

# InÃs Carqueijeiro

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Missing enzymes in the biosynthesis of the anticancer drug vinblastine in Madagascar periwinkle. <i>Science</i> , 2018, 360, 1235-1239.	12.6	279
2	Jasmonate signaling involves the abscisic acid receptor PYL4 to regulate metabolic reprogramming in <i>Arabidopsis</i> and tobacco. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5891-5896.	7.1	228
3	Identification of phenolic compounds in isolated vacuoles of the medicinal plant <i>Catharanthus roseus</i> and their interaction with vacuolar class III peroxidase: an H <sub>2</sub> O <sub>2</sub> affair?. <i>Journal of Experimental Botany</i> , 2011, 62, 2841-2854.	4.8	157
4	An NPF transporter exports a central monoterpene indole alkaloid intermediate from the vacuole. <i>Nature Plants</i> , 2017, 3, 16208.	9.3	123
5	A three enzyme system to generate the Strychnos alkaloid scaffold from a central biosynthetic intermediate. <i>Nature Communications</i> , 2017, 8, 316.	12.8	117
6	In planta anthocyanin degradation by a vacuolar class III peroxidase in <i>Brunfelsia calycina</i> flowers. <i>New Phytologist</i> , 2015, 205, 653-665.	7.3	93
7	Vacuolar Transport of the Medicinal Alkaloids from <i>Catharanthus roseus</i> Is Mediated by a Proton-Driven Antiport Å. <i>Plant Physiology</i> , 2013, 162, 1486-1496.	4.8	57
8	Sarpagan bridge enzyme has substrate-controlled cyclization and aromatization modes. <i>Nature Chemical Biology</i> , 2018, 14, 760-763.	8.0	50
9	A BAHD acyltransferase catalyzing 19-O-acetylation of tabersonine derivatives in roots of <i>Catharanthus roseus</i> enables combinatorial synthesis of monoterpene indole alkaloids. <i>Plant Journal</i> , 2018, 94, 469-484.	5.7	46
10	Class II Cytochrome P450 Reductase Governs the Biosynthesis of Alkaloids. <i>Plant Physiology</i> , 2016, 172, 1563-1577.	4.8	44
11	Beyond the semi-synthetic artemisinin: metabolic engineering of plant-derived anti-cancer drugs. <i>Current Opinion in Biotechnology</i> , 2020, 65, 17-24.	6.6	42
12	Folivory elicits a strong defense reaction in <i>Catharanthus roseus</i> : metabolomic and transcriptomic analyses reveal distinct local and systemic responses. <i>Scientific Reports</i> , 2017, 7, 40453.	3.3	39
13	Two Tabersonine 6,7-Epoxidases Initiate Lochnericine-Derived Alkaloid Biosynthesis in <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 2018, 177, 1473-1486.	4.8	34
14	Alternative splicing creates a pseudo-strictosidine 2'-glucosidase modulating alkaloid synthesis in <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 2021, 185, 836-856.	4.8	19
15	Isolation of Cells Specialized in Anticancer Alkaloid Metabolism by Fluorescence-Activated Cell Sorting. <i>Plant Physiology</i> , 2016, 171, 2371-2378.	4.8	17
16	Virus-induced gene silencing in <i>Catharanthus roseus</i> by biolistic inoculation of tobacco rattle virus vectors. <i>Plant Biology</i> , 2015, 17, 1242-1246.	3.8	16
17	Virus-induced gene silencing in <i>Rauwolfia</i> species. <i>Protoplasma</i> , 2017, 254, 1813-1818.	2.1	15
18	Protoplast Transformation as a Plant-Transferable Transient Expression System. <i>Methods in Molecular Biology</i> , 2016, 1405, 137-148.	0.9	15

#	ARTICLE	IF	CITATIONS
19	Prequels to Synthetic Biology. <i>Methods in Enzymology</i> , 2016, 576, 167-206.	1.0	13
20	New Insight into HPTs as Hubs in Poplar Cytokinin and Osmosensing Multistep Phosphorelays: Cytokinin Pathway Uses Specific HPTs. <i>Plants</i> , 2019, 8, 591.	3.5	12
21	Identifying Genes Involved in Alkaloid Biosynthesis in <i>Vinca minor</i> through Transcriptomics and Gene Co-Expression Analysis. <i>Biomolecules</i> , 2020, 10, 1595.	4.0	12
22	Highlighting type A RRs as potential regulators of the dkHK1 multi-step phosphorelay pathway in <i>Populus</i> . <i>Plant Science</i> , 2018, 277, 68-78.	3.6	8
23	Vacuole-Targeted Proteins: Ins and Outs of Subcellular Localization Studies. <i>Methods in Molecular Biology</i> , 2018, 1789, 33-54.	0.9	4
24	Evaluation of type-B RR dimerization in poplar: A mechanism to preserve signaling specificity?. <i>Plant Science</i> , 2021, 313, 111068.	3.6	3
25	Isolation of Specialized Plant Cells by Fluorescence-Activated Cell Sorting. <i>Methods in Molecular Biology</i> , 2022, 2469, 193-200.	0.9	3
26	Isolation of Vacuoles from the Leaves of the Medicinal Plant <i>Catharanthus roseus</i> . <i>Methods in Molecular Biology</i> , 2018, 1789, 81-99.	0.9	2
27	Analytical and Fluorimetric Methods for the Characterization of the Transmembrane Transport of Specialized Metabolites in Plants. <i>Methods in Molecular Biology</i> , 2016, 1405, 121-135.	0.9	1
28	A Biolistic-Mediated Virus-Induced Gene Silencing in Apocynaceae to Map Biosynthetic Pathways of Alkaloids. <i>Methods in Molecular Biology</i> , 2020, 2172, 93-110.	0.9	1
29	Tonoplast and Peroxisome Targeting of $\hat{1}^3$ -tocopherol N-methyltransferase Homologs Involved in the Synthesis of Monoterpene Indole Alkaloids. <i>Plant and Cell Physiology</i> , 2021, . .	3.1	0