

Patricia LeÃ³n

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

4,611
citations

331670

21
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

5063
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unique Short-Chain Dehydrogenase/Reductase in Arabidopsis Glucose Signaling and Abscisic Acid Biosynthesis and Functions. <i>Plant Cell</i> , 2002, 14, 2723-2743.	6.6	764
2	1-Deoxy-d-xylulose-5-phosphate Synthase, a Limiting Enzyme for Plastidic Isoprenoid Biosynthesis in Plants. <i>Journal of Biological Chemistry</i> , 2001, 276, 22901-22909.	3.4	598
3	Sugar and hormone connections. <i>Trends in Plant Science</i> , 2003, 8, 110-116.	8.8	557
4	Unravelling the regulatory mechanisms that modulate the MEP pathway in higher plants. <i>Journal of Experimental Botany</i> , 2009, 60, 2933-2943.	4.8	315
5	CLA1, a novel gene required for chloroplast development, is highly conserved in evolution. <i>Plant Journal</i> , 1996, 9, 649-658.	5.7	300
6	Synthesis and Function of Apocarotenoid Signals in Plants. <i>Trends in Plant Science</i> , 2016, 21, 792-803.	8.8	261
7	Analysis of the Expression of CLA1, a Gene That Encodes the 1-Deoxyxylulose 5-Phosphate Synthase of the 2-C-Methyl-d-Erythritol-4-Phosphate Pathway in Arabidopsis. <i>Plant Physiology</i> , 2000, 124, 95-104.	4.8	254
8	CLB19, a pentatricopeptide repeat protein required for editing of <i>rpoA</i> and <i>clpP</i> chloroplast transcripts. <i>Plant Journal</i> , 2008, 56, 590-602.	5.7	236
9	The Arabidopsis ABA-INSENSITIVE (ABI) 4 factor acts as a central transcription activator of the expression of its own gene, and for the induction of <i>ABI5</i> and <i>SBE2.2</i> genes during sugar signaling. <i>Plant Journal</i> , 2009, 59, 359-374.	5.7	172
10	An Uncharacterized Apocarotenoid-Derived Signal Generated in Ψ -Carotene Desaturase Mutants Regulates Leaf Development and the Expression of Chloroplast and Nuclear Genes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 2524-2537.	6.6	160
11	Sugar and ABA responsiveness of a minimal RBCS light-responsive unit is mediated by direct binding of ABI4. <i>Plant Journal</i> , 2005, 43, 506-519.	5.7	157
12	Characterization of the Arabidopsis <i>clb6</i> Mutant Illustrates the Importance of Posttranscriptional Regulation of the Methyl-d-Erythritol 4-Phosphate Pathway. <i>Plant Cell</i> , 2005, 17, 628-643.	6.6	146
13	Functional characterization of the three genes encoding 1-deoxy-D-xylulose 5-phosphate synthase in maize. <i>Journal of Experimental Botany</i> , 2011, 62, 2023-2038.	4.8	136
14	Three Genes That Affect Sugar Sensing (Abscisic Acid Insensitive 4, Abscisic Acid Insensitive 5, and <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>) Physiology, 2003, 133, 231-242.	4.8	132
15	CHLOROPLAST BIOGENESIS Genes Act Cell and Noncell Autonomously in Early Chloroplast Development. <i>Plant Physiology</i> , 2004, 135, 471-482.	4.8	110
16	ABI4 and its role in chloroplast retrograde communication. <i>Frontiers in Plant Science</i> , 2012, 3, 304.	3.6	61
17	Transient Gene Expression in Protoplasts of <i>Phaseolus vulgaris</i> Isolated from a Cell Suspension Culture. <i>Plant Physiology</i> , 1991, 95, 968-972.	4.8	59
18	Sugar regulation of SUGAR TRANSPORTER PROTEIN 1 (STP1) expression in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 147-159.	4.8	43

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19	Functional analysis of the Arabidopsis thaliana CHLOROPLAST BIOGENESIS 19 pentatricopeptide repeat editing protein. <i>New Phytologist</i> , 2015, 208, 430-441.	7.3	39
20	Shedding light on the methylerythritol phosphate (<scp>MEP</scp>)â€pathway: long hypocotyl 5 (<scp>HY</scp>5)/phytochromeâ€interacting factors (<scp>PIF</scp>s) transcription factors modulating key limiting steps. <i>Plant Journal</i> , 2018, 96, 828-841.	5.7	30
21	Characterization of Evolutionarily Conserved Motifs Involved in Activity and Regulation of the ABA-INSENSITIVE (ABI) 4 Transcription Factor. <i>Molecular Plant</i> , 2014, 7, 422-436.	8.3	29
22	Deconvoluting apocarotenoidâ€mediated retrograde signaling networks regulating plastid translation and leaf development. <i>Plant Journal</i> , 2021, 105, 1582-1599.	5.7	17
23	Tobacco plants expressing the Cry1AbMod toxin suppress tolerance to Cry1Ab toxin of Manduca sexta cadherin-silenced larvae. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 513-519.	2.7	13
24	The role of carotenoids as a source of retrograde signals: impact on plant development and stress responses. <i>Journal of Experimental Botany</i> , 2022, 73, 7139-7154.	4.8	13
25	Reassessing the evolution of the 1-deoxy-D-xylulose 5-phosphate synthase family suggests a possible novel function for the DXS class 3 proteins. <i>Plant Science</i> , 2021, 310, 110960.	3.6	9