Burak T Kaynak

List of Publications by Year
in descending order

20 papers	407 citations

933447

10 h-index	18 g-index

839539

22 all docs	22 docs citations
22 times ranked	562 citing authors

#	Article	IF	Citations
1	*ProDy* 2.0: increased scale and scope after 10 years of protein dynamics modelling with Python. Bioinformatics, 2021, 37, 3657-3659.	4.1	93
2	Intrinsic dynamics is evolutionarily optimized to enable allosteric behavior. Current Opinion in Structural Biology, 2020, 62, 14-21.	5.7	85
3	Essential site scanning analysis: A new approach for detecting sites that modulate the dispersion of protein global motions. Computational and Structural Biotechnology Journal, 2020, 18, 1577-1586.	4.1	35
4	Impact of new variants on SARS-CoV-2 infectivity and neutralization: A molecular assessment of the alterations in the spike-host protein interactions. IScience, 2022, 25, 103939.	4.1	32
5	RESPEC Incorporates Residue Specificity and the Ligand Effect into the Elastic Network Model. Journal of Physical Chemistry B, 2018, 122, 5347-5355.	2.6	16
6	MULTI-BLACK HOLES SOLUTION WITH COSMIC STRINGS. International Journal of Modern Physics A, 2004, 19, 1549-1557.	1.5	14
7	Sampling of Protein Conformational Space Using Hybrid Simulations: A Critical Assessment of Recent Methods. Frontiers in Molecular Biosciences, 2022, 9, 832847.	3.5	14
8	State-dependent sequential allostery exhibited by chaperonin TRiC/CCT revealed by network analysis of Cryo-EM maps. Progress in Biophysics and Molecular Biology, 2021, 160, 104-120.	2.9	12
9	ClustENMD: efficient sampling of biomolecular conformational space at atomic resolution. Bioinformatics, 2021, 37, 3956-3958.	4.1	11
10	Precise druggability of the PTH type 1 receptor. Nature Chemical Biology, 2022, 18, 272-280.	8.0	11
11	Protein–Ligand Complexes as Constrained Dynamical Systems. Journal of Chemical Information and Modeling, 2019, 59, 2352-2358.	5.4	10
12	Singular interactions supported by embedded curves. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 265202.	2.1	7
13	The relativistic Lee model on Riemannian manifolds. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 225402.	2.1	6
14	Compact submanifolds supporting singular interactions. Annals of Physics, 2013, 339, 266-292.	2.8	4
15	Noncommutative phase and unitarization of GLp,q(2). Journal of Mathematical Physics, 2003, 44, 1730-1734.	1.1	3
16	A Klein–Gordon particle captured by embedded curves. Annals of Physics, 2012, 327, 2605-2616.	2.8	3
17	String theory in the Penrose limit of $AdS2 \times S2$ spacetime. Physical Review D, 2005, 71, .	4.7	1
18	Symbol calculus and zeta-function regularized determinants. Journal of Mathematical Physics, 2007, 48, 113501.	1.1	1

#	Article	IF	Citations
19	Infinitely many singular interactions on noncompact manifolds. Annals of Physics, 2015, 356, 426-437.	2.8	0
20	Precision druggability of a class B GPCR, the PTH type 1 receptor. FASEB Journal, 2021, 35, .	0.5	0