

Binghua Wu

List of Publications by Year in descending order

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36
papers

1,442
citations

516710

16
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

1875
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Two BAHD Acetyltransferases Highly Expressed in the Flowers of <i>Jasminum sambac</i> (L.) Aiton. <i>Plants</i> , 2022, 11, 13.	3.5	7
2	Role of gibberellin and its three GID1 receptors in <i>Jasminum sambac</i> stem elongation and flowering. <i>Planta</i> , 2022, 255, 17.	3.2	13
3	Genome-Wide Identification and Expression Analysis of Chitinase-like Genes in <i>Petunia axillaris</i> . <i>Plants</i> , 2022, 11, 1269.	3.5	3
4	Early transcriptional response of terpenoid metabolism to <i>Colletotrichum gloeosporioides</i> in a resistant wild strawberry <i>Fragaria nilgerrensis</i> . <i>Phytochemistry</i> , 2021, 181, 112590.	2.9	20
5	Protoplast Isolation, Fusion, Culture and Transformation in the Woody Plant <i>Jasminum</i> spp.. <i>Agriculture (Switzerland)</i> , 2021, 11, 699.	3.1	10
6	A fluorescent screening method for optimization of conotoxin expression in <i>Pichia pastoris</i> . <i>Biotechnology and Applied Biochemistry</i> , 2021, , .	3.1	0
7	Patterns of Expansion and Expression Divergence of the Polygalacturonase Gene Family in <i>Brassica oleracea</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 5706.	4.1	8
8	Dual-Localized WHIRLY1 Affects Salicylic Acid Biosynthesis via Coordination of ISOCHORISMATE SYNTHASE1, PHENYLALANINE AMMONIA LYASE1, and <i>S</i> -ADENOSYL-L-METHIONINE-DEPENDENT METHYLTRANSFERASE1. <i>Plant Physiology</i> , 2020, 184, 1884-1899.	4.8	24
9	Sugar and Hormone Dynamics and the Expression Profiles of SUT/SUC and SWEET Sugar Transporters during Flower Development in <i>Petunia axillaris</i> . <i>Plants</i> , 2020, 9, 1770.	3.5	14
10	Genome-Wide Identification and Characterization of UTR-Introns of <i>Citrus sinensis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 3088.	4.1	5
11	Cloning and Functional Assessments of Floral-Expressed SWEET Transporter Genes from <i>Jasminum sambac</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 4001.	4.1	18
12	MORF9 Functions in Plastid RNA Editing with Tissue Specificity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4635.	4.1	15
13	Expression Pattern of FT/TFL1 and miR156-Targeted SPL Genes Associated with Developmental Stages in <i>Dendrobium catenatum</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2725.	4.1	16
14	Characterization of JsWOX1 and JsWOX4 during Callus and Root Induction in the Shrub Species <i>Jasminum sambac</i> . <i>Plants</i> , 2019, 8, 79.	3.5	10
15	Phosphorylation of WHIRLY1 by CIPK14 Shifts Its Localization and Dual Functions in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2017, 10, 749-763.	8.3	76
16	Structure of Pigment Metabolic Pathways and Their Contributions to White Tepal Color Formation of Chinese <i>Narcissus tazetta</i> var. <i>chinensis</i> cv <i>Jinzhangyintai</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 1923.	4.1	17
17	Identity of a <i>Plasmodium</i> lactate/H ⁺ symporter structurally unrelated to human transporters. <i>Nature Communications</i> , 2015, 6, 6284.	12.8	62
18	The arginine-facing amino acid residue of the rat aquaporin 1 constriction determines solute selectivity according to its size and lipophilicity. <i>Molecular Membrane Biology</i> , 2014, 31, 228-238.	2.0	10

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19	Aquaporins with anion/monocarboxylate permeability: mechanisms, relevance for pathogen-host interactions. <i>Frontiers in Pharmacology</i> , 2014, 5, 199.	3.5	33
20	Parasite aquaporins: Current developments in drug facilitation and resistance. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1566-1573.	2.4	36
21	Structural determinants of the hydrogen peroxide permeability of aquaporins. <i>FEBS Journal</i> , 2014, 281, 647-656.	4.7	151
22	Specific aquaporins increase the ammonia tolerance of a <i>Saccharomyces cerevisiae</i> mep1-3fps1 deletion strain. <i>Molecular Membrane Biology</i> , 2013, 30, 43-51.	2.0	4
23	Fluorescent In Situ Folding Control for Rapid Optimization of Cell-Free Membrane Protein Synthesis. <i>PLoS ONE</i> , 2012, 7, e42186.	2.5	21
24	Enhancement of Proton Conductance by Mutations of the Selectivity Filter of Aquaporin-1. <i>Journal of Molecular Biology</i> , 2011, 407, 607-620.	4.2	61
25	Requirement for asparagine in the aquaporin NPA sequence signature motifs for cation exclusion. <i>FEBS Journal</i> , 2011, 278, 740-748.	4.7	45
26	Functional and evolutionary implications of natural channel-enzyme fusion proteins. <i>Biomolecular Concepts</i> , 2011, 2, 439-444.	2.2	2
27	Novel Channel Enzyme Fusion Proteins Confer Arsenate Resistance. <i>Journal of Biological Chemistry</i> , 2010, 285, 40081-40087.	3.4	45
28	Concerted action of two cation filters in the aquaporin water channel. <i>EMBO Journal</i> , 2009, 28, 2188-2194.	7.8	84
29	In Vitro Analysis and Modification of Aquaporin Pore Selectivity. <i>Handbook of Experimental Pharmacology</i> , 2009, , 77-92.	1.8	17
30	A yeast-based phenotypic screen for aquaporin inhibitors. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 717-720.	2.8	16
31	Microwave-Assisted Ring Opening of Epoxides: A General Route to the Synthesis of 1-Aminopropan-2-ols with Anti Malaria Parasite Activities. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4243-4249.	6.4	57
32	Limited genetic diversity of the <i>Plasmodium falciparum</i> aquaglyceroporin gene. <i>Molecular and Biochemical Parasitology</i> , 2007, 156, 255-257.	1.1	9
33	Ammonia permeability of the aquaglyceroporins from <i>Plasmodium falciparum</i> , <i>Toxoplasma gondii</i> and <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2006, 61, 1598-1608.	2.5	80
34	Point mutations in the aromatic/arginine region in aquaporin 1 allow passage of urea, glycerol, ammonia, and protons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 269-274.	7.1	300
35	Homo- and Hetero-oligomerization of Ammonium Transporter-1 NH ₄ ⁺ Uniporters. <i>Journal of Biological Chemistry</i> , 2003, 278, 45603-45610.	3.4	153
36	Mutational analysis of the "NPA motifs" in the <i>Burkholderia aquaglyceroporin</i> . , 0, 2007, .		0