

Alpan Raval

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,896
citations

361413

20
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

2586
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive COVID-19 Forecasting via Bayesian Optimization. , 2021, , .		3
2	A genome wide dosage suppressor network reveals genomic robustness. Nucleic Acids Research, 2017, 45, 255-270.	14.5	13
3	Assessment of the utility of contact-based restraints in accelerating the prediction of protein structure using molecular dynamics simulations. Protein Science, 2016, 25, 19-29.	7.6	26
4	Differential hepatic protein tyrosine nitration of mouse due to aging " Effect on mitochondrial energy metabolism, quality control machinery of the endoplasmic reticulum and metabolism of drugs. Biochemical and Biophysical Research Communications, 2013, 430, 231-235.	2.1	9
5	Refinement of protein structure homology models via long, all-atom molecular dynamics simulations. Proteins: Structure, Function and Bioinformatics, 2012, 80, 2071-2079.	2.6	226
6	Computational Modeling in Systems Biology. Methods in Molecular Biology, 2010, 662, 97-120.	0.9	11
7	Identifying Hubs in Protein Interaction Networks. PLoS ONE, 2009, 4, e5344.	2.5	163
8	Detection of genomic islands via segmental genome heterogeneity. Nucleic Acids Research, 2009, 37, 5255-5266.	14.5	51
9	Proteome profiling of aging in mouse models: Differential expression of proteins involved in metabolism, transport, and stress response in kidney. Proteomics, 2009, 9, 580-597.	2.2	21
10	A highly uniform UV transillumination imaging system for quantitative analysis of nucleic acids and proteins. Proteomics, 2008, 8, 1789-1797.	2.2	8
11	Bayesian Monte Carlo estimation for profile hidden Markov models. Mathematical and Computer Modelling, 2008, 47, 1198-1216.	2.0	6
12	Mining protein networks for synthetic genetic interactions. BMC Bioinformatics, 2008, 9, 426.	2.6	59
13	Proteomic profiling of aging in the mouse heart: Altered expression of mitochondrial proteins. Archives of Biochemistry and Biophysics, 2008, 474, 22-31.	3.0	39
14	Molecular Clock on a Neutral Network. Physical Review Letters, 2007, 99, 138104.	7.8	11
15	Thermodynamics of Neutral Protein Evolution. Genetics, 2007, 175, 255-266.	2.9	137
16	Evolution favors protein mutational robustness in sufficiently large populations. BMC Biology, 2007, 5, 29.	3.8	100
17	PathSys: integrating molecular interaction graphs for systems biology. BMC Bioinformatics, 2006, 7, 55.	2.6	50
18	A Single Determinant Dominates the Rate of Yeast Protein Evolution. Molecular Biology and Evolution, 2006, 23, 327-337.	8.9	373

#	ARTICLE	IF	CITATIONS
19	Predicting the Tolerance of Proteins to Random Amino Acid Substitution. Biophysical Journal, 2005, 89, 3714-3720.	0.5	40
20	Black Hole Fluctuations and Backreaction in Stochastic Gravity. Foundations of Physics, 2003, 33, 37-64.	1.3	39
21	Some asymptotic properties of duplication graphs. Physical Review E, 2003, 68, 066119.	2.1	23
22	IS THERE EMITTED RADIATION IN UNRUH EFFECT?. , 2002, , .		0
23	A New Look at the Accelerating Universe. Physical Review Letters, 2001, 86, 749-752.	7.8	46
24	New quantum aspects of a vacuum-dominated universe. Physical Review D, 2000, 62, .	4.7	52
25	Vacuum effects of an ultralow mass particle account for the recent acceleration of the universe. Physical Review D, 1999, 60, .	4.7	39
26	Nonperturbative effects of vacuum energy on the recent expansion of the universe. Physical Review D, 1999, 60, .	4.7	154
27	Relation between Einstein and quantum field equations. Physical Review D, 1998, 57, 7327-7339.	4.7	3
28	Near-thermal radiation in detectors, mirrors, and black holes: A stochastic approach. Physical Review D, 1997, 55, 4795-4812.	4.7	65
29	Thermal particle creation in cosmological spacetimes: A stochastic approach. Physical Review D, 1997, 56, 4905-4915.	4.7	9
30	THERMAL RADIANCE FROM BLACK HOLE AND COSMOLOGICAL SPACETIMES: A UNIFIED VIEW. Modern Physics Letters A, 1996, 11, 2625-2638.	1.2	7
31	Stochastic theory of accelerated detectors in a quantum field. Physical Review D, 1996, 53, 7003-7019.	4.7	77