

Maria Jose Sanchez-Barrena

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,268
citations

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1751
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptide AS-48: Prototype of a New Class of Cyclic Bacteriocins. <i>Current Protein and Peptide Science</i> , 2004, 5, 399-416.	1.4	169
2	The Structure of the Arabidopsis thaliana SOS3: Molecular Mechanism of Sensing Calcium for Salt Stress Response. <i>Journal of Molecular Biology</i> , 2005, 345, 1253-1264.	4.2	166
3	Decoding of Methylated Histone H3 Tail by the Pygo-BCL9 Wnt Signaling Complex. <i>Molecular Cell</i> , 2008, 30, 507-518.	9.7	166
4	The Structure of the C-Terminal Domain of the Protein Kinase AtSOS2 Bound to the Calcium Sensor AtSOS3. <i>Molecular Cell</i> , 2007, 26, 427-435.	9.7	123
5	Structure of Bacteriocin AS-48: From Soluble State to Membrane Bound State. <i>Journal of Molecular Biology</i> , 2003, 334, 541-549.	4.2	92
6	Structural basis of the regulatory mechanism of the plant CIPK family of protein kinases controlling ion homeostasis and abiotic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4532-41.	7.1	81
7	Structural Biology of a Major Signaling Network that Regulates Plant Abiotic Stress: The CBL-CIPK Mediated Pathway. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5734-5749.	4.1	79
8	Calcium-dependent oligomerization of CAR proteins at cell membrane modulates ABA signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E396-405.	7.1	72
9	Recognition and Activation of the Plant AKT1 Potassium Channel by the Kinase CIPK23. <i>Plant Physiology</i> , 2020, 182, 2143-2153.	4.8	51
10	Structural Insights on the Plant Salt-Overly-Sensitive 1 (SOS1) Na ⁺ /H ⁺ Antiporter. <i>Journal of Molecular Biology</i> , 2012, 424, 283-294.	4.2	49
11	Bin2 Is a Membrane Sculpting N-BAR Protein That Influences Leucocyte Podosomes, Motility and Phagocytosis. <i>PLoS ONE</i> , 2012, 7, e52401.	2.5	44
12	The bacteriocin AS-48 requires dimer dissociation followed by hydrophobic interactions with the membrane for antibacterial activity. <i>Journal of Structural Biology</i> , 2015, 190, 162-172.	2.8	40
13	Interference of the complex between NCS-1 and Ric8a with phenothiazines regulates synaptic function and is an approach for fragile X syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E999-E1008.	7.1	40
14	The guanine-exchange factor Ric8a binds the calcium sensor NCS-1 to regulate synapse number and probability of release. <i>Journal of Cell Science</i> , 2014, 127, 4246-59.	2.0	25
15	Evolutionary Adaptation of the Fly Pygo PHD Finger toward Recognizing Histone H3 Tail Methylated at Arginine 2. <i>Structure</i> , 2013, 21, 2208-2220.	3.3	16
16	Insights into real-time chemical processes in a calcium sensor protein-directed dynamic library. <i>Nature Communications</i> , 2019, 10, 2798.	12.8	16
17	Deciphering the Inhibition of the Neuronal Calcium Sensor 1 and the Guanine Exchange Factor Ric8a with a Small Phenothiazine Molecule for the Rational Generation of Therapeutic Synapse Function Regulators. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5910-5921.	6.4	10
18	The structure and flexibility analysis of the Arabidopsis synaptotagmin 1 reveal the basis of its regulation at membrane contact sites. <i>Life Science Alliance</i> , 2021, 4, e202101152.	2.8	9

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19	SOS3 (salt overly sensitive 3) from <i>Arabidopsis thaliana</i> : expression, purification, crystallization and preliminary X-ray analysis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 1272-1274.	2.5	7
20	Frq2 from <i>Drosophila melanogaster</i> : cloning, expression, purification, crystallization and preliminary X-ray analysis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 530-534.	0.8	6
21	The complex between SOS3 and SOS2 regulatory domain from <i>Arabidopsis thaliana</i> : cloning, expression, purification, crystallization and preliminary X-ray analysis. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 568-570.	0.7	4
22	Preliminary crystallographic analysis of the ankyrin-repeat domain of <i>Arabidopsis thaliana</i> AKT1: identification of the domain boundaries for protein crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 509-512.	0.8	3