Dmitrii M Nikolaev

List of Publications by Year
in descending order

9	109	1478505 6	1474206 9
papers	citations	h-index	g-index

9	9	9	102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Simple Models to Study Spectral Properties of Microbial and Animal Rhodopsins: Evaluation of the Electrostatic Effect of Charged and Polar Residues on the First Absorption Band Maxima. International Journal of Molecular Sciences, 2021, 22, 3029.	4.1	9
2	Free Energy Computation for an Isomerizing Chromophore in a Molecular Cavity via the Average Solvent Electrostatic Configuration Model: Applications in Rhodopsin and Rhodopsin-Mimicking Systems. Journal of Chemical Theory and Computation, 2021, 17, 5885-5895.	5.3	5
3	Photopharmacological compounds based on azobenzenes and azoheteroarenes: principles of molecular design, molecular modelling, and synthesis. Russian Chemical Reviews, 2021, 90, 868-893.	6.5	11
4	Azobenzene/Tetraethyl Ammonium Photochromic Potassium Channel Blockers: Scope and Limitations for Design of Para-Substituted Derivatives with Specific Absorption Band Maxima and Thermal Isomerization Rate. International Journal of Molecular Sciences, 2021, 22, 13171.	4.1	4
5	An assessment of water placement algorithms in quantum mechanics/molecular mechanics modeling: the case of rhodopsinsâ€™ first spectral absorption band maxima. Physical Chemistry Chemical Physics, 2020, 22, 18114-18123.	2.8	12
6	Quantum Mechanical and Molecular Mechanics Modeling of Membrane-Embedded Rhodopsins. Journal of Membrane Biology, 2019, 252, 425-449.	2.1	11
7	A Comparative Study of Modern Homology Modeling Algorithms for Rhodopsin Structure Prediction. ACS Omega, 2018, 3, 7555-7566.	3.5	43
8	AÂvoltage-dependent fluorescent indicator for optogenetic applications, archaerhodopsin-3: Structure and optical properties from in silico modeling. F1000Research, 2017, 6, 33.	1.6	8
9	AÂvoltage-dependent fluorescent indicator for optogenetic applications, archaerhodopsin-3: Structure and optical properties from in silico modeling. F1000Research, 2017, 6, 33.	1.6	6