Guillaume Pilot

List of Publications by Year
in descending order

36 papers	3,512 citations	331670 21 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	3733 citing authors

#	Article	IF	Citations
1	MAMP-elicited changes in amino acid transport activity contribute to restricting bacterial growth. Plant Physiology, 2022, 189, 2315-2331.	4.8	14
2	Detailed characterization of the UMAMIT proteins provides insight into their evolution, amino acid transport properties, and role in the plant. Journal of Experimental Botany, 2021, 72, 6400-6417.	4.8	17
3	Increased Expression of UMAMIT Amino Acid Transporters Results in Activation of Salicylic Acid Dependent Stress Response. Frontiers in Plant Science, 2020, 11, 606386.	3.6	9
4	A laboratory-scale model cocoa fermentation using dried, unfermented beans and artificial pulp can simulate the microbial and chemical changes of on-farm cocoa fermentation. European Food Research and Technology, 2019, 245, 511-519.	3.3	23
5	Update on amino acid transporter functions and on possible amino acid sensing mechanisms in plants. Seminars in Cell and Developmental Biology, 2018, 74, 105-113.	5.0	99
6	Review: Functional linkages between amino acid transporters and plant responses to pathogens. Plant Science, 2018, 277, 79-88.	3.6	31
7	Arabidopsis UMAMIT24 and 25 are amino acid exporters involved in seed loading. Journal of Experimental Botany, 2018, 69, 5221-5232.	4.8	43
8	Control of Amino Acid Homeostasis by a Ubiquitin Ligase-Coactivator Protein Complex. Journal of Biological Chemistry, 2017, 292, 3827-3840.	3.4	7
9	Multifaceted plant responses to circumvent Phe hyperaccumulation by downregulation of flux through the shikimate pathway and by vacuolar Phe sequestration. Plant Journal, 2017, 92, 939-950.	5.7	24
10	Amino Acids Are an Ineffective Fertilizer for Dunaliella spp. Growth. Frontiers in Plant Science, 2017, 8, 847.	3.6	15
11	Inference of Transcription Regulatory Network in Low Phytic Acid Soybean Seeds. Frontiers in Plant Science, 2017, 8, 2029.	3.6	16
12	UMAMIT14 is an amino acid exporter involved in phloem unloading in Arabidopsis roots. Journal of Experimental Botany, 2016, 67, 6385-6397.	4.8	76
13	Analysis of amino acid uptake and translocation in Arabidopsis with a lowâ€cost hydroponic system. Journal of Plant Nutrition and Soil Science, 2016, 179, 286-293.	1.9	3
14	Suppressor mutations in the Glutamine Dumper1 protein dissociate disturbance in amino acid transport from other characteristics of the Gdu1D phenotype. Frontiers in Plant Science, 2015, 6, 593.	3.6	9
15	Testing the efficiency of plant artificial microRNAs by transient expression in Nicotiana benthamiana reveals additional action at the translational level. Frontiers in Plant Science, 2014, 5, 622.	3.6	20
16	Border Controlâ€"A Membrane-Linked Interactome of Arabidopsis. Science, 2014, 344, 711-716.	12.6	213
17	Regulation of amino acid metabolic enzymes and transporters in plants. Journal of Experimental Botany, 2014, 65, 5535-5556.	4.8	297
18	Functional conservation between mammalian MGRN1 and plant LOG2 ubiquitin ligases. FEBS Letters, 2013, 587, 3400-3405.	2.8	15

#	Article	IF	Citations
19	Mining for Meaning: Visualization Approaches to DecipheringArabidopsisStress Responses in Roots and Shoots. OMICS A Journal of Integrative Biology, 2012, 16, 208-228.	2.0	3
20	The Ubiquitin E3 Ligase LOSS OF GDU2 Is Required for GLUTAMINE DUMPER1-Induced Amino Acid Secretion in Arabidopsis Â Â Â. Plant Physiology, 2012, 158, 1628-1642.	4.8	39
21	Amino Acid Export in Plants: A Missing Link in Nitrogen Cycling. Molecular Plant, 2011, 4, 453-463.	8.3	175
22	A membrane protein / signaling protein interaction network for Arabidopsis version AMPv2. Frontiers in Physiology, 2010, 1, 24.	2.8	131
23	Stimulation of Nonselective Amino Acid Export by Glutamine Dumper Proteins. Plant Physiology, 2010, 152, 762-773.	4.8	59
24	Amino Acid Homeostasis Modulates Salicylic Acidâ€“Associated Redox Status and Defense Responses inArabidopsisÂ Â Â. Plant Cell, 2010, 22, 3845-3863.	6.6	200
25	Altered Amino Acid Metabolism inGlutamine Dumper1Plants. Plant Signaling and Behavior, 2007, 2, 182-184.	2.4	16
26	Corrigendum to â€œThe plant-specific VIMAG domain ofGlutamine Dumper1is necessary for the function of the protein in arabidopsisâ€•[FEBS Lett. 580 (2006) 6961-6966]. FEBS Letters, 2007, 581, 1248-1249.	2.8	3
27	The plant-specific VIMAG domain ofGlutamine Dumper1is necessary for the function of the protein in arabidopsis. FEBS Letters, 2006, 580, 6961-6966.	2.8	12
28	Overexpression of GLUTAMINE DUMPER1 Leads to Hypersecretion of Glutamine from Hydathodes of Arabidopsis Leaves[W]. Plant Cell, 2004, 16, 1827-1840.	6.6	143
29	Regulated expression of Arabidopsis shaker K+ channel genes involved in K+ uptake and distribution in the plant. Plant Molecular Biology, 2003, 51, 773-787.	3.9	221
30	Five-Group Distribution of the Shaker-like K + Channel Family in Higher Plants. Journal of Molecular Evolution, 2003, 56, 418-434.	1.8	98
31	Pollen tube development and competitive ability are impaired by disruption of a Shaker K+ channel in Arabidopsis. Genes and Development, 2002, 16, 339-350.	5.9	195
32	Guard Cell Inward K+ Channel Activity inArabidopsis Involves Expression of the Twin Channel Subunits KAT1 and KAT2. Journal of Biological Chemistry, 2001, 276, 3215-3221.	3.4	217
33	A Shaker-like K+ Channel with Weak Rectification Is Expressed in Both Source and Sink Phloem Tissues of Arabidopsis. Plant Cell, 2000, 12, 837-851.	6.6	196
34	A Shaker-Like K + Channel with Weak Rectification Is Expressed in Both Source and Sink Phloem Tissues of Arabidopsis. Plant Cell, 2000, 12, 837.	6.6	120
35	pH control of the plant outwardly-rectifying potassium channel SKOR. FEBS Letters, 2000, 466, 351-354.	2.8	76
36	Identification and Disruption of a Plant Shaker-like Outward Channel Involved in K+ Release into the Xylem Sap. Cell, 1998, 94, 647-655.	28.9	676