

Juan Aranda

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

350
citations

840776

11
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

595
citing authors

#	ARTICLE	IF	CITATIONS
1	Side chain to main chain hydrogen bonds stabilize a polyglutamine helix in a transcription factor. <i>Nature Communications</i> , 2019, 10, 2034.	12.8	78
2	The Catalytic Mechanism of Carboxylesterases: A Computational Study. <i>Biochemistry</i> , 2014, 53, 5820-5829.	2.5	53
3	Singlet Oxygen Attack on Guanine: Reactivity and Structural Signature within the B-DNA Helix. <i>Chemistry - A European Journal</i> , 2016, 22, 12358-12362.	3.3	34
4	Unraveling the Reaction Mechanism of Enzymatic C5-Cytosine Methylation of DNA. A Combined Molecular Dynamics and QM/MM Study of Wild Type and Gln119 Variant. <i>ACS Catalysis</i> , 2016, 6, 3262-3276.	11.2	30
5	Dynamics and Reactivity in <i>Thermus aquaticus</i> N6-Adenine Methyltransferase. <i>Journal of the American Chemical Society</i> , 2014, 136, 16227-16239.	13.7	22
6	Mechanism of reaction of RNA-dependent RNA polymerase from SARS-CoV-2. <i>Chem Catalysis</i> , 2022, 2, 1084-1099.	6.1	20
7	An artificial DNAzyme RNA ligase shows a reaction mechanism resembling that of cellular polymerases. <i>Nature Catalysis</i> , 2019, 2, 544-552.	34.4	18
8	Mutation in KARS: A novel mechanism for severe anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1855-1864.e9.	2.9	14
9	Regioselectivity of the OH Radical Addition to Uracil in Nucleic Acids. A Theoretical Approach Based on QM/MM Simulations. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 5089-5096.	5.3	13
10	Mechanism of Sulfur Transfer Across Protein-Protein Interfaces: The Cysteine Desulfurase Model System. <i>ACS Catalysis</i> , 2016, 6, 3975-3984.	11.2	12
11	Plasticity in oligomerization, operator architecture, and DNA binding in the mode of action of a bacterial B12-based photoreceptor. <i>Journal of Biological Chemistry</i> , 2018, 293, 17888-17905.	3.4	12
12	Theoretical Study of the Catalytic Mechanism of DNA-(N4-Cytosine)-Methyltransferase from the Bacterium <i>Proteus vulgaris</i> . <i>Journal of Physical Chemistry B</i> , 2010, 114, 8467-8473.	2.6	10
13	Substrate promiscuity in DNA methyltransferase M.PvuII. A mechanistic insight. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5395.	2.8	8
14	Molecular Mechanism of Inhibition of DNA Methylation by Zebularine. <i>ACS Catalysis</i> , 2017, 7, 1728-1732.	11.2	7
15	Modeling methods for studying post-translational and transcriptional modifying enzymes. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 465-471.	6.1	5
16	DFFR: A New Method for High-Throughput Recalibration of Automatic Force-Fields for Drugs. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 6598-6608.	5.3	5
17	Free energy profiles for two ubiquitous damaging agents: methylation and hydroxylation of guanine in B-DNA. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14695-14701.	2.8	3
18	Insights into the inhibited form of the redox-sensitive SufE-like sulfur acceptor CsdE. <i>PLoS ONE</i> , 2017, 12, e0186286.	2.5	0

#	ARTICLE	IF	CITATIONS
19	Glutamine Side-Chain to Main Chain Hydrogen Bonds Can be used to Design Single Alpha-Helices that are Stable at Room Temperature. Biophysical Journal, 2020, 118, 369a-370a.	0.5	0