

Enrico Guarnera

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,588
citations

361413

20
h-index

477307

29
g-index

35
all docs

35
docs citations

35
times ranked

1481
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin-Degrading Enzyme in the Fight against Alzheimer's Disease. Trends in Pharmacological Sciences, 2018, 39, 49-58.	8.7	133
2	Pathways and Intermediates of Amyloid Fibril Formation. Journal of Molecular Biology, 2007, 374, 917-924.	4.2	132
3	Amyloid Fibril Polymorphism Is under Kinetic Control. Journal of the American Chemical Society, 2010, 132, 14960-14970.	13.7	125
4	Allosteric sites: remote control in regulation of protein activity. Current Opinion in Structural Biology, 2016, 37, 1-8.	5.7	120
5	Structure-Based Statistical Mechanical Model Accounts for the Causality and Energetics of Allosteric Communication. PLoS Computational Biology, 2016, 12, e1004678.	3.2	117
6	AlloSigMA: allosteric signaling and mutation analysis server. Bioinformatics, 2017, 33, 3996-3998.	4.1	116
7	On the perturbation nature of allostery: sites, mutations, and signal modulation. Current Opinion in Structural Biology, 2019, 56, 18-27.	5.7	85
8	Allosteric drugs and mutations: chances, challenges, and necessity. Current Opinion in Structural Biology, 2020, 62, 149-157.	5.7	80
9	Reversing allosteric communication: From detecting allosteric sites to inducing and tuning targeted allosteric response. PLoS Computational Biology, 2018, 14, e1006228.	3.2	66
10	Toward Comprehensive Allosteric Control over Protein Activity. Structure, 2019, 27, 866-878.e1.	3.3	66
11	AlloMAPS: allosteric mutation analysis and polymorphism of signaling database. Nucleic Acids Research, 2019, 47, D265-D270.	14.5	60
12	The Telomere-Binding Protein Tbf1 Demarcates snoRNA Gene Promoters in Saccharomyces cerevisiae. Molecular Cell, 2010, 38, 614-620.	9.7	58
13	AlloSigMA 2: paving the way to designing allosteric effectors and to exploring allosteric effects of mutations. Nucleic Acids Research, 2020, 48, W116-W124.	14.5	57
14	Protein function machinery: from basic structural units to modulation of activity. Current Opinion in Structural Biology, 2017, 42, 67-74.	5.7	48
15	Toward Allosterically Increased Catalytic Activity of Insulin-Degrading Enzyme against Amyloid Peptides. Biochemistry, 2017, 56, 228-239.	2.5	47
16	On the Allosteric Effect of nsSNPs and the Emerging Importance of Allosteric Polymorphism. Journal of Molecular Biology, 2019, 431, 3933-3942.	4.2	47
17	Basic units of protein structure, folding, and function. Progress in Biophysics and Molecular Biology, 2017, 128, 85-99.	2.9	37
18	Estimation of protein folding probability from equilibrium simulations. Journal of Chemical Physics, 2005, 122, 184901.	3.0	35

#	ARTICLE	IF	CITATIONS
19	Exploring the Allosteric Territory of Protein Function. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3763-3780.	2.6	26
20	Synergistic Allostery in Multiligand-Protein Interactions. <i>Biophysical Journal</i> , 2020, 119, 1833-1848.	0.5	24
21	Allosteric perspective on the mutability and druggability of the SARS-CoV-2 Spike protein. <i>Structure</i> , 2022, 30, 590-607.e4.	3.3	24
22	How Does a Simplified-Sequence Protein Fold?. <i>Biophysical Journal</i> , 2009, 97, 1737-1746.	0.5	21
23	Disorder driven allosteric control of protein activity. <i>Current Research in Structural Biology</i> , 2020, 2, 191-203.	2.2	21
24	Optimized Markov state models for metastable systems. <i>Journal of Chemical Physics</i> , 2016, 145, 024102.	3.0	16
25	Exploring chromatin hierarchical organization via Markov State Modelling. <i>PLoS Computational Biology</i> , 2018, 14, e1006686.	3.2	11
26	Conservation and Diversity in Allosteric Fingerprints of Proteins for Evolutionary-inspired Engineering and Design. <i>Journal of Molecular Biology</i> , 2022, 434, 167577.	4.2	8
27	Three-dimensional chromatin ensemble reconstruction via stochastic embedding. <i>Structure</i> , 2021, 29, 622-634.e3.	3.3	4
28	Getting Allosteric Control over Protein Activity: New Developments. <i>Biophysical Journal</i> , 2018, 114, 420a.	0.5	1
29	From Inducing Allosteric Signaling to Exploring the Allosteric Effect of SNPS and Allosteric Polymorphism. <i>Biophysical Journal</i> , 2020, 118, 51a-52a.	0.5	1
30	How today's scientific culture affects young scientists. <i>BioEssays</i> , 2010, 32, 369-371.	2.5	0
31	Statistical Physics of the Causality and Energetics in Allosteric Communication. <i>Biophysical Journal</i> , 2016, 110, 54a.	0.5	0
32	Random Walk in the Realm of Chromatin. <i>Biophysical Journal</i> , 2018, 114, 257a.	0.5	0
33	Towards Comprehensive Control and Design of Targeted Signalling in Allosteric Regulation of Protein Activity. <i>Biophysical Journal</i> , 2019, 116, 463a.	0.5	0