

Veniamin A Borin

List of Publications by Year in descending order

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15
papers

805
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933447

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16
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docs citations

16
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	Insight into the isomerization mechanism of retinal proteins from hybrid quantum mechanics/molecular mechanics simulations. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, e1562.	14.6	7
2	The impact of twisting on the intersystem crossing in acenes: an experimental and computational study. Physical Chemistry Chemical Physics, 2022, 24, 2357-2362.	2.8	7
3	Deciphering the Spectral Tuning Mechanism in Proteorhodopsin: The Dominant Role of Electrostatics Instead of Chromophore Geometry. Chemistry - A European Journal, 2022, 28, .	3.3	5
4	Signal transduction in light-oxygen-voltage receptors lacking the active-site glutamine. Nature Communications, 2022, 13, 2618.	12.8	25
5	Rhodopsin-bestrophin fusion proteins from unicellular algae form gigantic pentameric ion channels. Nature Structural and Molecular Biology, 2022, 29, 592-603.	8.2	23
6	Frontiers in Multiscale Modeling of Photoreceptor Proteins. Photochemistry and Photobiology, 2021, 97, 243-269.	2.5	26
7	Bending versus Twisting Acenes – A Computational Study. European Journal of Organic Chemistry, 2021, 2021, 5424-5429.	2.4	8
8	NeoR, a near-infrared absorbing rhodopsin. Nature Communications, 2020, 11, 5682.	12.8	45
9	Modern quantum chemistry with [Open]Molcas. Journal of Chemical Physics, 2020, 152, 214117.	3.0	281
10	Tuning Quantum Dots Coupling Using Organic Linkers with Different Vibrational Modes. Journal of Physical Chemistry C, 2020, 124, 16159-16165.	3.1	3
11	Spectroscopic Properties of Lumiflavin: A Quantum Chemical Study. Photochemistry and Photobiology, 2019, 95, 662-674.	2.5	15
12	A QM/MM study of the initial excited state dynamics of green-absorbing proteorhodopsin. Faraday Discussions, 2018, 207, 137-152.	3.2	12
13	Retinal isomerization in bacteriorhodopsin captured by a femtosecond x-ray laser. Science, 2018, 361, .	12.6	285
14	Excitation Energies of Canonical Nucleobases Computed by Multiconfigurational Perturbation Theories. Photochemistry and Photobiology, 2017, 93, 888-902.	2.5	16
15	Ir(III)-PC(sp ³)P Bifunctional Catalysts for Production of H ₂ by Dehydrogenation of Formic Acid: Experimental and Theoretical Study. ACS Catalysis, 2017, 7, 8139-8146.	11.2	46