

Andrei K Dioumaev

List of Publications by Year in descending order

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19
papers

1,159
citations

567281

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794594

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docs citations

19
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Driven Na ⁺ Pump from <i>Gillisia limnaea</i> : A High-Affinity Na ⁺ Binding Site Is Formed Transiently in the Photocycle. <i>Biochemistry</i> , 2014, 53, 7549-7561.	2.5	80
2	Breaking the Carboxyl Rule. <i>Journal of Biological Chemistry</i> , 2013, 288, 21254-21265.	3.4	36
3	Photocycle of <i>Exiguobacterium sibiricum</i> Rhodopsin Characterized by Low-Temperature Trapping in the IR and Time-Resolved Studies in the Visible. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7235-7253.	2.6	26
4	Low-Temperature FTIR Study of Multiple K Intermediates in the Photocycles of Bacteriorhodopsin and Xanthorhodopsin. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2920-2931.	2.6	11
5	Infrared Monitoring of Interlayer Water in Stacks of Purple Membranes. <i>Photochemistry and Photobiology</i> , 2009, 85, 598-608.	2.5	6
6	Two Bathointermediates of the Bacteriorhodopsin Photocycle, from Time-Resolved Nanosecond Spectra in the Visible. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16643-16653.	2.6	6
7	Switch from Conventional to Distributed Kinetics in the Bacteriorhodopsin Photocycle. <i>Biochemistry</i> , 2008, 47, 11125-11133.	2.5	8
8	Bacteriorhodopsin photocycle at cryogenic temperatures reveals distributed barriers of conformational substates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9621-9626.	7.1	27
9	Proton Transport by Proteorhodopsin Requires that the Retinal Schiff Base Counterion Asp-97 Be Anionic. <i>Biochemistry</i> , 2003, 42, 6582-6587.	2.5	92
10	Proton Transfers in the Photochemical Reaction Cycle of Proteorhodopsin. <i>Biochemistry</i> , 2002, 41, 5348-5358.	2.5	203
11	Photochemical Reaction Cycle and Proton Transfers in <i>Neurospora</i> Rhodopsin. <i>Journal of Biological Chemistry</i> , 2001, 276, 32495-32505.	3.4	60
12	Fourier Transform Infrared Spectra of a Late Intermediate of the Bacteriorhodopsin Photocycle Suggest Transient Protonation of Asp-212. <i>Biochemistry</i> , 1999, 38, 10070-10078.	2.5	67
13	Local-Access Model for Proton Transfer in Bacteriorhodopsin. <i>Biochemistry</i> , 1998, 37, 3982-3993.	2.5	78
14	Existence of a Proton Transfer Chain in Bacteriorhodopsin: Participation of Glu-194 in the Release of Protons to the Extracellular Surface. <i>Biochemistry</i> , 1998, 37, 2496-2506.	2.5	173
15	Connectivity of the Retinal Schiff Base to Asp85 and Asp96 during the Bacteriorhodopsin Photocycle: The Local-Access Model. <i>Biophysical Journal</i> , 1998, 75, 1455-1465.	0.5	67
16	Two Bathointermediates of the Bacteriorhodopsin Photocycle, Distinguished by Nanosecond Time-Resolved FTIR Spectroscopy at Room Temperature. <i>Journal of Physical Chemistry B</i> , 1997, 101, 1655-1662.	2.6	56
17	Nano- and Microsecond Time-Resolved FTIR Spectroscopy of the Halorhodopsin Photocycle. <i>Photochemistry and Photobiology</i> , 1997, 66, 755-763.	2.5	25
18	Evaluation of intrinsic chemical kinetics and transient product spectra from time-resolved spectroscopic data. <i>Biophysical Chemistry</i> , 1997, 67, 1-25.	2.8	69

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19	Modeling Vibrational Spectra of Amino Acid Side Chains in Proteins: The Carbonyl Stretch Frequency of Buried Carboxylic Residues. <i>Journal of the American Chemical Society</i> , 1995, 117, 10572-10574.	13.7	69