

Martin Klvana

List of Publications by Year in descending order

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11
papers

1,613
citations

933447

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1281871

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11
docs citations

11
times ranked

2624
citing authors

#	ARTICLE	IF	CITATIONS
1	Aflatoxin B1â€™Formamidopyrimidine DNA Adducts: Relationships between Structures, Free Energies, and Melting Temperatures. <i>Molecules</i> , 2019, 24, 150.	3.8	21
2	Uniform Free-Energy Profiles of the Pâ€™O Bond Formation and Cleavage Reactions Catalyzed by DNA Polymerases Î² and Î³. <i>Journal of Physical Chemistry B</i> , 2016, 120, 13017-13030.	2.6	16
3	CAVER 3.0: A Tool for the Analysis of Transport Pathways in Dynamic Protein Structures. <i>PLoS Computational Biology</i> , 2012, 8, e1002708.	3.2	991
4	Catalytic Effects of Mutations of Distant Protein Residues in Human DNA Polymerase Î²: Theory and Experiment. <i>Biochemistry</i> , 2012, 51, 8829-8843.	2.5	12
5	An Abridged Transition State Model To Derive Structure, Dynamics, and Energy Components of DNA Polymerase Î² Fidelity. <i>Biochemistry</i> , 2011, 50, 7023-7032.	2.5	8
6	Redesigning dehalogenase access tunnels as a strategy for degrading an anthropogenic substrate. <i>Nature Chemical Biology</i> , 2009, 5, 727-733.	8.0	238
7	Pathways and Mechanisms for Product Release in the Engineered Haloalkane Dehalogenases Explored Using Classical and Random Acceleration Molecular Dynamics Simulations. <i>Journal of Molecular Biology</i> , 2009, 392, 1339-1356.	4.2	89
8	The identification of catalytic pentad in the haloalkane dehalogenase DhmA from <i>Mycobacterium avium</i> N85: Reaction mechanism and molecular evolution. <i>Journal of Structural Biology</i> , 2007, 157, 384-392.	2.8	14
9	Degradation of Î²-hexachlorocyclohexane by haloalkane dehalogenase LinB from Î³-hexachlorocyclohexane-utilizing bacterium <i>Sphingobium</i> sp. MI1205. <i>Archives of Microbiology</i> , 2007, 188, 313-325.	2.2	62
10	Crystal Structure of Haloalkane Dehalogenase LinB from <i>Sphingomonas paucimobilis</i> UT26 at 0.95 Å.. Resolution:â€™ Dynamics of Catalytic Residues,. <i>Biochemistry</i> , 2004, 43, 870-878.	2.5	82
11	Catalytic Mechanism of the Haloalkane Dehalogenase LinB from <i>Sphingomonas paucimobilis</i> UT26. <i>Journal of Biological Chemistry</i> , 2003, 278, 45094-45100.	3.4	80