

Etienne-Pascal Journet

List of Publications by Year in descending order

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51
papers

6,343
citations

172457

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docs citations

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4746
citing authors

#	ARTICLE	IF	CITATIONS
1	A Putative Ca ²⁺ and Calmodulin-Dependent Protein Kinase Required for Bacterial and Fungal Symbioses. <i>Science</i> , 2004, 303, 1361-1364.	12.6	697
2	Four Genes of <i>Medicago truncatula</i> Controlling Components of a Nod Factor Transduction Pathway. <i>Plant Cell</i> , 2000, 12, 1647-1665.	6.6	519
3	The <i>Medicago truncatula</i> Lysine Motif-Receptor-Like Kinase Gene Family Includes NFP and New Nodule-Expressed Genes. <i>Plant Physiology</i> , 2006, 142, 265-279.	4.8	467
4	Ecological principles underlying the increase of productivity achieved by cereal-grain legume intercrops in organic farming. A review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 911-935.	5.3	453
5	The <i>Medicago truncatula</i> SUNN Gene Encodes a CLV1-like Leucine-rich Repeat Receptor Kinase that Regulates Nodule Number and Root Length. <i>Plant Molecular Biology</i> , 2005, 58, 809-822.	3.9	399
6	How to implement biodiversity-based agriculture to enhance ecosystem services: a review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 1259-1281.	5.3	388
7	Purification of plant mitochondria by isopycnic centrifugation in density gradients of Percoll. <i>Archives of Biochemistry and Biophysics</i> , 1982, 217, 312-323.	3.0	332
8	<i>Medicago truncatula</i> ENOD11: A Novel RPRP-Encoding Early Nodulin Gene Expressed During Mycorrhization in Arbuscule-Containing Cells. <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 737-748.	2.6	254
9	Multiple cropping systems as drivers for providing multiple ecosystem services: from concepts to design. <i>Agronomy for Sustainable Development</i> , 2015, 35, 607-623.	5.3	234
10	<i>Rhizobium meliloti</i> elicits transient expression of the early nodulin gene ENOD12 in the differentiating root epidermis of transgenic alfalfa. <i>Plant Cell</i> , 1992, 4, 1199-1211.	6.6	193
11	Exploring root symbiotic programs in the model legume <i>Medicago truncatula</i> using EST analysis. <i>Nucleic Acids Research</i> , 2002, 30, 5579-5592.	14.5	193
12	Enzymic Capacities of Purified Cauliflower Bud Plastids for Lipid Synthesis and Carbohydrate Metabolism. <i>Plant Physiology</i> , 1985, 79, 458-467.	4.8	183
13	The molecular genetic linkage map of the model legume <i>Medicago truncatula</i> : an essential tool for comparative legume genomics and the isolation of agronomically important genes. <i>BMC Plant Biology</i> , 2002, 2, 1.	3.6	183
14	<i>Rhizobium meliloti</i> Nod factors elicit cell-specific transcription of the ENOD12 gene in transgenic alfalfa. <i>Plant Journal</i> , 1994, 6, 241-249.	5.7	167
15	<i>Rhizobium</i> Nod Factor Signaling: Evidence for a G Protein-Mediated Transduction Mechanism. <i>Plant Cell</i> , 1998, 10, 659-671.	6.6	163
16	IPD3 Controls the Formation of Nitrogen-Fixing Symbiosomes in Pea and <i>Medicago</i> Spp.. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 1333-1344.	2.6	143
17	Adaptation of <i>Medicago truncatula</i> to nitrogen limitation is modulated via local and systemic nodule developmental responses. <i>New Phytologist</i> , 2010, 185, 817-828.	7.3	140
18	A putative transporter is essential for integrating nutrient and hormone signaling with lateral root growth and nodule development in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2010, 62, 100-112.	5.7	112

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19	Effect of NAD ⁺ on Malate Oxidation in Intact Plant Mitochondria. <i>Plant Physiology</i> , 1980, 66, 225-229.	4.8	111
20	Pharmacological Evidence That Multiple Phospholipid Signaling Pathways Link Rhizobium Nodulation Factor Perception in <i>Medicago truncatula</i> Root Hairs to Intracellular Responses, Including Ca ²⁺ Spiking and Specific ENOD Gene Expression. <i>Plant Physiology</i> , 2004, 136, 3582-3593.	4.8	109
21	Role of Glutamate-oxaloacetate Transaminase and Malate Dehydrogenase in the Regeneration of NAD ⁺ for Glycine Oxidation by Spinach leaf Mitochondria. <i>Plant Physiology</i> , 1981, 67, 467-469.	4.8	92
22	Phosphorus availability and microbial community in the rhizosphere of intercropped cereal and legume along a P-fertilizer gradient. <i>Plant and Soil</i> , 2016, 407, 119-134.	3.7	83
23	MtENOD20, a Nod Factor-Inducible Molecular Marker for Root Cortical Cell Activation. <i>Molecular Plant-Microbe Interactions</i> , 1999, 12, 604-614.	2.6	70
24	Evidence for the Involvement in Nodulation of the Two Small Putative Regulatory Peptide-Encoding Genes <i>MtRALFL1</i> and <i>MtDVL1</i> . <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 1118-1127.	2.6	68
25	The genetics underlying natural variation of plant-plant interactions, a beloved but forgotten member of the family of biotic interactions. <i>Plant Journal</i> , 2018, 93, 747-770.	5.7	65
26	Synchronous expression of leghaemoglobin genes in <i>Medicago truncatula</i> during nitrogen-fixing root nodule development and response to exogenously supplied nitrate. <i>Plant Molecular Biology</i> , 1991, 17, 335-349.	3.9	63
27	MtENOD11 Gene Activation During Rhizobial Infection and Mycorrhizal Arbuscule Development Requires a Common AT-Rich-Containing Regulatory Sequence. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 1269-1276.	2.6	61
28	Enhancing Yields in Organic Crop Production by Eco-Functional Intensification. <i>Sustainable Agriculture Research</i> , 2015, 4, 42.	0.3	41
29	<i>api</i> , A Novel <i>Medicago truncatula</i> Symbiotic Mutant Impaired in Nodule Primordium Invasion. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 535-546.	2.6	38
30	Host-specific competitiveness to form nodules in <i>Rhizobium leguminosarum</i> symbiovar <i>viciae</i> . <i>New Phytologist</i> , 2020, 226, 555-568.	7.3	33
31	Glutamate metabolism triggered by oxaloacetate in intact plant mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1982, 214, 366-375.	3.0	28
32	Calibration and evaluation of the STICS soil-crop model for faba bean to explain variability in yield and N ₂ fixation. <i>European Journal of Agronomy</i> , 2019, 104, 63-77.	4.1	25
33	ENOD12 Gene Expression as a Molecular Marker for Comparing Rhizobium-Dependent and -Independent Nodulation in Alfalfa. <i>Molecular Plant-Microbe Interactions</i> , 1994, 7, 740.	2.6	25
34	Yield gap analysis extended to marketable grain reveals the profitability of organic lentil-spring wheat intercrops. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	5.3	21
35	Peer-Reviewed Literature on Grain Legume Species in the WoS (1980-2018): A Comparative Analysis of Soybean and Pulses. <i>Sustainability</i> , 2019, 11, 6833.	3.2	20
36	THE 4 C APPROACH AS A WAY TO UNDERSTAND SPECIES INTERACTIONS DETERMINING INTERCROPPING PRODUCTIVITY. <i>Frontiers of Agricultural Science and Engineering</i> , 2021, .	1.4	20

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37	Plant nitrogen nutrition status in intercrops—a review of concepts and methods. <i>European Journal of Agronomy</i> , 2021, 124, 126229.	4.1	19
38	Developmental Modulation of Root Cell Wall Architecture Confers Resistance to an Oomycete Pathogen. <i>Current Biology</i> , 2020, 30, 4165-4176.e5.	3.9	17
39	A surrogate model based on feature selection techniques and regression learners to improve soybean yield prediction in southern France. <i>Computers and Electronics in Agriculture</i> , 2022, 192, 106578.	7.7	17
40	Mechanisms of Citrate Oxidation by Percoll-Purified Mitochondria from Potato Tuber. <i>Plant Physiology</i> , 1983, 72, 802-808.	4.8	14
41	Is there an associational resistance of winter pea—durum wheat intercrops towards <i>Acyrtosiphon pisum</i> Harris?. <i>Journal of Applied Entomology</i> , 2014, 138, 577-585.	1.8	14
42	Cultivar Grain Yield in Durum Wheat-Grain Legume Intercrops Could Be Estimated From Sole Crop Yields and Interspecific Interaction Index. <i>Frontiers in Plant Science</i> , 2021, 12, 733705.	3.6	12
43	Four Genes of <i>Medicago truncatula</i> Controlling Components of a Nod Factor Transduction Pathway. <i>Plant Cell</i> , 2000, 12, 1647.	6.6	11
44	[23] Isolation of plastids from buds of cauliflower (<i>Brassica oleracea</i> L.). <i>Methods in Enzymology</i> , 1987, 148, 234-240.	1.0	7
45	Lipid Distribution and Synthesis Within the Plant Cell. , 1987, , 255-263.		7
46	Génomique de la légumineuse modèle <i>Medicago truncatula</i> : État des lieux et perspectives. <i>Oleagineux Corps Gras Lipides</i> , 2001, 8, 478-484.	0.2	6
47	Interspecific interactions regulate plant reproductive allometry in cereal—legume intercropping systems. <i>Journal of Applied Ecology</i> , 2021, 58, 2579-2589.	4.0	6
48	Contrasted response to climate change of winter and spring grain legumes in southwestern France. <i>Field Crops Research</i> , 2020, 259, 107967.	5.1	5
49	Rhizobium Nod Factor Signaling: Evidence for a G Protein-Mediated Transduction Mechanism. <i>Plant Cell</i> , 1998, 10, 659.	6.6	4
50	Electron Transfer and Oxidative Phosphorylation in Plant Mitochondria. , 1987, , 177-211.		3
51	Purification of Nongreen Plastids (Proplastids and Amyloplasts) from Angiosperms, and Isolation of Their Envelope Membranes. <i>Methods in Molecular Biology</i> , 2018, 1829, 145-164.	0.9	1