

Romina V Sep̃olveda

List of Publications by Year in descending order

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14
papers

466
citations

1040056

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1058476

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docs citations

14
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	The Emergence of New Catalytic Abilities in an Endoxylanase from Family GH10 by Removing an Intrinsically Disordered Region. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2315.	4.1	2
2	A method for characterizing the thermal stability and antimicrobial binding to Lipopolysaccharides of Gram-negative isogenic mutant strains. <i>MethodsX</i> , 2021, 8, 101474.	1.6	1
3	A rationally designed orthogonal synthetase for genetically encoded fluorescent amino acids. <i>Heliyon</i> , 2020, 6, e05140.	3.2	2
4	Novel TRPV1 Channel Agonists With Faster and More Potent Analgesic Properties Than Capsaicin. <i>Frontiers in Pharmacology</i> , 2020, 11, 1040.	3.5	8
5	The molecular nature of the 17β -Estradiol binding site in the voltage- and Ca^{2+} -activated K^+ (BK) channel $\beta 1$ subunit. <i>Scientific Reports</i> , 2019, 9, 9965.	3.3	14
6	Structural determinants of $5\alpha,6\alpha$ -epoxyeicosatrienoic acid binding to and activation of TRPV4 channel. <i>Scientific Reports</i> , 2017, 7, 10522.	3.3	53
7	Molecular Determinants of BK Channel Functional Diversity and Functioning. <i>Physiological Reviews</i> , 2017, 97, 39-87.	28.8	213
8	$\beta 1$ -subunit-induced structural rearrangements of the Ca^{2+} - and voltage-activated K^+ (BK) channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3231-9.	7.1	14
9	Structure-Driven Pharmacology of Transient Receptor Potential Channel Vanilloid 1. <i>Molecular Pharmacology</i> , 2016, 90, 300-308.	2.3	18
10	Hydrophobic interaction between contiguous residues in the S6 transmembrane segment acts as a stimuli integration node in the BK channel. <i>Journal of General Physiology</i> , 2015, 145, 61-74.	1.9	18
11	Molecular Determinants of Phosphatidylinositol 4,5-Bisphosphate (PI(4,5)P ₂) Binding to Transient Receptor Potential V1 (TRPV1) Channels. <i>Journal of Biological Chemistry</i> , 2015, 290, 2086-2098.	3.4	65
12	Pore dimensions and the role of occupancy in unitary conductance of Shaker K channels. <i>Journal of General Physiology</i> , 2015, 146, 133-146.	1.9	28
13	Interaction between the Linker, Pre-S1, and TRP Domains Determines Folding, Assembly, and Trafficking of TRPV Channels. <i>Structure</i> , 2015, 23, 1404-1413.	3.3	21
14	K^+ Conduction and Mg^{2+} Blockade in a Shaker Kv-Channel Single Point Mutant with an Unusually High Conductance. <i>Biophysical Journal</i> , 2012, 103, 1198-1207.	0.5	9