InÃªs Carqueijeiro

List of Publications by Year
in descending order

29 papers	1,450 citations	567281 15 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	1796 citing authors

#	Article	IF	Citations
1	Isolation of Specialized Plant Cells by Fluorescence-Activated Cell Sorting. Methods in Molecular Biology, 2022, 2469, 193-200.	0.9	3
2	Evaluation of type-B RR dimerization in poplar: A mechanism to preserve signaling specificity?. Plant Science, 2021, 313, 111068.	3.6	3
3	Alternative splicing creates a pseudo-strictosidine Î²-<scp>d</scp>-glucosidase modulating alkaloid synthesis in <i>Catharanthus roseus</i>. Plant Physiology, 2021, 185, 836-856.	4.8	19
4	Tonoplast and Peroxisome Targeting of Î³-tocopherol N-methyltransferase Homologs Involved in the Synthesis of Monoterpene Indole Alkaloids. Plant and Cell Physiology, 2021, , .	3.1	0
5	Beyond the semi-synthetic artemisinin: metabolic engineering of plant-derived anti-cancer drugs. Current Opinion in Biotechnology, 2020, 65, 17-24.	6.6	42
6	Identifying Genes Involved in Alkaloid Biosynthesis in Vinca minor through Transcriptomics and Gene Co-Expression Analysis. Biomolecules, 2020, 10, 1595.	4.0	12
7	A Biolistic-Mediated Virus-Induced Gene Silencing in Apocynaceae to Map Biosynthetic Pathways of Alkaloids. Methods in Molecular Biology, 2020, 2172, 93-110.	0.9	1
8	New Insight into HPts as Hubs in Poplar Cytokinin and Osmosensing Multistep Phosphorelays: Cytokinin Pathway Uses Specific HPts. Plants, 2019, 8, 591.	3.5	12
9	A <scp>BAHD</scp> acyltransferase catalyzing 19â€<i>O</i>â€acetylation of tabersonine derivatives in roots of <i>Catharanthus roseus</i> enables combinatorial synthesis of monoterpene indole alkaloids. Plant Journal, 2018, 94, 469-484.	5.7	46
10	Missing enzymes in the biosynthesis of the anticancer drug vinblastine in Madagascar periwinkle. Science, 2018, 360, 1235-1239.	12.6	279
11	Highlighting type A RRs as potential regulators of the dkHK1 multi-step phosphorelay pathway in Populus. Plant Science, 2018, 277, 68-78.	3.6	8
12	Sarpagan bridge enzyme has substrate-controlled cyclization and aromatization modes. Nature Chemical Biology, 2018, 14, 760-763.	8.0	50
13	Two Tabersonine 6,7-Epoxidases Initiate Lochnericine-Derived Alkaloid Biosynthesis in Catharanthus roseus. Plant Physiology, 2018, 177, 1473-1486.	4.8	34
14	Vacuole-Targeted Proteins: Ins and Outs of Subcellular Localization Studies. Methods in Molecular Biology, 2018, 1789, 33-54.	0.9	4
15	Isolation of Vacuoles from the Leaves of the Medicinal Plant Catharanthus roseus. Methods in Molecular Biology, 2018, 1789, 81-99.	0.9	2
16	An NPF transporter exports a central monoterpene indole alkaloid intermediate from the vacuole. Nature Plants, 2017, 3, 16208.	9.3	123
17	Virus-induced gene silencing in Rauwolfia species. Protoplasma, 2017, 254, 1813-1818.	2.1	15
18	Folivory elicits a strong defense reaction in Catharanthus roseus: metabolomic and transcriptomic analyses reveal distinct local and systemic responses. Scientific Reports, 2017, 7, 40453.	3.3	39

#	Article	IF	Citations
19	A three enzyme system to generate the Strychnos alkaloid scaffold from a central biosynthetic intermediate. Nature Communications, 2017, 8, 316.	12.8	117
20	Class II Cytochrome P450 Reductase Governs the Biosynthesis of Alkaloids. Plant Physiology, 2016, 172, 1563-1577.	4.8	44
21	Isolation of Cells Specialized in Anticancer Alkaloid Metabolism by Fluorescence-Activated Cell Sorting. Plant Physiology, 2016, 171, 2371-2378.	4.8	17
22	Prequels to Synthetic Biology. Methods in Enzymology, 2016, 576, 167-206.	1.0	13
23	Analytical and Fluorimetric Methods for the Characterization of the Transmembrane Transport of Specialized Metabolites in Plants. Methods in Molecular Biology, 2016, 1405, 121-135.	0.9	1
24	Protoplast Transformation as a Plant-Transferable Transient Expression System. Methods in Molecular Biology, 2016, 1405, 137-148.	0.9	15
25	Virusâ€induced gene silencing in <i>Catharanthus roseus</i> by biolistic inoculation of tobacco rattle virus vectors. Plant Biology, 2015, 17, 1242-1246.	3.8	16
26	<i>In planta</i> anthocyanin degradation by a vacuolar class <scp>III</scp> peroxidase in <i>Brunfelsia calycina</i> flowers. New Phytologist, 2015, 205, 653-665.	7.3	93
27	Vacuolar Transport of the Medicinal Alkaloids from <i>Catharanthus roseus</i> Is Mediated by a Proton-Driven Antiport Â. Plant Physiology, 2013, 162, 1486-1496.	4.8	57
28	Jasmonate signaling involves the abscisic acid receptor PYL4 to regulate metabolic reprogramming in <i>Arabidopsis</i> and tobacco. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5891-5896.	7.1	228
29	Identification of phenolic compounds in isolated vacuoles of the medicinal plant Catharanthus roseus and their interaction with vacuolar class III peroxidase: an H2O2 affair?. Journal of Experimental Botany, 2011, 62, 2841-2854.	4.8	157