Indrakant K Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3933500/publications.pdf

Version: 2024-02-01

48 papers	1,742 citations	643344 15 h-index	355658 38 g-index
50 all docs	50 docs citations	50 times ranked	2575 citing authors

#	Article	IF	Citations
1	Deciphering the role of miRNA in reprogramming plant responses to drought stress. Critical Reviews in Biotechnology, 2023, 43, 613-627.	5.1	12
2	In silicovalidation of novel inhibitors of malarial aspartyl protease, plasmepsin V and antimalarial efficacy prediction. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8352-8364.	2.0	1
3	Integrative behavioral and ecotoxicological effects of nanoparticles. , 2022, , 311-333.		0
4	How to Cope with the Challenges of Environmental Stresses in the Era of Global Climate Change: An Update on ROS Stave off in Plants. International Journal of Molecular Sciences, 2022, 23, 1995.	1.8	50
5	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.	1.7	16
6	Comparative analysis of web-based programs for single amino acid substitutions in proteins. PLoS ONE, 2022, 17, e0267084.	1.1	6
7	Receptor tyrosine kinase-like orphan receptors ROR1/2: Insights into the mechanism of action, inhibition, and therapeutic potential. , 2022, , 597-621.		0
8	Biotic stresses on plants: reactive oxygen species generation and antioxidant mechanism. , 2021, , 381-411.		9
9	Emerging therapeutic approaches to COVID-19. Current Pharmaceutical Design, 2021, 27, 3370-3388.	0.9	2
10	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.	1.4	5
11	Fight Hard or Die Trying: Current Status of Lipid Signaling during Plantâ€“Pathogen Interaction. Plants, 2021, 10, 1098.	1.6	19
12	Dynamics of Zea mays transcriptome in response to a polyphagous herbivore, Spodoptera litura. Functional and Integrative Genomics, 2021, 21, 571-592.	1.4	13
13	Genome wide investigation of MAPKKKs from Cicer arietinum and their involvement in plant defense against Helicoverpa armigera. Physiological and Molecular Plant Pathology, 2021, 115, 101685.	1.3	10
14	Efficient synthesis and antibacterial activity of N-(o-benzyloxy/hydroxyphenyl) benzohydroxamic acids. Synthetic Communications, 2021, 51, 3299-3307.	1.1	0
15	Plant cytochrome P450s: Role in stress tolerance and potential applications for human welfare. International Journal of Biological Macromolecules, 2021, 184, 874-886.	3.6	16
16	Role of nanoparticles in crop improvement and abiotic stress management. Journal of Biotechnology, 2021, 337, 57-70.	1.9	67
17	Myeloid cell leukemia 1 (MCL-1): Structural characteristics and application in cancer therapy. International Journal of Biological Macromolecules, 2021, 187, 999-1018.	3.6	17
18	Transcriptomics Studies Revealing Enigma of Insect-Plant Interaction. , 2021, , 31-55.		1

#	Article	IF	Citations
19	Molecular Rationale of Insect-Microbes Symbiosisâ€"From Insect Behaviour to Mechanism. Microorganisms, 2021, 9, 2422.	1.6	11
20	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.	1.8	7
21	Protease inhibitors: recent advancement in its usage as a potential biocontrol agent for insect pest management. Insect Science, 2020, 27, 186-201.	1.5	77
22	Pathogenesis related proteins: A defensin for plants but an allergen for humans. International Journal of Biological Macromolecules, 2020, 157, 659-672.	3.6	17
23	Potential diagnostics and therapeutic approaches in COVID-19. Clinica Chimica Acta, 2020, 510, 488-497.	0.5	33
24	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.	1.8	13
25	Insights into SARS-CoV-2 genome, structure, evolution, pathogenesis and therapies: Structural genomics approach. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165878.	1.8	770
26	Silicon: its ameliorative effect on plant defense against herbivory. Journal of Experimental Botany, 2020, 71, 6730-6743.	2.4	38
27	Silicon: A Plant Nutritional â€œNon-Entityâ€•for Mitigating Abiotic Stresses. , 2020, , 17-49.		6
28	Ecological risk of dioxin exposure. , 2020, , 143-153.		1
29	Focusing on DNA Repair and Damage Tolerance Mechanisms in Mycobacterium tuberculosis: An Emerging Therapeutic Theme. Current Topics in Medicinal Chemistry, 2020, 20, 390-408.	1.0	8
30	New Entrants into Clinical Trials for Targeted Therapy of Breast Cancer: An Insight. Anti-Cancer Agents in Medicinal Chemistry, 2020, 19, 2156-2176.	0.9	4
31	Dioxin â€“ exposure routes, pathways, and human health implications. , 2020, , 83-112.		0
32	Environmental risks and bioremediation of dioxins. , 2020, , 209-221.		0
33	Role of Calcium Signalling During Plantâ€“Herbivore Interaction. , 2020, , 491-510.		1
34	Atmospheric fate and transport of dioxins â€“ persistent organic pollutants. , 2020, , 23-33.		0
35	Biocontrol Agents: Potential of Biopesticides for Integrated Pest Management. Soil Biology, 2019, , 413-433.	0.6	25
36	Reactive oxygen species-mediated signaling during abiotic stress. Plant Gene, 2019, 18, 100173.	1.4	128

#	Article	IF	Citations
37	NeuroPIpred: a tool to predict, design and scan insect neuropeptides. Scientific Reports, 2019, 9, 5129.	1.6	36
38	In silico prediction of active site and in vitro DNase and RNase activities of Helicoverpa-inducible pathogenesis related-4 protein from Cicer arietinum. International Journal of Biological Macromolecules, 2018, 113, 869-880.	3.6	23
39	Helicoverpa-inducible Thioredoxin h from Cicer arietinum: structural modeling and potential targets. International Journal of Biological Macromolecules, 2018, 109, 231-243.	3.6	13
40	Genome-wide identification of the MAPK gene family in chickpea and expression analysis during development and stress response. Plant Gene, 2018, 13, 25-35.	1.4	16
41	Structural and functional insights into putative TAG accumulating hydrolase protein (Rv1179c) of Mycobacterium tuberculosis H37Rv. Gene Reports, 2018, 13, 66-71.	0.4	1
42	In-Silico Drug discovery approach targeting receptor tyrosine kinase-like orphan receptor 1 for cancer treatment. Scientific Reports, 2017, 7, 1029.	1.6	21
43	Comparative analysis of double-stranded RNA degradation and processing in insects. Scientific Reports, 2017, 7, 17059.	1.6	153
44	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.	0.4	12
45	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.	1.1	2
46	Recent insights into the molecular mechanism of jasmonate signaling during insect-plant interaction. Australasian Plant Pathology, 2016, 45, 123-133.	0.5	14
47	Functional Annotation and Classification of the Hypothetical Proteins of <i>Neisseria meningitides</i> H44/76. American Journal of Bioscience and Bioengineering, 2015, 3, 57.	0.2	4
48	Differential transcript accumulation in Cicer arietinum L. in response to a chewing insect Helicoverpa armigera and defence regulators correlate with reduced insect performance. Journal of Experimental Botany, 2008, 59, 2379-2392.	2.4	44