Marc Clastre

List of Publications by Year
in descending order

28 papers	1,389 citations	430754 18 h-index	501076 28 g-index
31 all docs	31 docs citations	31 times ranked	1277 citing authors

#	Article	IF	Citations
1	Optimization of Tabersonine Methoxylation to Increase Vindoline Precursor Synthesis in Yeast Cell Factories. Molecules, 2021, 26, 3596.	1.7	10
2	Enhanced bioproduction of anticancer precursor vindoline by yeast cell factories. Microbial Biotechnology, 2021, 14, 2693-2699.	2.0	24
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.	2.3	19
4	A Biolistic-Mediated Virus-Induced Gene Silencing in Apocynaceae to Map Biosynthetic Pathways of Alkaloids. Methods in Molecular Biology, 2020, 2172, 93-110.	0.4	1
5	Stilbenoid-Enriched Grape Cane Extracts for the Biocontrol of Grapevine Diseases. Progress in Biological Control, 2020, , 215-239.	0.5	6
6	Diversity and Evolution of Sensor Histidine Kinases in Eukaryotes. Genome Biology and Evolution, 2019, 11, 86-108.	1.1	28
7	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.	2.8	46
8	Vacuole-Targeted Proteins: Ins and Outs of Subcellular Localization Studies. Methods in Molecular Biology, 2018, 1789, 33-54.	0.4	4
9	Virus-induced gene silencing in Rauwolfia species. Protoplasma, 2017, 254, 1813-1818.	1.0	15
10	Folivory elicits a strong defense reaction in Catharanthus roseus: metabolomic and transcriptomic analyses reveal distinct local and systemic responses. Scientific Reports, 2017, 7, 40453.	1.6	39
11	A three enzyme system to generate the Strychnos alkaloid scaffold from a central biosynthetic intermediate. Nature Communications, 2017, 8, 316.	5.8	117
12	Class II Cytochrome P450 Reductase Governs the Biosynthesis of Alkaloids. Plant Physiology, 2016, 172, 1563-1577.	2.3	44
13	Characterization of a second secologanin synthase isoform producing both secologanin and secoxyloganin allows enhanced de novo assembly of a Catharanthus roseus transcriptome. BMC Genomics, 2015, 16, 619.	1.2	54
14	Phytochemical genomics of the Madagascar periwinkle: Unravelling the last twists of the alkaloid engine. Phytochemistry, 2015, 113, 9-23.	1.4	92
15	A look inside an alkaloid multisite plant: the Catharanthus logistics. Current Opinion in Plant Biology, 2014, 19, 43-50.	3.5	135
16	ZCT1 and ZCT2 transcription factors repress the activity of a gene promoter from the methyl erythritol phosphate pathway in Madagascar periwinkle cells. Journal of Plant Physiology, 2014, 171, 1510-1513.	1.6	14
17	Deciphering the Evolution, Cell Biology and Regulation of Monoterpene Indole Alkaloids. Advances in Botanical Research, 2013, 68, 73-109.	0.5	22
18	Characterization of the plastidial geraniol synthase from Madagascar periwinkle which initiates the monoterpenoid branch of the alkaloid pathway in internal phloem associated parenchyma. Phytochemistry, 2013, 85, 36-43.	1.4	123

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19	A Pair of Tabersonine 16-Hydroxylases Initiates the Synthesis of Vindoline in an Organ-Dependent Manner in<i>Catharanthus roseus</i>Â Â Â. Plant Physiology, 2013, 163, 1792-1803.	2.3	97
20	A single gene encodes isopentenyl diphosphate isomerase isoforms targeted to plastids, mitochondria and peroxisomes in Catharanthus roseus. Plant Molecular Biology, 2012, 79, 443-459.	2.0	60
21	Prenylated Proteins Are Required for Methyl-Jasmonate-Induced Monoterpenoid Indole Alkaloids Biosynthesis in Catharanthus roseus. , 2012, , 285-296.		0
22	Peroxisomal localisation of the final steps of the mevalonic acid pathway in planta. Planta, 2011, 234, 903-914.	1.6	126
23	The iridoid pathway in Catharanthus roseus alkaloid biosynthesis. Phytochemistry Reviews, 2007, 6, 259-276.	3.1	72
24	Purification, molecular cloning, and cell-specific gene expression of the alkaloid-accumulation associated protein CrPS in Catharanthus roseus. Journal of Experimental Botany, 2005, 56, 1221-1228.	2.4	20
25	Isolation ofCrHPt1, a cDNA encoding a histidine-containing phospho-transfer domain inCatharanthus roseus. Acta Botanica Gallica, 2002, 149, 67-77.	0.9	3
26	1-Deoxy-D-xylulose 5-phosphate synthase from periwinkle: cDNA identification and induced gene expression in terpenoid indole alkaloid-producing cells. Plant Physiology and Biochemistry, 2000, 38, 559-566.	2.8	87
27	Cloning and expression of cDNAs encoding two enzymes of the MEP pathway in Catharanthus roseus. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1517, 159-163.	2.4	117
28	Induction of a novel cytochrome P450 (CYP96 family) in periwinkle (Catharanthus roseus) cells induced for terpenoid indole alkaloid production. Plant Science, 1999, 149, 105-113.	1.7	13