

Omar Davulcu

List of Publications by Year in descending order

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papers

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1163117

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494
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression and Purification of Adeno-associated Virus Virus-like Particles in a Baculovirus System and AAVR Ectodomain Constructs in E. coli. <i>Bio-protocol</i> , 2020, 10, e3513.	0.4	9
2	Structure of the gene therapy vector, adeno-associated virus with its cell receptor, AAVR. <i>ELife</i> , 2019, 8, .	6.0	60
3	Elevated μ s-ms timescale backbone dynamics in the transition state analog form of arginine kinase. <i>Journal of Structural Biology</i> , 2017, 200, 258-266.	2.8	1
4	The 2.8Å... Electron Microscopy Structure of Adeno-Associated Virus-DJ Bound by a Heparinoid Pentasaccharide. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 5, 1-12.	4.1	30
5	The Michaelis Complex of Arginine Kinase Samples the Transition State at a Frequency That Matches the Catalytic Rate. <i>Journal of the American Chemical Society</i> , 2017, 139, 4846-4853.	13.7	14
6	Adeno-associated Virus (AAV) Serotypes Have Distinctive Interactions with Domains of the Cellular AAV Receptor. <i>Journal of Virology</i> , 2017, 91, .	3.4	119
7	The Sampling of Conformational Dynamics in Ambient-Temperature Crystal Structures of Arginine Kinase. <i>Structure</i> , 2016, 24, 1658-1667.	3.3	5
8	Parsimony in Protein Conformational Change. <i>Structure</i> , 2015, 23, 1190-1198.	3.3	7
9	Backbone resonance assignments of the 42kDa enzyme arginine kinase in the transition state analogue form. <i>Biomolecular NMR Assignments</i> , 2014, 8, 335-338.	0.8	3
10	Rate-Limiting Domain and Loop Motions in Arginine Kinase. <i>Biochemistry</i> , 2011, 50, 4011-4018.	2.5	15
11	Arginine Kinase: Joint Crystallographic and NMR RDC Analyses Link Substrate-Associated Motions to Intrinsic Flexibility. <i>Journal of Molecular Biology</i> , 2011, 405, 479-496.	4.2	35
12	The Structure of Lombricine Kinase. <i>Journal of Biological Chemistry</i> , 2011, 286, 9338-9350.	3.4	20
13	Intrinsic Domain and Loop Dynamics Commensurate with Catalytic Turnover in an Induced-Fit Enzyme. <i>Structure</i> , 2009, 17, 1356-1367.	3.3	25
14	Main chain ^1H , ^{13}C , and ^{15}N resonance assignments of the 42-kDa enzyme arginine kinase. <i>Journal of Biomolecular NMR</i> , 2005, 32, 178-178.	2.8	8