

Khawar S Siddiqui

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

3,923
citations

279798

23
h-index

302126

39
g-index

42
all docs

42
docs citations

42
times ranked

4981
citing authors

#	ARTICLE	IF	CITATIONS
1	Cannabis sativa: The Plant of the Thousand and One Molecules. <i>Frontiers in Plant Science</i> , 2016, 7, 19.	3.6	961
2	Low-temperature extremophiles and their applications. <i>Current Opinion in Biotechnology</i> , 2002, 13, 253-261.	6.6	461
3	Silicon and Plants: Current Knowledge and Technological Perspectives. <i>Frontiers in Plant Science</i> , 2017, 8, 411.	3.6	397
4	Reactive oxygen species and heavy metal stress in plants: Impact on the cell wall and secondary metabolism. <i>Environmental and Experimental Botany</i> , 2019, 161, 98-106.	4.2	302
5	Production of Plant Secondary Metabolites: Examples, Tips and Suggestions for Biotechnologists. <i>Genes</i> , 2018, 9, 309.	2.4	212
6	Silicon and the Plant Extracellular Matrix. <i>Frontiers in Plant Science</i> , 2016, 7, 463.	3.6	200
7	The genome sequence of the psychrophilic archaeon, <i>Methanococcoides burtonii</i> : the role of genome evolution in cold adaptation. <i>ISME Journal</i> , 2009, 3, 1012-1035.	9.8	178
8	Lignocellulosic biomass: Biosynthesis, degradation, and industrial utilization. <i>Engineering in Life Sciences</i> , 2016, 16, 1-16.	3.6	171
9	Psychrophiles. <i>Annual Review of Earth and Planetary Sciences</i> , 2013, 41, 87-115.	11.0	121
10	Poaceae vs. Abiotic Stress: Focus on Drought and Salt Stress, Recent Insights and Perspectives. <i>Frontiers in Plant Science</i> , 2017, 8, 1214.	3.6	99
11	Deconstructing plant biomass: Focus on fungal and extremophilic cell wall hydrolases. <i>Plant Science</i> , 2015, 234, 180-193.	3.6	71
12	Structure and Function of Cold Shock Proteins in Archaea. <i>Journal of Bacteriology</i> , 2007, 189, 5738-5748.	2.2	70
13	Studying Secondary Growth and Bast Fiber Development: The Hemp Hypocotyl Peeks behind the Wall. <i>Frontiers in Plant Science</i> , 2016, 7, 1733.	3.6	62
14	Partial and complete alteration of surface charges of carboxymethylcellulase by chemical modification: thermostabilization in water-miscible organic solvent. <i>Enzyme and Microbial Technology</i> , 1999, 24, 599-608.	3.2	50
15	Integrated -Omics: A Powerful Approach to Understanding the Heterogeneous Lignification of Fibre Crops. <i>International Journal of Molecular Sciences</i> , 2013, 14, 10958-10978.	4.1	47
16	Thermodynamic activation properties of elongation factor 2 (EF-2) proteins from psychrotolerant and thermophilic Archaea. <i>Extremophiles</i> , 2002, 6, 143-150.	2.3	46
17	The Active Site Is the Least Stable Structure in the Unfolding Pathway of a Multidomain Cold-Adapted α -Amylase. <i>Journal of Bacteriology</i> , 2005, 187, 6197-6205.	2.2	46
18	Wood biosynthesis and typologies: a molecular rhapsody. <i>Tree Physiology</i> , 2014, 34, 839-855.	3.1	44

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19	Analysis of Cell Wall-Related Genes in Organs of <i>Medicago sativa</i> L. under Different Abiotic Stresses. <i>International Journal of Molecular Sciences</i> , 2015, 16, 16104-16124.	4.1	44
20	Identification of fasciclin-like arabinogalactan proteins in textile hemp (<i>Cannabis sativa</i> L.): in silico analyses and gene expression patterns in different tissues. <i>BMC Genomics</i> , 2017, 18, 741.	2.8	41
21	Identification of Reference Genes for RT-qPCR Data Normalization in <i>Cannabis sativa</i> Stem Tissues. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1556.	4.1	36
22	A chemically modified α -amylase with a molten-globule state has entropically driven enhanced thermal stability. <i>Protein Engineering, Design and Selection</i> , 2010, 23, 769-780.	2.1	33
23	Impact of Silicon in Plant Biomass Production: Focus on Bast Fibres, Hypotheses, and Perspectives. <i>Plants</i> , 2017, 6, 37.	3.5	29
24	A Molecular Blueprint of Lignin Repression. <i>Trends in Plant Science</i> , 2019, 24, 1052-1064.	8.8	25
25	WD40-Repeat Proteins in Plant Cell Wall Formation: Current Evidence and Research Prospects. <i>Frontiers in Plant Science</i> , 2015, 6, 1112.	3.6	23
26	A new broad specificity alkaline metalloprotease from a <i>Pseudomonas</i> sp. isolated from refrigerated milk: Role of calcium in improving enzyme productivity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 113, 1-8.	1.8	19
27	Enhancement of lipase stability and productivity through chemical modification and its application to latex-based polymer emulsions. <i>Process Biochemistry</i> , 2017, 57, 131-140.	3.7	18
28	Site-directed chemically-modified magnetic enzymes: fabrication, improvements, biotechnological applications and future prospects. <i>Biotechnology Advances</i> , 2019, 37, 357-381.	11.7	18
29	Evaluating Enzymatic Productivity—The Missing Link to Enzyme Utility. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6908.	4.1	18
30	Novel Insights from Comparative In Silico Analysis of Green Microalgal Cellulases. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1782.	4.1	12
31	Extraction of High Quality RNA from <i>Cannabis sativa</i> Bast Fibres: A Vademecum for Molecular Biologists. <i>Fibers</i> , 2016, 4, 23.	4.0	11
32	Bast fibre formation: insights from Next-Generation Sequencing. <i>Procedia Engineering</i> , 2017, 200, 229-235.	1.2	11
33	Title is missing!. <i>Biotechnology Letters</i> , 1997, 11, 245-248.	0.5	10
34	17 Proteins from Psychrophiles. <i>Methods in Microbiology</i> , 2006, 35, 395-436.	0.8	9
35	Plant Fibers and Phenolics: A Review on Their Synthesis, Analysis and Combined Use for Biomaterials with New Properties. <i>Fibers</i> , 2019, 7, 80.	4.0	7
36	Identification of Callose Synthases in Stinging Nettle and Analysis of Their Expression in Different Tissues. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3853.	4.1	7

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37	Interaction of Nano-sized Nutrients with Plant Biomass: A Review. , 2018, , 135-149.		5
38	Expression Analysis of Cell Wall-Related Genes in Cannabis sativa: The â€œIns and Outsâ€•of Hemp Stem Tissue Development. Fibers, 2018, 6, 27.	4.0	3
39	Computational Analysis of Thermal Adaptation in Extremophilic Chitinases: The Achillesâ€™ Heel in Protein Structure and Industrial Utilization. Molecules, 2021, 26, 707.	3.8	3
40	Automation of compartmental electrophoresis apparatus for the separation of non-covalently attached polysaccharides from proteins. Enzyme and Microbial Technology, 1998, 22, 76-77.	3.2	2
41	Biotechnological Improvements of Cold-Adapted Enzymes: Commercialization via an Integrated Approach. , 2017, , 477-512.		1
42	How to store plant tissues in the absence of liquid nitrogen? Ethanol preserves the RNA integrity of Cannabis sativa stem tissues. AIMS Molecular Science, 2016, 3, 560-566.	0.5	0