

Martin Klvana

List of Publications by Year in descending order

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11
papers

1,613
citations

933447

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h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

2624
citing authors

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