Ahmet Bakan

List of Publications by Year
in descending order

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Version: 2024-02-01

17 papers	2,562 citations	567281 15 h-index	996975 15 g-index
18 all docs	18 docs citations	18 times ranked	3824 citing authors

#	Article	IF	Citations
1	ProDy: Protein Dynamics Inferred from Theory and Experiments. Bioinformatics, 2011, 27, 1575-1577.	4.1	907
2	Normal Mode Analysis of Biomolecular Structures: Functional Mechanisms of Membrane Proteins. Chemical Reviews, 2010, 110, 1463-1497.	47.7	461
3	The intrinsic dynamics of enzymes plays a dominant role in determining the structural changes induced upon inhibitor binding. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14349-14354.	7.1	248
4	Zebrafish chemical screening reveals an inhibitor of Dusp6 that expands cardiac cell lineages. Nature Chemical Biology, 2009, 5, 680-687.	8.0	221
5	Evol and ProDy for bridging protein sequence evolution and structural dynamics. Bioinformatics, 2014, 30, 2681-2683.	4.1	207
6	Druggability Assessment of Allosteric Proteins by Dynamics Simulations in the Presence of Probe Molecules. Journal of Chemical Theory and Computation, 2012, 8, 2435-2447.	5.3	138
7	Preâ€existing soft modes of motion uniquely defined by native contact topology facilitate ligand binding to proteins. Protein Science, 2011, 20, 1645-1658.	7.6	84
8	In Vivo Structureâ€“Activity Relationship Studies Support Allosteric Targeting of a Dual Specificity Phosphatase. ChemBioChem, 2014, 15, 1436-1445.	2.6	54
9	Coupling between Catalytic Loop Motions and Enzyme Global Dynamics. PLoS Computational Biology, 2012, 8, e1002705.	3.2	42
10	Designing inhibitors of cytochrome c/cardiolipin peroxidase complexes: mitochondria-targeted imidazole-substituted fatty acids. Free Radical Biology and Medicine, 2014, 71, 221-230.	2.9	40
11	Toward a Molecular Understanding of the Interaction of Dual Specificity Phosphatases with Substrates: Insights from Structure-Based Modeling and High Throughput Screening. Current Medicinal Chemistry, 2008, 15, 2536-2544.	2.4	35
12	Synthesis and biological evaluation of 3-aminoisoquinolin-1(2H)-one based inhibitors of the dual-specificity phosphatase Cdc25B. Bioorganic and Medicinal Chemistry, 2015, 23, 2810-2818.	3.0	33
13	Structurally Unique Inhibitors of Human Mitogen-Activated Protein Kinase Phosphatase-1 Identified in a Pyrrole Carboxamide Library. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 940-947.	2.5	24
14	COMPUTATIONAL GENERATION INHIBITOR-BOUND CONFORMERS OF P38 MAP KINASE AND COMPARISON WITH EXPERIMENTS. , 2010, , 181-192.		22
15	Inhibition of Peroxidase Activity of Cytochrome c: De Novo Compound Discovery and Validation. Molecular Pharmacology, 2015, 88, 421-427.	2.3	19
16	Investigational inhibitors of PTP4A3 phosphatase as antineoplastic agents. Expert Opinion on Investigational Drugs, 2014, 23, 661-673.	4.1	15
17	Sodium-coupled Secondary Transporters: Insights from Structure-based Computations. , 2011, , 199-229.		2