

Vivien Rolland

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,128
citations

687363

13
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	The Tumor Suppressors Brat and Numb Regulate Transit-Amplifying Neuroblast Lineages in <i>Drosophila</i> . <i>Developmental Cell</i> , 2008, 14, 535-546.	7.0	390
2	Identification of novel regulatory factor X (RFX) target genes by comparative genomics in <i>Drosophila</i> species. <i>Genome Biology</i> , 2007, 8, R195.	9.6	97
3	Cyanobacterial CO ₂ -concentrating mechanism components: function and prospects for plant metabolic engineering. <i>Current Opinion in Plant Biology</i> , 2016, 31, 1-8.	7.1	90
4	Expression of 16 Nitrogenase Proteins within the Plant Mitochondrial Matrix. <i>Frontiers in Plant Science</i> , 2017, 8, 287.	3.6	87
5	Up-regulation of lipid biosynthesis increases the oil content in leaves of <i>Sorghum bicolor</i> . <i>Plant Biotechnology Journal</i> , 2019, 17, 220-232.	8.3	75
6	Bile Acid Sodium Symporter BASS6 Can Transport Glycolate and Is Involved in Photorespiratory Metabolism in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2017, 29, 808-823.	6.6	56
7	Redirecting the Cyanobacterial Bicarbonate Transporters BicA and SbtA to the Chloroplast Envelope: Soluble and Membrane Cargos Need Different Chloroplast Targeting Signals in Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 185.	3.6	54
8	Acceptable symbiont cell size differs among cnidarian species and may limit symbiont diversity. <i>ISME Journal</i> , 2017, 11, 1702-1712.	9.8	53
9	Comparative Lipidomics and Proteomics of Lipid Droplets in the Mesocarp and Seed Tissues of Chinese Tallow (<i>Triadica sebifera</i>). <i>Frontiers in Plant Science</i> , 2017, 8, 1339.	3.6	37
10	Easy Come, Easy Go: Capillary Forces Enable Rapid Refilling of Embolized Primary Xylem Vessels. <i>Plant Physiology</i> , 2015, 168, 1636-1647.	4.8	33
11	A MEM1-like motif directs mesophyll cell-specific expression of the gene encoding the C ₄ carbonic anhydrase in <i>Flaveria</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 311-320.	4.8	24
12	I see the light! Fluorescent proteins suitable for cell wall/apoplast targeting in <i>Nicotiana benthamiana</i> leaves. <i>Plant Direct</i> , 2019, 3, e00112.	1.9	22
13	Identification of Genes Involved in Lipid Biosynthesis through de novo Transcriptome Assembly from <i>Cocos nucifera</i> Developing Endosperm. <i>Plant and Cell Physiology</i> , 2019, 60, 945-960.	3.1	20
14	The splicing co-factor Barricade/Tat-SF1, is required for cell cycle and lineage progression in <i>Drosophila</i> neural stem cells. <i>Development (Cambridge)</i> , 2017, 144, 3932-3945.	2.5	14
15	Loss of the Chloroplast Transit Peptide from an Ancestral C ₃ Carbonic Anhydrase Is Associated with C ₄ Evolution in the Grass Genus <i>Neurachne</i> . <i>Plant Physiology</i> , 2017, 173, 1648-1658.	4.8	12
16	Determining the Subcellular Localization of Fluorescently Tagged Proteins Using Protoplasts Extracted from Transiently Transformed <i>Nicotiana benthamiana</i> Leaves. <i>Methods in Molecular Biology</i> , 2018, 1770, 263-283.	0.9	10
17	New methods for confocal imaging of infection threads in crop and model legumes. <i>Plant Methods</i> , 2021, 17, 24.	4.3	10
18	HairNet: a deep learning model to score leaf hairiness, a key phenotype for cotton fibre yield, value and insect resistance. <i>Plant Methods</i> , 2022, 18, 8.	4.3	9

#	ARTICLE	IF	CITATIONS
19	<scp><i>Sesamum indicum</i></scp> Oleosin L improves oil packaging in <i>Nicotiana benthamiana</i> leaves. <i>Plant Direct</i> , 2021, 5, e343.	1.9	7
20	Cotton Breeding in Australia: Meeting the Challenges of the 21st Century. <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	7
21	Setting sub-organellar sights: accurate targeting of multi-transmembrane-domain proteins to specific chloroplast membranes. <i>Journal of Experimental Botany</i> , 2017, 68, 5013-5016.	4.8	6
22	Selection for early shoot vigour in wheat increases root hair length but reduces epidermal cell size of roots and leaves. <i>Journal of Experimental Botany</i> , 2022, 73, 2499-2510.	4.8	6
23	Comparison of non-subjective relative fungal biomass measurements to quantify the <i>Leptosphaeria maculans</i> – <i>Brassica napus</i> interaction. <i>Plant Methods</i> , 2021, 17, 122.	4.3	5
24	Biomass Prediction with 3D Point Clouds from LiDAR. , 2022, , .		4