

# Enrique Marcos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1790295/publications.pdf>

Version: 2024-02-01

18  
papers

1,678  
citations

623188

14  
h-index

839053

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2507  
citing authors

#	ARTICLE	IF	CITATIONS
1	An engineered protein-based submicromolar competitive inhibitor of the <i>Staphylococcus aureus</i> virulence factor aureolysin. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 534-544.	1.9	5
2	Macromolecular modeling and design in Rosetta: recent methods and frameworks. <i>Nature Methods</i> , 2020, 17, 665-680.	9.0	513
3	De novo design of potent and selective mimics of IL-2 and IL-15. <i>Nature</i> , 2019, 565, 186-191.	13.7	362
4	De novo design of a non-local $\beta^2$ -sheet protein with high stability and accuracy. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1028-1034.	3.6	101
5	De novo design of a fluorescence-activating $\beta^2$ -barrel. <i>Nature</i> , 2018, 561, 485-491.	13.7	269
6	Essentials of <i>de novo</i> protein design: Methods and applications. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2018, 8, e1374.	6.2	41
7	Principles for designing proteins with cavities formed by curved $\beta^2$ sheets. <i>Science</i> , 2017, 355, 201-206.	6.0	117
8	Design of H <sub>2</sub> ckel $\rightarrow$ M $\rightarrow$ bis Topological Switches with High Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19348-19357.	1.5	34
9	Effect of the Meso-Substituent in the H <sub>2</sub> ckel-to-M $\rightarrow$ bis Topological Switches. <i>Journal of Organic Chemistry</i> , 2014, 79, 5036-5046.	1.7	27
10	Conformational Compression and Barrier Height Heterogeneity in the <i>N</i> -Acetylglutamate Kinase. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14261-14272.	1.2	13
11	Dynamic Fingerprints of Protein Thermostability Revealed by Long Molecular Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1129-1142.	2.3	10
12	Theoretical Study of the Switching between H <sub>2</sub> ckel and M $\rightarrow$ bis Topologies for Expanded Porphyrins. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24358-24366.	1.5	28
13	Crowding Induces Differences in the Diffusion of Thermophilic and Mesophilic Proteins: A New Look at Neutron Scattering Results. <i>Biophysical Journal</i> , 2011, 101, 2782-2789.	0.2	12
14	Changes in Dynamics upon Oligomerization Regulate Substrate Binding and Allostery in Amino Acid Kinase Family Members. <i>PLoS Computational Biology</i> , 2011, 7, e1002201.	1.5	49
15	Pentacoordinated phosphorus revisited by high-level QM/MM calculations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2405-2411.	1.5	17
16	On the Conservation of the Slow Conformational Dynamics within the Amino Acid Kinase Family: NAGK the Paradigm. <i>PLoS Computational Biology</i> , 2010, 6, e1000738.	1.5	41
17	Description of pentacoordinated phosphorus under an external electric field: which basis sets and semi-empirical methods are needed?. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2442.	1.3	15
18	Inductive and External Electric Field Effects in Pentacoordinated Phosphorus Compounds. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 49-63.	2.3	21