

Burak T Kaynak

List of Publications by Year in descending order

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20
papers

407
citations

933447

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839539

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22
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Sampling of Protein Conformational Space Using Hybrid Simulations: A Critical Assessment of Recent Methods. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 832847.	3.5	14
2	Impact of new variants on SARS-CoV-2 infectivity and neutralization: A molecular assessment of the alterations in the spike-host protein interactions. <i>IScience</i> , 2022, 25, 103939.	4.1	32
3	Precise druggability of the PTH type 1 receptor. <i>Nature Chemical Biology</i> , 2022, 18, 272-280.	8.0	11
4	State-dependent sequential allostery exhibited by chaperonin TRiC/CCT revealed by network analysis of Cryo-EM maps. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 104-120.	2.9	12
5	<i>ProDy</i> 2.0: increased scale and scope after 10 years of protein dynamics modelling with Python. <i>Bioinformatics</i> , 2021, 37, 3657-3659.	4.1	93
6	Precision druggability of a class B GPCR, the PTH type 1 receptor. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
7	ClustENMD: efficient sampling of biomolecular conformational space at atomic resolution. <i>Bioinformatics</i> , 2021, 37, 3956-3958.	4.1	11
8	Intrinsic dynamics is evolutionarily optimized to enable allosteric behavior. <i>Current Opinion in Structural Biology</i> , 2020, 62, 14-21.	5.7	85
9	Essential site scanning analysis: A new approach for detecting sites that modulate the dispersion of protein global motions. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1577-1586.	4.1	35
10	Proteinâ€“Ligand Complexes as Constrained Dynamical Systems. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2352-2358.	5.4	10
11	RESPEC Incorporates Residue Specificity and the Ligand Effect into the Elastic Network Model. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5347-5355.	2.6	16
12	Infinitely many singular interactions on noncompact manifolds. <i>Annals of Physics</i> , 2015, 356, 426-437.	2.8	0
13	Compact submanifolds supporting singular interactions. <i>Annals of Physics</i> , 2013, 339, 266-292.	2.8	4
14	Singular interactions supported by embedded curves. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 265202.	2.1	7
15	A Kleinâ€“Gordon particle captured by embedded curves. <i>Annals of Physics</i> , 2012, 327, 2605-2616.	2.8	3
16	The relativistic Lee model on Riemannian manifolds. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 225402.	2.1	6
17	Symbol calculus and zeta-function regularized determinants. <i>Journal of Mathematical Physics</i> , 2007, 48, 113501.	1.1	1
18	String theory in the Penrose limit of AdS2Ã—S2 spacetime. <i>Physical Review D</i> , 2005, 71, .	4.7	1

#	ARTICLE	IF	CITATIONS
19	MULTI-BLACK HOLES SOLUTION WITH COSMIC STRINGS. International Journal of Modern Physics A, 2004, 19, 1549-1557.	1.5	14
20	Noncommutative phase and unitarization of $GL_p, q(2)$. Journal of Mathematical Physics, 2003, 44, 1730-1734.	1.1	3