

# Audrey Oudin

## List of Publications by Year in descending order

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19  
papers

1,039  
citations

567281

15  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloning and expression of cDNAs encoding two enzymes of the MEP pathway in <i>Catharanthus roseus</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1517, 159-163.	2.4	117
2	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
3	Optimization of the transient transformation of <i>Catharanthus roseus</i> cells by particle bombardment and its application to the subcellular localization of hydroxymethylbutenyl 4-diphosphate synthase and geraniol 10-hydroxylase. <i>Plant Cell Reports</i> , 2009, 28, 1215-1234.	5.6	105
4	Spatial distribution and hormonal regulation of gene products from methyl erythritol phosphate and monoterpene-secoiridoid pathways in <i>Catharanthus roseus</i> . <i>Plant Molecular Biology</i> , 2007, 65, 13-30.	3.9	103
5	A Pair of Tabersonine 16-Hydroxylases Initiates the Synthesis of Vindoline in an Organ-Dependent Manner in <i>Catharanthus roseus</i> . <i>Plant Physiology</i> , 2013, 163, 1792-1803.	4.8	97
6	Phytochemical genomics of the Madagascar periwinkle: Unravelling the last twists of the alkaloid engine. <i>Phytochemistry</i> , 2015, 113, 9-23.	2.9	92
7	A single gene encodes isopentenyl diphosphate isomerase isoforms targeted to plastids, mitochondria and peroxisomes in <i>Catharanthus roseus</i> . <i>Plant Molecular Biology</i> , 2012, 79, 443-459.	3.9	60
8	The subcellular organization of strictosidine biosynthesis in <i>Catharanthus roseus</i> epidermis highlights several transplast translocations of intermediate metabolites. <i>FEBS Journal</i> , 2011, 278, 749-763.	4.7	58
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	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
12	Towards the Microbial Production of Plant-Derived Anticancer Drugs. <i>Trends in Cancer</i> , 2020, 6, 444-448.	7.4	38
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	CHASE-Containing Histidine Kinase Receptors in Apple Tree: From a Common Receptor Structure to Divergent Cytokinin Binding Properties and Specific Functions. <i>Frontiers in Plant Science</i> , 2017, 8, 1614.	3.6	27
15	Cellular and Subcellular Compartmentation of the 2C-Methyl-D-Erythritol 4-Phosphate Pathway in the Madagascar Periwinkle. <i>Plants</i> , 2020, 9, 462.	3.5	19
16	Cytokinin and Ethylene Cell Signaling Pathways from Prokaryotes to Eukaryotes. <i>Cells</i> , 2020, 9, 2526.	4.1	14
17	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
18	Optimization of Tabersonine Methoxylation to Increase Vindoline Precursor Synthesis in Yeast Cell Factories. <i>Molecules</i> , 2021, 26, 3596.	3.8	10

#	ARTICLE	IF	CITATIONS
19	Setting-up a fast and reliable cytokinin biosensor based on a plant histidine kinase receptor expressed in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2019, 289, 103-111.	3.8	7