

Daniel Auguin

List of Publications by Year in descending order

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34
papers

1,051
citations

471509

17
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434195

31
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all docs

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docs citations

39
times ranked

1429
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into Populus XIP aquaporins: evolutionary expansion, protein functionality, and environmental regulation. <i>Journal of Experimental Botany</i> , 2012, 63, 2217-2230.	4.8	101
2	Hypertrophic cardiomyopathy disease results from disparate impairments of cardiac myosin function and auto-inhibition. <i>Nature Communications</i> , 2018, 9, 4019.	12.8	91
3	Inhibition of Akt Kinase Activity by a Peptide Spanning the Î²A Strand of the Proto-oncogene TCL1. <i>Journal of Biological Chemistry</i> , 2004, 279, 53407-53418.	3.4	84
4	Beneficial effect of <i>Trichoderma harzianum</i> strain Ths97 in biocontrolling <i>Fusarium solani</i> causal agent of root rot disease in olive trees. <i>Biological Control</i> , 2017, 110, 70-78.	3.0	83
5	A genome-wide analysis of the flax (<i>Linum usitatissimum</i> L.) dirigent protein family: from gene identification and evolution to differential regulation. <i>Plant Molecular Biology</i> , 2018, 97, 73-101.	3.9	66
6	Nettle (<i>Urtica dioica</i> L.) as a source of antioxidant and anti-aging phytochemicals for cosmetic applications. <i>Comptes Rendus Chimie</i> , 2016, 19, 1090-1100.	0.5	64
7	<i>Plasmodium</i> myosin A drives parasite invasion by an atypical force generating mechanism. <i>Nature Communications</i> , 2019, 10, 3286.	12.8	49
8	Structural Basis for the Co-activation of Protein Kinase B by T-cell Leukemia-1 (TCL1) Family Proto-oncoproteins. <i>Journal of Biological Chemistry</i> , 2004, 279, 35890-35902.	3.4	47
9	Solution Structure and Backbone Dynamics of the Pleckstrin Homology Domain of the Human Protein Kinase B (PKB/Akt). Interaction with Inositol Phosphates. <i>Journal of Biomolecular NMR</i> , 2004, 28, 137-155.	2.8	47
10	Pinoresinol and lariciresinol reductases, key to the lignan synthesis in plants. <i>Planta</i> , 2019, 249, 1695-1714.	3.2	46
11	Functional characterization of the pinoresinol and lariciresinol reductase-2 gene reveals its roles in yatein biosynthesis and flax defense response. <i>Planta</i> , 2017, 246, 405-420.	3.2	35
12	Molecular Mechanistic Insights into <i>Drosophila</i> DHX36-Mediated G-Quadruplex Unfolding: A Structure-Based Model. <i>Structure</i> , 2018, 26, 403-415.e4.	3.3	35
13	Role of protein farnesylation events in the ABA-mediated regulation of the Pinoresinol and Lariciresinol Reductase 1 (LuPLR1) gene expression and lignan biosynthesis in flax (<i>Linum usitatissimum</i> L.). <i>Plant Physiology and Biochemistry</i> , 2013, 72, 96-111.	5.8	25
14	Structure of the <i>Mycobacterium tuberculosis</i> OmpATb protein: A model of an oligomeric channel in the mycobacterial cell wall. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 645-661.	2.6	24
15	Functional Divergence of Poplar Histidine-Aspartate Kinase HK1 Paralogs in Response to Osmotic Stress. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2061.	4.1	24
16	The actomyosin interface contains an evolutionary conserved core and an ancillary interface involved in specificity. <i>Nature Communications</i> , 2021, 12, 1892.	12.8	23
17	The control exerted by ABA on lignan biosynthesis in flax (<i>Linum usitatissimum</i> L.) is modulated by a Ca ²⁺ signal transduction involving the calmodulin-like LuCML15b. <i>Journal of Plant Physiology</i> , 2019, 236, 74-87.	3.5	21
18	The Solution Structure of the Adhesion Protein Bd37 from <i>Babesia divergens</i> Reveals Structural Homology with Eukaryotic Proteins Involved in Membrane Trafficking. <i>Journal of Molecular Biology</i> , 2008, 375, 409-424.	4.2	19

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19	Aquaporins and water control in drought-stressed poplar leaves: A glimpse into the extraxylem vascular territories. <i>Environmental and Experimental Botany</i> , 2019, 162, 25-37.	4.2	19
20	Full-length Plasmodium falciparum myosin A and essential light chain PfELC structures provide new anti-malarial targets. <i>ELife</i> , 2020, 9, .	6.0	19
21	Voltage-gating of aquaporins, a putative conserved safety mechanism during ionic stresses. <i>FEBS Letters</i> , 2021, 595, 41-57.	2.8	18
22	In silico study of wall-associated kinase family reveals large-scale genomic expansion potentially connected with functional diversification in Populus. <i>Tree Genetics and Genomes</i> , 2014, 10, 1135-1147.	1.6	17
23	The Hevea brasiliensis XIP aquaporin subfamily: genomic, structural and functional characterizations with relevance to intensive latex harvesting. <i>Plant Molecular Biology</i> , 2016, 91, 375-396.	3.9	16
24	Characterization of LuWRKY36, a flax transcription factor promoting secoisolariciresinol biosynthesis in response to Fusarium oxysporum elicitors in Linum usitatissimum L. hairy roots. <i>Planta</i> , 2019, 250, 347-366.	3.2	15
25	Insights into B-type RR members as signaling partners acting downstream of HPt partners of HK1 in the osmotic stress response in Populus. <i>Plant Physiology and Biochemistry</i> , 2015, 94, 244-252.	5.8	11
26	MIP diversity from Trichoderma: Structural considerations and transcriptional modulation during mycoparasitic association with Fusarium solani olive trees. <i>PLoS ONE</i> , 2018, 13, e0193760.	2.5	10
27	Noncanonical Function of AGO2 Augments T-cell Receptor Signaling in T-cell Prolymphocytic Leukemia. <i>Cancer Research</i> , 2022, 82, 1818-1831.	0.9	9
28	Crystal structures of N-terminally truncated telomerase reverse transcriptase from fungi. <i>Nucleic Acids Research</i> , 2021, 49, 4768-4781.	14.5	7
29	Superposition of chemical shifts in NMR spectra can be overcome to determine automatically the structure of a protein. <i>Spectroscopy</i> , 2003, 17, 559-568.	0.8	5
30	Unraveling protein dynamics through fast spectral density mapping. <i>Journal of Biomolecular NMR</i> , 2007, 37, 159-177.	2.8	5
31	¹ H, ¹⁵ N and ¹³ C chemical shift assignments of the Pleckstrin Homology domain of the Human Protein Kinase B (PKB/Akt). <i>Journal of Biomolecular NMR</i> , 2003, 27, 287-288.	2.8	3
32	Fungal X-Intrinsic Protein Aquaporin from Trichoderma atroviride: Structural and Functional Considerations. <i>Biomolecules</i> , 2021, 11, 338.	4.0	3
33	A Perspective for Multiple Sclerosis Disease: In Silico Investigations of Dexamethasone as a Direct Modulator of AQP2. <i>Biomolecules</i> , 2022, 12, 511.	4.0	2
34	Structural Studies of the Complex Between Akt-in and the Akt2-PH Domain Suggest that the Peptide Acts as an Allosteric Inhibitor of the Akt Kinase. <i>The Open Spectroscopy Journal</i> , 2009, 3, 65-76.	1.0	1