

Xiaohui Cang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

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citations

840776

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all docs

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docs citations

23
times ranked

632
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the Broad Matrix-Gate Network in the Mitochondrial ADP/ATP Carrier through Molecular Dynamics Simulations. <i>Molecules</i> , 2022, 27, 1071.	3.8	6
2	Mechanistic insights into multiple-step transport of mitochondrial ADP/ATP carrier. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 1829-1840.	4.1	5
3	Heteroplasmic and homoplasmic m.616T>C in mitochondria tRNAPhe promote isolated chronic kidney disease and hyperuricemia. <i>JCI Insight</i> , 2022, 7, .	5.0	7
4	The effects of cardiolipin on the structural dynamics of the mitochondrial ADP/ATP carrier in its cytosol-open state. <i>Journal of Lipid Research</i> , 2022, 63, 100227.	4.2	9
5	Function-related asymmetry of the specific cardiolipin binding sites on the mitochondrial ADP/ATP carrier. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183466.	2.6	15
6	Phosphorothioate Substitutions in RNA Structure Studied by Molecular Dynamics Simulations, QM/MM Calculations, and NMR Experiments. <i>Journal of Physical Chemistry B</i> , 2021, 125, 825-840.	2.6	11
7	The low contagiousness and new A958D mutation of SARS-CoV-2 in children: An observational cohort study.. <i>International Journal of Infectious Diseases</i> , 2021, 111, 347-353.	3.3	2
8	A deafness-associated tRNA mutation caused pleiotropic effects on the m1G37 modification, processing, stability and aminoacylation of tRNA ^{Ile} and mitochondrial translation. <i>Nucleic Acids Research</i> , 2021, 49, 1075-1093.	14.5	19
9	O-GlcNAcylation of PGK1 coordinates glycolysis and TCA cycle to promote tumor growth. <i>Nature Communications</i> , 2020, 11, 36.	12.8	167
10	Overexpression of mitochondrial histidyl-tRNA synthetase restores mitochondrial dysfunction caused by a deafness-associated tRNA ^{His} mutation. <i>Journal of Biological Chemistry</i> , 2020, 295, 940-954.	3.4	10
11	Molecular mechanism of Bisphenol A on androgen receptor antagonism. <i>Toxicology in Vitro</i> , 2019, 61, 104621.	2.4	27
12	Population-based incremental learning for the prediction of Homo sapiens protein secondary structure. <i>International Journal of Biomathematics</i> , 2019, 12, 1950017.	2.9	0
13	Molecular dynamics simulations on apo ADP/ATP carrier shed new lights on the featured motif of the mitochondrial carriers. <i>Mitochondrion</i> , 2019, 47, 94-102.	3.4	15
14	Contribution of a mitochondrial tyrosyl-tRNA synthetase mutation to the phenotypic expression of the deafness-associated tRNA ^{Ser} (UCN) 7511A>G mutation. <i>Journal of Biological Chemistry</i> , 2019, 294, 19292-19305.	3.4	17
15	A coronary artery disease-associated tRNA ^{Thr} mutation altered mitochondrial function, apoptosis and angiogenesis. <i>Nucleic Acids Research</i> , 2019, 47, 2056-2074.	14.5	51
16	Contribution of mitochondrial ND1 3394T>C mutation to the phenotypic manifestation of Leber's hereditary optic neuropathy. <i>Human Molecular Genetics</i> , 2019, 28, 1515-1529.	2.9	26
17	A new gradient stochastic ranking-based multi-indicator algorithm for many-objective optimization. <i>Soft Computing</i> , 2019, 23, 10911-10929.	3.6	2
18	Biochemical Evidence for a Nuclear Modifier Allele (A10S) in TRMU (Methylaminomethyl-2-thiouridylate-methyltransferase) Related to Mitochondrial tRNA Modification in the Phenotypic Manifestation of Deafness-associated 12S rRNA Mutation. <i>Journal of Biological Chemistry</i> , 2017, 292, 2881-2892.	3.4	47

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19	Cholesterol ¹ AR interaction versus cholesterol ² AR interaction. Proteins: Structure, Function and Bioinformatics, 2014, 82, 760-770.	2.6	29
20	Mapping the Functional Binding Sites of Cholesterol in β_2 -Adrenergic Receptor by Long-Time Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2013, 117, 1085-1094.	2.6	80