

Federico Melaccio

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

609
citations

12
h-index

17
g-index

17
ext. papers

672
ext. citations

6.4
avg, IF

3.45
L-index

#	Paper	IF	Citations
16	QM/MM Investigation of the Spectroscopic Properties of the Fluorophore of Bacterial Luciferase. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 605-613	6.4	3
15	An Average Solvent Electrostatic Configuration Protocol for QM/MM Free Energy Optimization: Implementation and Application to Rhodopsin Systems. <i>Journal of Chemical Theory and Computation</i> , 2017 , 13, 6391-6404	6.4	21
14	Toward Automatic Rhodopsin Modeling as a Tool for High-Throughput Computational Photobiology. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 6020-6034	6.4	39
13	Space and Time Evolution of the Electrostatic Potential During the Activation of a Visual Pigment. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2563-7	6.4	7
12	Molecular bases for the selection of the chromophore of animal rhodopsins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15297-302	11.5	33
11	A Conical Intersection Controls the Deactivation of the Bacterial Luciferase Fluorophore. <i>Angewandte Chemie</i> , 2014 , 126, 10028-10033	3.6	7
10	Shape of Multireference, Equation-of-Motion Coupled-Cluster, and Density Functional Theory Potential Energy Surfaces at a Conical Intersection. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 3074-84	6.4	132
9	Comparison of the isomerization mechanisms of human melanopsin and invertebrate and vertebrate rhodopsins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1714-9	11.5	47
8	A conical intersection controls the deactivation of the bacterial luciferase fluorophore. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9870-5	16.4	19
7	Mapping the Excited State Potential Energy Surface of a Retinal Chromophore Model with Multireference and Equation-of-Motion Coupled-Cluster Methods. <i>Journal of Chemical Theory and Computation</i> , 2013 , 9, 4495-506	6.4	76
6	Computational Photochemistry and Photobiology 2012 , 1029-1056		4
5	Origin of Fluorescence in 11-cis Locked Bovine Rhodopsin. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 2559-63	6.4	27
4	Quantum chemical modeling of rhodopsin mutants displaying switchable colors. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 12485-95	3.6	54
3	Using the computer to understand the chemistry of conical intersections. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 867-86	4.2	56
2	Unique QM/MM potential energy surface exploration using microiterations. <i>International Journal of Quantum Chemistry</i> , 2011 , 111, 3339-3346	2.1	50
1	Computational Photobiology and Beyond. <i>Australian Journal of Chemistry</i> , 2010 , 63, 413	1.2	34