

# Jean-Denis Faure

## List of Publications by Year in descending order

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44  
papers

3,574  
citations

159585

30  
h-index

243625

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g-index

46  
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46  
docs citations

46  
times ranked

4508  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstitution of Plant Alkane Biosynthesis in Yeast Demonstrates That <i>Arabidopsis</i> ECERIFERUM1 and ECERIFERUM3 Are Core Components of a Very-Long-Chain Alkane Synthesis Complex. <i>Plant Cell</i> , 2012, 24, 3106-3118.	6.6	380
2	Targeted interactomics reveals a complex core cell cycle machinery in <i>Arabidopsis thaliana</i> . <i>Molecular Systems Biology</i> , 2010, 6, 397.	7.2	315
3	Selective gene dosage by CRISPR-Cas9 genome editing in hexaploid <i>Camelina sativa</i> . <i>Plant Biotechnology Journal</i> , 2017, 15, 729-739.	8.3	220
4	The very-long-chain hydroxy fatty acyl-CoA dehydratase PASTICCINO2 is essential and limiting for plant development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14727-14731.	7.1	216
5	Sphingolipids Containing Very-Long-Chain Fatty Acids Define a Secretory Pathway for Specific Polar Plasma Membrane Protein Targeting in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 2362-2378.	6.6	204
6	Systematic analysis of protein subcellular localization and interaction using high-throughput transient transformation of <i>Arabidopsis</i> seedlings. <i>Plant Journal</i> , 2008, 56, 169-179.	5.7	200
7	Very-Long-Chain Fatty Acids Are Involved in Polar Auxin Transport and Developmental Patterning in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 364-375.	6.6	174
8	Plant sphingolipids: Their importance in cellular organization and adaption. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1329-1335.	2.4	154
9	Mutation in the <i>Arabidopsis</i> PASTICCINO1 Gene, Which Encodes a New FK506-Binding Protein-Like Protein, Has a Dramatic Effect on Plant Development. <i>Molecular and Cellular Biology</i> , 1998, 18, 3034-3043.	2.3	122
10	The Immunophilin-Interacting Protein AtFIP37 from <i>Arabidopsis</i> Is Essential for Plant Development and Is Involved in Trichome Endoreduplication. <i>Plant Physiology</i> , 2004, 134, 1283-1292.	4.8	107
11	FKBPs: at the crossroads of folding and transduction. <i>Trends in Plant Science</i> , 2001, 6, 426-431.	8.8	105
12	A small CDC25 dual-specificity tyrosine-phosphatase isoform in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13380-13385.	7.1	105
13	Role of very-long-chain fatty acids in plant development, when chain length does matter. <i>Comptes Rendus - Biologies</i> , 2010, 333, 361-370.	0.2	101
14	Co-regulated expression of nitrate and nitrite reductases. <i>Plant Journal</i> , 1991, 1, 107-113.	5.7	81
15	gurke and pasticcino3 mutants affected in embryo development are impaired in acetyl-CoA carboxylase. <i>EMBO Reports</i> , 2004, 5, 515-520.	4.5	74
16	Nuclear calcium controls the apoptotic-like cell death induced by d-erythro-sphinganine in tobacco cells. <i>Cell Calcium</i> , 2010, 47, 92-100.	2.4	72
17	Very-long-chain fatty acids are required for cell plate formation during cytokinesis in <i>Arabidopsis thaliana</i> . <i>Journal of Cell Science</i> , 2011, 124, 3223-3234.	2.0	67
18	The C Terminus of the Immunophilin PASTICCINO1 Is Required for Plant Development and for Interaction with a NAC-like Transcription Factor. <i>Journal of Biological Chemistry</i> , 2006, 281, 25475-25484.	3.4	66

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19	A Palmitic Acid Elongase Affects Eicosapentaenoic Acid and Plastidial Monogalactosyldiacylglycerol Levels in <i>Nannochloropsis</i> . <i>Plant Physiology</i> , 2017, 173, 742-759.	4.8	65
20	Pasticcino2 is a protein tyrosine phosphatase-like involved in cell proliferation and differentiation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2002, 32, 713-722.	5.7	62
21	Interest in and limits to the utilization of reporter genes for the analysis of transcriptional regulation of nitrate reductase. <i>Molecular Genetics and Genomics</i> , 1992, 235, 259-268.	2.4	55
22	Hormonal Control of Cell Proliferation Requires PASTICCINO Genes. <i>Plant Physiology</i> , 2003, 132, 1217-1227.	4.8	54
23	Glucosylceramide Biosynthesis is Involved in Golgi Morphology and Protein Secretion in Plant Cells. <i>Traffic</i> , 2010, 11, 479-490.	2.7	53
24	An <i>Arabidopsis</i> immunophilin, AtFKBP12, binds to AtFIP37 (FKBP interacting protein) in an interaction that is disrupted by FK506. <i>Plant Journal</i> , 1998, 15, 783-789.	5.7	51
25	PUCHI regulates very long chain fatty acid biosynthesis during lateral root and callus formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14325-14330.	7.1	46
26	Resonant out-of-phase fluorescence microscopy and remote imaging overcome spectral limitations. <i>Nature Communications</i> , 2017, 8, 969.	12.8	41
27	<i>Arabidopsis</i> PASTICCINO2 Is an Antiphosphatase Involved in Regulation of Cyclin-Dependent Kinase A. <i>Plant Cell</i> , 2006, 18, 1426-1437.	6.6	40
28	Comparative plant sphingolipidomic reveals specific lipids in seeds and oil. <i>Phytochemistry</i> , 2014, 103, 50-58.	2.9	36
29	The Zinc-Finger Protein SOP1 Is Required for a Subset of the Nuclear Exosome Functions in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2016, 12, e1005817.	3.5	36
30	Sphingolipids involvement in plant endomembrane differentiation: the BY2 case. <i>Plant Journal</i> , 2011, 65, 958-971.	5.7	34
31	Links between lipid homeostasis, organelle morphodynamics and protein trafficking in eukaryotic and plant secretory pathways. <i>Plant Cell Reports</i> , 2011, 30, 177-193.	5.6	33
32	Evaluation of the potential for interspecific hybridization between <i>Camelina sativa</i> and related wild Brassicaceae in anticipation of field trials of GM camelina. <i>Transgenic Research</i> , 2014, 23, 67-74.	2.4	33
33	Phosphorylation of style S-RNases by Ca <sup>2+</sup> -dependent protein kinases from pollen tubes. <i>Sexual Plant Reproduction</i> , 1996, 9, 25.	2.2	32
34	Zea3: a pleiotropic mutation affecting cotyledon development, cytokinin resistance and carbon-nitrogen metabolism. <i>Plant Journal</i> , 1994, 5, 481-491.	5.7	31
35	<i>Camelina</i> , a Swiss knife for plant lipid biotechnology. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2016, 23, D503.	1.4	26
36	Europe's first and last field trial of gene-edited plants?. <i>ELife</i> , 2018, 7, .	6.0	25

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37	Dual Fatty Acid Elongase Complex Interactions in Arabidopsis. PLoS ONE, 2016, 11, e0160631.	2.5	22
38	Macroscale fluorescence imaging against autofluorescence under ambient light. Light: Science and Applications, 2018, 7, 97.	16.6	14
39	Simple imaging protocol for autofluorescence elimination and optical sectioning in fluorescence endomicroscopy. Optica, 2019, 6, 972.	9.3	9
40	Cytokinin perception and signal transduction. New Comprehensive Biochemistry, 1999, 33, 461-474.	0.1	4
41	Intestinal Availability and Metabolic Effects of Dietary <i>Camelina</i> Sphingolipids during the Metabolic Syndrome Onset in Mice. Journal of Agricultural and Food Chemistry, 2020, 68, 788-798.	5.2	3
42	Involvement of Arabidopsis BIG protein in cell death mediated by Myo-inositol homeostasis. Scientific Reports, 2020, 10, 11268.	3.3	3
43	Dynamic Contrast for Plant Phenotyping. ACS Omega, 2020, 5, 15105-15114.	3.5	2
44	Plant polyunsaturated fatty acids: Biological roles, regulation and biotechnological applications. Advances in Botanical Research, 2022, , 253-286.	1.1	0