

Luz Irina A CalderÃ³n Villalobos

List of Publications by Year in descending order

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17
papers

3,498
citations

623734

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839539

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all docs

19
docs citations

19
times ranked

4717
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of auxin perception by the TIR1 ubiquitin ligase. <i>Nature</i> , 2007, 446, 640-645.	27.8	1,367
2	Plant hormones are versatile chemical regulators of plant growth. <i>Nature Chemical Biology</i> , 2009, 5, 301-307.	8.0	686
3	A combinatorial TIR1/AFB ¹ Aux/IAA co-receptor system for differential sensing of auxin. <i>Nature Chemical Biology</i> , 2012, 8, 477-485.	8.0	490
4	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. <i>Cell</i> , 2018, 174, 448-464.e24.	28.9	420
5	Cullin-containing E3 ubiquitin ligases in plant development. <i>Current Opinion in Plant Biology</i> , 2004, 7, 677-686.	7.1	71
6	Rate Motifs Tune Auxin/Indole-3-Acetic Acid Degradation Dynamics. <i>Plant Physiology</i> , 2015, 169, 803-813.	4.8	65
7	Auxin-induced degradation dynamics set the pace for lateral root development. <i>Development (Cambridge)</i> , 2015, 142, 905-9.	2.5	57
8	Variation in auxin sensing guides AUX/IAA transcriptional repressor ubiquitylation and destruction. <i>Nature Communications</i> , 2017, 8, 15706.	12.8	56
9	Solution structure of the PsIAA4 oligomerization domain reveals interaction modes for transcription factors in early auxin response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6230-6235.	7.1	52
10	The evolutionarily conserved <i>Arabidopsis thaliana</i> F-box protein AtFBP7 is required for efficient translation during temperature stress. <i>Gene</i> , 2007, 392, 106-116.	2.2	50
11	Regulation of SCFTIR1/AFBs E3 ligase assembly by S-nitrosylation of <i>Arabidopsis</i> ASKP1-like1 impacts on auxin signaling. <i>Redox Biology</i> , 2018, 18, 200-210.	9.0	48
12	Structural Biology of Nuclear Auxin Action. <i>Trends in Plant Science</i> , 2016, 21, 302-316.	8.8	45
13	Flexibility of intrinsically disordered degrons in AUX/IAA proteins reinforces auxin co-receptor assemblies. <i>Nature Communications</i> , 2020, 11, 2277.	12.8	38
14	The <i>Arabidopsis</i> ALF4 protein is a regulator of SCF E3 ligases. <i>EMBO Journal</i> , 2018, 37, 255-268.	7.8	30
15	Radioligand Binding Assays for Determining Dissociation Constants of Phytohormone Receptors. <i>Methods in Molecular Biology</i> , 2016, 1450, 23-34.	0.9	8
16	Plant proteostasis – shaping the proteome: a research community aiming to understand molecular mechanisms that control protein abundance. <i>New Phytologist</i> , 2020, 227, 1028-1033.	7.3	7
17	S-Nitrosation of E3 Ubiquitin Ligase Complex Components Regulates Hormonal Signalings in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 794582.	3.6	6