

Aloysius Wong

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,467
citations

361045

20
h-index

329751

37
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48
all docs

48
docs citations

48
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric Oxide: A Multitasked Signaling Gas in Plants. <i>Molecular Plant</i> , 2015, 8, 506-520.	3.9	366
2	Assessing the Risk of Probiotic Dietary Supplements in the Context of Antibiotic Resistance. <i>Frontiers in Microbiology</i> , 2017, 8, 908.	1.5	125
3	Detection of antibiotic resistance in probiotics of dietary supplements. <i>Nutrition Journal</i> , 2015, 14, 95.	1.5	88
4	Conserved Functional Motifs and Homology Modeling to Predict Hidden Moonlighting Functional Sites. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 82.	2.0	57
5	An <i>Arabidopsis thaliana</i> leucine-rich repeat protein harbors an adenylyl cyclase catalytic center and affects responses to pathogens. <i>Journal of Plant Physiology</i> , 2019, 232, 12-22.	1.6	56
6	The <i>Arabidopsis thaliana</i> K ⁺ -uptake permease 7 (AtKUP7) contains a functional cytosolic adenylyl cyclase catalytic centre. <i>FEBS Letters</i> , 2015, 589, 3848-3852.	1.3	54
7	The <i>Arabidopsis thaliana</i> K ⁺ -Uptake Permease 5 (AtKUP5) Contains a Functional Cytosolic Adenylyl Cyclase Essential for K ⁺ Transport. <i>Frontiers in Plant Science</i> , 2018, 9, 1645.	1.7	53
8	A Guide to Transient Expression of Membrane Proteins in HEK-293 Cells for Functional Characterization. <i>Frontiers in Physiology</i> , 2016, 7, 300.	1.3	44
9	The brassinosteroid receptor <i>BRI1</i> can generate cGMP enabling cGMP-dependent downstream signaling. <i>Plant Journal</i> , 2017, 91, 590-600.	2.8	44
10	An <i>Arabidopsis</i> Clathrin Assembly Protein with a Predicted Role in Plant Defense Can Function as an Adenylyl Cyclase. <i>Biomolecules</i> , 2018, 8, 15.	1.8	44
11	The <i>Arabidopsis thaliana</i> proteome harbors undiscovered multi-domain molecules with functional guanylyl cyclase catalytic centers. <i>Cell Communication and Signaling</i> , 2013, 11, 48.	2.7	42
12	Advanced Cataloging of Lysine-63 Polyubiquitin Networks by Genomic, Interactome, and Sensor-Based Proteomic Analyses. <i>Plant Cell</i> , 2020, 32, 123-138.	3.1	34
13	Growth and development of <i>Arabidopsis thaliana</i> under single-wavelength red and blue laser light. <i>Scientific Reports</i> , 2016, 6, 33885.	1.6	31
14	Discovery of Novel Functional Centers With Rationally Designed Amino Acid Motifs. <i>Computational and Structural Biotechnology Journal</i> , 2018, 16, 70-76.	1.9	31
15	Probiotic Supplements: Hope or Hype?. <i>Frontiers in Microbiology</i> , 2020, 11, 160.	1.5	31
16	IRAK3 modulates downstream innate immune signalling through its guanylate cyclase activity. <i>Scientific Reports</i> , 2019, 9, 15468.	1.6	30
17	Cyclic Nucleotide Monophosphates in Plants and Plant Signaling. <i>Handbook of Experimental Pharmacology</i> , 2015, 238, 87-103.	0.9	28
18	Towards a tailored indoor horticulture: a functional genomics guided phenotypic approach. <i>Horticulture Research</i> , 2018, 5, 68.	2.9	26

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19	Functional Crypto-Adenylate Cyclases Operate in Complex Plant Proteins. <i>Frontiers in Plant Science</i> , 2021, 12, 711749.	1.7	26
20	Direct Modulation of the Guard Cell Outward-Rectifying Potassium Channel (GORK) by Abscisic Acid. <i>Molecular Plant</i> , 2017, 10, 1469-1472.	3.9	25
21	GCPred: a web tool for guanylyl cyclase functional centre prediction from amino acid sequence. <i>Bioinformatics</i> , 2018, 34, 2134-2135.	1.8	24
22	New Perspectives on Plant Adenylyl Cyclases. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 136.	1.6	24
23	Computational Identification of Candidate Nucleotide Cyclases in Higher Plants. <i>Methods in Molecular Biology</i> , 2013, 1016, 195-205.	0.4	19
24	Exploring the Arabidopsis Proteome: Influence of Protein Solubilization Buffers on Proteome Coverage. <i>International Journal of Molecular Sciences</i> , 2015, 16, 857-870.	1.8	19
25	PlantMP: a database for moonlighting plant proteins. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	19
26	The <i>Arabidopsis</i> Diacylglycerol Kinase 4 is involved in nitric oxide-dependent pollen tube guidance and fertilization. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	19
27	A tandem motif-based and structural approach can identify hidden functional phosphodiesterases. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 970-975.	1.9	15
28	Discovery of a Nitric Oxide-Responsive Protein in <i>Arabidopsis thaliana</i> . <i>Molecules</i> , 2019, 24, 2691.	1.7	14
29	Identification of potential nitric oxide-sensing proteins using the H-NOX motif. <i>Molecular Plant</i> , 2021, 14, 195-197.	3.9	11
30	Nitric oxide sensing revisited. <i>Trends in Plant Science</i> , 2021, 26, 885-897.	4.3	10
31	Assessing the drug resistance profiles of oral probiotic lozenges. <i>Journal of Oral Microbiology</i> , 2022, 14, 2019992.	1.2	10
32	Computational Identification of Functional Centers in Complex Proteins: A Step-by-Step Guide With Examples. <i>Frontiers in Bioinformatics</i> , 2021, 1, .	1.0	8
33	In Search of Monocot Phosphodiesterases: Identification of a Calmodulin Stimulated Phosphodiesterase from <i>Brachypodium distachyon</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 9654.	1.8	7
34	Editorial: Antimicrobial Resistance Along the Food Chain: Are We What We Eat?. <i>Frontiers in Microbiology</i> , 2022, 13, 881882.	1.5	7
35	Bioinformatic Analysis of Nucleotide Cyclase Functional Centers and Development of ACPred Webserver. , 2018, , .		6
36	A collective statement in support of saving pangolins. <i>Science of the Total Environment</i> , 2022, 824, 153666.	3.9	6

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37	In Vitro Characterization of Guanylyl Cyclase BdPepR2 from <i>Brachypodium distachyon</i> Identified through a Motif-Based Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6243.	1.8	4
38	Citrullination of Proteins as a Specific Response Mechanism in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 638392.	1.7	3
39	The inhibition of acetylcholinesterase by a brain-targeting polylysine-ApoE peptide: biochemical and structural characterizations. , 2018, 2018, 155-158.		2
40	Abscisic acid (ABA) signaling: finding novel components off the beaten track. <i>Plant Growth Regulation</i> , 2022, 97, 585-592.	1.8	2
41	<i>Brachypodium distachyon</i> ERECTA-like1 protein kinase is a functional guanylyl cyclase. <i>Frontiers in Bioscience - Elite</i> , 2021, 13, 249.	0.9	1
42	New Horizons in Plant Cell Signaling. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5826.	1.8	1
43	Bioinformatic analysis of nucleotide cyclase functional centers and development of ACpred webserver. <i>ACM SIGBioinformatics Record</i> , 2018, 8, 1-8.	0.3	0