa armigera</i> and defence regulators correlate with reduced insect performance. <i>Journal of Experimental Botany</i> , 2008, 59, 2379-2392.	4.8	44
9	Silicon: its ameliorative effect on plant defense against herbivory. <i>Journal of Experimental Botany</i> , 2020, 71, 6730-6743.	4.8	38
10	NeuroPIpred: a tool to predict, design and scan insect neuropeptides. <i>Scientific Reports</i> , 2019, 9, 5129.	3.3	36
11	Potential diagnostics and therapeutic approaches in COVID-19. <i>Clinica Chimica Acta</i> , 2020, 510, 488-497.	1.1	33
12	Biocontrol Agents: Potential of Biopesticides for Integrated Pest Management. <i>Soil Biology</i> , 2019, , 413-433.	0.8	25
13	Differential transcript accumulation in chickpea during early phases of compatible interaction with a necrotrophic fungus <i>Ascochyta rabiei</i> . <i>Molecular Biology Reports</i> , 2012, 39, 4635-4646.	2.3	24
14	In silico prediction of active site and in vitro DNase and RNase activities of <i>Helicoverpa</i> -inducible pathogenesis related-4 protein from <i>Cicer arietinum</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 113, 869-880.	7.5	23
15	In-Silico Drug discovery approach targeting receptor tyrosine kinase-like orphan receptor 1 for cancer treatment. <i>Scientific Reports</i> , 2017, 7, 1029.	3.3	21
16	Fight Hard or Die Trying: Current Status of Lipid Signaling during Plant-Pathogen Interaction. <i>Plants</i> , 2021, 10, 1098.	3.5	19
17	Antiplasmodial activity of hydroxyethylamine analogs: Synthesis, biological activity and structure activity relationship of plasmeprin inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3837-3844.	3.0	17
18	Pathogenesis related proteins: A defensin for plants but an allergen for humans. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 659-672.	7.5	17

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19	Myeloid cell leukemia 1 (MCL-1): Structural characteristics and application in cancer therapy. International Journal of Biological Macromolecules, 2021, 187, 999-1018.	7.5	17
20	Genome-wide identification of the MAPK gene family in chickpea and expression analysis during development and stress response. Plant Gene, 2018, 13, 25-35.	2.3	16
21	Plant cytochrome P450s: Role in stress tolerance and potential applications for human welfare. International Journal of Biological Macromolecules, 2021, 184, 874-886.	7.5	16
22	A Comprehensive Analysis of Calmodulin-Like Proteins of Glycine max Indicates Their Role in Calcium Signaling and Plant Defense Against Insect Attack. Frontiers in Plant Science, 2022, 13, 817950.	3.6	16
23	Recent insights into the molecular mechanism of jasmonate signaling during insect-plant interaction. Australasian Plant Pathology, 2016, 45, 123-133.	1.0	14
24	Helicoverpa-inducible Thioredoxin h from Cicer arietinum: structural modeling and potential targets. International Journal of Biological Macromolecules, 2018, 109, 231-243.	7.5	13
25	Molecular Modeling of Chemosensory Protein 3 from Spodoptera litura and Its Binding Property with Plant Defensive Metabolites. International Journal of Molecular Sciences, 2020, 21, 4073.	4.1	13
26	Dynamics of Zea mays transcriptome in response to a polyphagous herbivore, Spodoptera litura. Functional and Integrative Genomics, 2021, 21, 571-592.	3.5	13
27	Expression profiling of mitogen-activated protein kinase genes from chickpea (Cicer arietinum L.) in response to Helicoverpa armigera , wounding and signaling compounds. Journal of Asia-Pacific Entomology, 2017, 20, 942-948.	0.9	12
28	Deciphering the role of miRNA in reprogramming plant responses to drought stress. Critical Reviews in Biotechnology, 2023, 43, 613-627.	9.0	12
29	Molecular Rationale of Insect-Microbes Symbiosisâ€”From Insect Behaviour to Mechanism. Microorganisms, 2021, 9, 2422.	3.6	11
30	Genome wide investigation of MAPKKs from Cicer arietinum and their involvement in plant defense against Helicoverpa armigera. Physiological and Molecular Plant Pathology, 2021, 115, 101685.	2.5	10
31	Biotic stresses on plants: reactive oxygen species generation and antioxidant mechanism. , 2021, , 381-411.		9
32	The Role of Zinc Oxide Nanoparticles in Plants: A Critical Appraisal. Nanotechnology in the Life Sciences, 2021, , 249-267.	0.6	8
33	Focusing on DNA Repair and Damage Tolerance Mechanisms in Mycobacterium tuberculosis: An Emerging Therapeutic Theme. Current Topics in Medicinal Chemistry, 2020, 20, 390-408.	2.1	8
34	Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models. Frontiers in Cellular and Infection Microbiology, 2021, 11, 806265.	3.9	7
35	Silicon: A Plant Nutritional â€œNon-Entityâ€for Mitigating Abiotic Stresses. , 2020, , 17-49.		6
36	Design and development of novel inhibitors of aldo-ketoreductase 1C1 as potential lead molecules in treatment of breast cancer. Molecular and Cellular Biochemistry, 2021, 476, 2975-2987.	3.1	5

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37	New Entrants into Clinical Trials for Targeted Therapy of Breast Cancer: An Insight. Anti-Cancer Agents in Medicinal Chemistry, 2020, 19, 2156-2176.	1.7	4
38	Functional Annotation and Classification of the Hypothetical Proteins of <i>Neisseria meningitidis</i> H44/76. American Journal of Bioscience and Bioengineering, 2015, 3, 57.	0.2	4
39	Mechanistic insights into mode of action of rice allene oxide synthase on hydroxyperoxides: An intermediate step in herbivory-induced jasmonate pathway. Computational Biology and Chemistry, 2016, 64, 227-236.	2.3	2
40	Emerging therapeutic approaches to COVID-19. Current Pharmaceutical Design, 2021, 27, 3370-3388.	1.9	2
41	Marine Flora: Source of Drugs from the Deep-Sea Environment. , 2020, , 161-181.		2
42	Harnessing phytomicrobiome signals for phytopathogenic stress management. Journal of Biosciences, 2022, 47, 1.	1.1	2
43	<i>In silico</i> validation of novel inhibitors of malarial aspartyl protease, plasmepsin V and antimalarial efficacy prediction. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8352-8364.	3.5	1
44	Transcriptomics Studies Revealing Enigma of Insect-Plant Interaction. , 2021, , 31-55.		1
45	Role of Calcium Signalling During Plantâ€™Herbivore Interaction. , 2020, , 491-510.		1
46	Seedborne Diseases and Its Management. , 2020, , 611-626.		1
47	Distinct Prognostic Values of BCL2 Anti-apoptotic Members in Lung Cancer: An In-Silico Analysis. , 2021, , 345-353.		0
48	Seed-Infesting Pests and Its Control Strategies. , 2020, , 161-183.		0
49	Integrative behavioral and ecotoxicological effects of nanoparticles. , 2022, , 311-333.		0
50	Receptor tyrosine kinase-like orphan receptors ROR1/2: Insights into the mechanism of action, inhibition, and therapeutic potential. , 2022, , 597-621.		0