

Pengwei Wang

List of Publications by Year in descending order

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52
papers

1,750
citations

304743

22
h-index

302126

39
g-index

54
all docs

54
docs citations

54
times ranked

2284
citing authors

#	ARTICLE	IF	CITATIONS
1	The Plant Cytoskeleton, NET3C, and VAP27 Mediate the Link between the Plasma Membrane and Endoplasmic Reticulum. <i>Current Biology</i> , 2014, 24, 1397-1405.	3.9	180
2	Plant Endoplasmic Reticulumâ€“Plasma Membrane Contact Sites. <i>Trends in Plant Science</i> , 2017, 22, 289-297.	8.8	122
3	Plant <scp>VAP</scp>27 proteins: domain characterization, intracellular localization and role in plant development. <i>New Phytologist</i> , 2016, 210, 1311-1326.	7.3	110
4	Putting the Squeeze on Plasmodesmata: A Role for Reticulons in Primary Plasmodesmata Formation. <i>Plant Physiology</i> , 2015, 168, 1563-1572.	4.8	89
5	Plant AtEH/Pan1 proteins drive autophagosome formation at ER-PM contact sites with actin and endocytic machinery. <i>Nature Communications</i> , 2019, 10, 5132.	12.8	86
6	Arabidopsis SYT1 maintains stability of cortical endoplasmic reticulum networks and VAP27-1-enriched endoplasmic reticulumâ€“plasma membrane contact sites. <i>Journal of Experimental Botany</i> , 2016, 67, 6161-6171.	4.8	84
7	Arabidopsis NAP1 Regulates the Formation of Autophagosomes. <i>Current Biology</i> , 2016, 26, 2060-2069.	3.9	83
8	Tea polyphenols alleviate motor impairments, dopaminergic neuronal injury, and cerebral Î±-synuclein aggregation in MPTP-intoxicated parkinsonian monkeys. <i>Neuroscience</i> , 2015, 286, 383-392.	2.3	81
9	A Model Based on Convolutional Neural Network for Online Transaction Fraud Detection. <i>Security and Communication Networks</i> , 2018, 2018, 1-9.	1.5	62
10	A Novel Method for Calculating Service Reputation. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013, 10, 634-642.	5.2	56
11	The effect of transportation of broilers during summer on the expression of heat shock protein 70, postmortem metabolism and meat quality1. <i>Journal of Animal Science</i> , 2015, 93, 62-70.	0.5	56
12	Automatic Web Service Composition Based on Uncertainty Execution Effects. <i>IEEE Transactions on Services Computing</i> , 2016, 9, 551-565.	4.6	49
13	KMS1 and KMS2, two plant endoplasmic reticulum proteins involved in the early secretory pathway. <i>Plant Journal</i> , 2011, 66, 613-628.	5.7	45
14	Red light-induced kumquat fruit coloration is attributable to increased carotenoid metabolism regulated by FcrNAC22. <i>Journal of Experimental Botany</i> , 2021, 72, 6274-6290.	4.8	42
15	Reduced functionality of PSE-like chicken breast meat batter resulting from alterations in protein conformation. <i>Poultry Science</i> , 2015, 94, 111-122.	3.4	40
16	Design and Implementation of a Web-Service-Based Public-Oriented Personalized Health Care Platform. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2013, 43, 941-957.	9.3	39
17	A NAC transcription factor and its interaction protein hinder abscisic acid biosynthesis by synergistically repressing NCED5 in <i>Citrus reticulata</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 3613-3625.	4.8	39
18	A novel plant actin-microtubule bridging complex regulates cytoskeletal and ER structure at ER-PM contact sites. <i>Current Biology</i> , 2021, 31, 1251-1260.e4.	3.9	37

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19	Automated web service composition supporting conditional branch structures. <i>Enterprise Information Systems</i> , 2014, 8, 121-146.	4.7	35
20	Interactions between plant endomembrane systems and the actin cytoskeleton. <i>Frontiers in Plant Science</i> , 2015, 6, 422.	3.6	35
21	Elevated HOXB9 expression promotes differentiation and predicts a favourable outcome in colon adenocarcinoma patients. <i>British Journal of Cancer</i> , 2014, 111, 883-893.	6.4	32
22	NETWORKED 3B: a novel protein in the actin cytoskeleton-endoplasmic reticulum interaction. <i>Journal of Experimental Botany</i> , 2017, 68, 1441-1450.	4.8	29
23	Illuminating the cells: transient transformation of citrus to study gene functions and organelle activities related to fruit quality. <i>Horticulture Research</i> , 2021, 8, 175.	6.3	28
24	A glossary of plant cell structures: Current insights and future questions. <i>Plant Cell</i> , 2022, 34, 10-52.	6.6	27
25	Connecting membranes to the actin cytoskeleton. <i>Current Opinion in Plant Biology</i> , 2017, 40, 71-76.	7.1	26
26	MTV proteins unveil ER- and microtubule-associated compartments in the plant vacuolar trafficking pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9884-9895.	7.1	23
27	CsMYB96 confers resistance to water loss in citrus fruit by simultaneous regulation of water transport and wax biosynthesis. <i>Journal of Experimental Botany</i> , 2022, 73, 953-966.	4.8	20
28	The n-terminal 5-MER peptide analogue P165 of amyloid precursor protein exerts protective effects on SH-SY5Y cells and rat hippocampus neuronal synapses. <i>Neuroscience</i> , 2011, 173, 169-178.	2.3	19
29	An Indexing Network: Model and Applications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014, 44, 1633-1648.	9.3	14
30	Effect of Mn Content on Microstructure and Mechanical Properties of Weld Metal During High Heat Input Welding Processes. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 2947-2953.	2.5	14
31	Plant ER-PM Contact Sites in Endocytosis and Autophagy: Does the Local Composition of Membrane Phospholipid Play a Role?. <i>Frontiers in Plant Science</i> , 2019, 10, 23.	3.6	13
32	Topic-Oriented Exploratory Search Based on an Indexing Network. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 234-247.	9.3	12
33	Isolation and comparative proteomic analysis of mitochondria from the pulp of ripening citrus fruit. <i>Horticulture Research</i> , 2021, 8, 31.	6.3	12
34	Optimization of Two-Step Cotton Scouring with β -Cyclodextrin and Alkaline Pectinase. <i>Engineering in Life Sciences</i> , 2008, 8, 339-343.	3.6	11
35	A comparative study of heat shock protein 70 in normal and PSE (pale, soft, exudative)-like muscle from broiler chickens. <i>Poultry Science</i> , 2016, 95, 2391-2396.	3.4	11
36	Autophagosome Biogenesis in Plants: An Actin Cytoskeleton Perspective. <i>Trends in Plant Science</i> , 2020, 25, 850-858.	8.8	11

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37	A Relational Taxonomy of Services for Large Scale Service Repositories. , 2012, , .		9
38	Light microscopy of the endoplasmic reticulumâ€‘membrane contact sites in plants. Journal of Microscopy, 2020, 280, 134-139.	1.8	9
39	Cytological and proteomic evidence reveals the involvement of mitochondria in hypoxia-induced quality degradation in postharvest citrus fruit. Food Chemistry, 2022, 375, 131833.	8.2	9
40	Membrane contact sites and cytoskeletonâ€‘membrane interactions in autophagy. FEBS Letters, 2022, 596, 2093-2103.	2.8	8
41	An efficient transient gene expression system for protein subcellular localization assay and genome editing in citrus protoplasts. Horticultural Plant Journal, 2023, 9, 425-436.	5.0	8
42	Plant cytoskeletons and the endoplasmic reticulum network organization. Journal of Plant Physiology, 2021, 264, 153473.	3.5	7
43	Labeling the ER for Light and Fluorescence Microscopy. Methods in Molecular Biology, 2018, 1691, 1-14.	0.9	6
44	The Morphological Diversity of Plant Organs: Manipulating the Organization of Microtubules May Do the Trick. Frontiers in Cell and Developmental Biology, 2021, 9, 649626.	3.7	6
45	Chemical compositions and antiproliferation activities of the chloroform fraction from <i>Pyropolyporus fomentarius</i> in K562 cells. Human and Experimental Toxicology, 2015, 34, 732-743.	2.2	5
46	Characterization of Proteins Localized to Plant ER-PM Contact Sites. Methods in Molecular Biology, 2018, 1691, 23-31.	0.9	4
47	The ER network, peroxisomes and actin cytoskeleton exhibit dramatic alterations during somatic embryogenesis of cultured citrus cells. Plant Cell, Tissue and Organ Culture, 2022, 148, 259-270.	2.3	3
48	Synthesis and crystal structure of three mixed-ligand silver(I) complexes constructed from 1,2-Di(4-pyridyl)ethylene and different organic carboxylate anions. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 194-200.	1.0	1
49	A Novel Plant Actin-Microtubule Bridging Complex Regulates Cytoskeletal and ER Structure at Endoplasmic Reticulum-Plasma Membrane Contact Sites (EPCS). SSRN Electronic Journal, 0, , .	0.4	1
50	Design of wireless sensor node based on a novel hybrid chemical sensor for heavy metal monitoring. , 2011, , .		0
51	Quality monitor in multi-operation machining processes based on wavelet filtering. , 2012, , .		0
52	Probabilistic Prediction of Elastic Parameters Constrained by Sparse Lithology Prior. , 2022, , .		0