Veniamin A Borin

List of Publications by Year
in descending order

15	805	933447 10	996975 15
papers	citations	h-index	g-index

16	16	16	1405
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Retinal isomerization in bacteriorhodopsin captured by a femtosecond x-ray laser. Science, 2018, 361, .	12.6	285
2	Modern quantum chemistry with [Open]Molcas. Journal of Chemical Physics, 2020, 152, 214117.	3.0	281
3	Ir(III)-PC(sp³)P Bifunctional Catalysts for Production of H₂ by Dehydrogenation of Formic Acid: Experimental and Theoretical Study. ACS Catalysis, 2017, 7, 8139-8146.	11.2	46
4	NeoR, a near-infrared absorbing rhodopsin. Nature Communications, 2020, 11, 5682.	12.8	45
5	Frontiers in Multiscale Modeling of Photoreceptor Proteins. Photochemistry and Photobiology, 2021, 97, 243-269.	2.5	26
6	Signal transduction in light-oxygen-voltage receptors lacking the active-site glutamine. Nature Communications, 2022, 13, 2618.	12.8	25
7	Rhodopsin-bestrophin fusion proteins from unicellular algae form gigantic pentameric ion channels. Nature Structural and Molecular Biology, 2022, 29, 592-603.	8.2	23
8	Excitation Energies of Canonical Nucleobases Computed by Multiconfigurational Perturbation Theories. Photochemistry and Photobiology, 2017, 93, 888-902.	2.5	16
9	Spectroscopic Properties of Lumiflavin: A Quantum Chemical Study. Photochemistry and Photobiology, 2019, 95, 662-674.	2.5	15
10	A QM/MM study of the initial excited state dynamics of green-absorbing proteorhodopsin. Faraday Discussions, 2018, 207, 137-152.	3.2	12
11	Bending versus Twisting Acenes â€“ A Computational Study. European Journal of Organic Chemistry, 2021, 2021, 5424-5429.	2.4	8
12	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
13	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
14	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
15	Tuning Quantum Dots Coupling Using Organic Linkers with Different Vibrational Modes. Journal of Physical Chemistry C, 2020, 124, 16159-16165.	3.1	3