

# Sergio Romero-Romero

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8207697/publications.pdf>

Version: 2024-02-01

18  
papers

183  
citations

1307594

7  
h-index

1199594

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution, folding, and design of TIM barrels and related proteins. <i>Current Opinion in Structural Biology</i> , 2021, 68, 94-104.	5.7	34
2	Detection of the plasmid-borne quinolone resistance determinant <i>qepA1</i> in a CTX-M-15-producing <i>Escherichia coli</i> strain from Mexico. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 169-171.	3.0	24
3	Reversibility and two state behaviour in the thermal unfolding of oligomeric TIM barrel proteins. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20699-20714.	2.8	21
4	The Stability Landscape of de novo TIM Barrels Explored by a Modular Design Approach. <i>Journal of Molecular Biology</i> , 2021, 433, 167153.	4.2	15
5	The interplay of proteinâ€“ligand and waterâ€“mediated interactions shape affinity and selectivity in the LAO binding protein. <i>FEBS Journal</i> , 2020, 287, 763-782.	4.7	14
6	Voltage vs. Ligand I: Structural basis of the intrinsic flexibility of S3 segment and its significance in ion channel activation. <i>Channels</i> , 2019, 13, 455-476.	2.8	9
7	Structural basis for the modulation of plant cytosolic triosephosphate isomerase activity by mimicry of redoxâ€“based modifications. <i>Plant Journal</i> , 2019, 99, 950-964.	5.7	9
8	Side chain flexibility and coupling between the S4â€“S5 linker and the TRP domain in thermoâ€“sensitive TRP channels: Insights from protein modeling. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 630-646.	2.6	8
9	Localized conformational changes trigger the pH-induced fibrillogenesis of an amyloidogenic Î» light chain protein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1656-1666.	2.4	8
10	A newly introduced salt bridge cluster improves structural and biophysical properties of de novo TIM barrels. <i>Protein Science</i> , 2022, 31, 513-527.	7.6	8
11	FRET-based analysis and molecular modeling of the human GPN-loop GTPases 1 and 3 heterodimer unveils a dominant-negative protein complex. <i>FEBS Journal</i> , 2019, 286, 4797-4818.	4.7	7
12	Mapping the metal-catalytic site of a zinc-activated phytochelatin synthase. <i>Algal Research</i> , 2020, 47, 101890.	4.6	7
13	Characterization of extended-spectrum and CMY-2 ß-lactamases, and associated virulence genes in <i>Escherichia coli</i> from food of animal origin in MÃ©xico. <i>British Food Journal</i> , 2018, 120, 1457-1473.	2.9	6
14	Structure and conformational stability of the triosephosphate isomerase from <i>Zea mays</i> . Comparison with the chemical unfolding pathways of other eukaryotic TIMs. <i>Archives of Biochemistry and Biophysics</i> , 2018, 658, 66-76.	3.0	4
15	A strategy based on thermal flexibility to design triosephosphate isomerase proteins with increased or decreased kinetic stability. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 3017-3022.	2.1	3
16	Voltage vs. Ligand II: Structural insights of the intrinsic flexibility in cyclic nucleotide-gated channels. <i>Channels</i> , 2019, 13, 382-399.	2.8	3
17	Estabilidad termodinÃ¡mica de proteÃ­nas. <i>Educacion Quimica</i> , 2018, 29, 3.	0.1	0
18	Donde la termodinÃ¡mica y las proteÃ­nas se encuentran. <i>Educacion Quimica</i> , 2018, 29, 18.	0.1	0