

Ahmet Bakan

List of Publications by Year in descending order

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17
papers

2,562
citations

566801

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996533

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docs citations

18
times ranked

3824
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>ProDy</i> : Protein Dynamics Inferred from Theory and Experiments. <i>Bioinformatics</i> , 2011, 27, 1575-1577.	1.8	907
2	Normal Mode Analysis of Biomolecular Structures: Functional Mechanisms of Membrane Proteins. <i>Chemical Reviews</i> , 2010, 110, 1463-1497.	23.0	461
3	The intrinsic dynamics of enzymes plays a dominant role in determining the structural changes induced upon inhibitor binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14349-14354.	3.3	248
4	Zebrafish chemical screening reveals an inhibitor of Dusp6 that expands cardiac cell lineages. <i>Nature Chemical Biology</i> , 2009, 5, 680-687.	3.9	221
5	<i>Evol</i> and <i>ProDy</i> for bridging protein sequence evolution and structural dynamics. <i>Bioinformatics</i> , 2014, 30, 2681-2683.	1.8	207
6	Druggability Assessment of Allosteric Proteins by Dynamics Simulations in the Presence of Probe Molecules. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2435-2447.	2.3	138
7	Pre-existing soft modes of motion uniquely defined by native contact topology facilitate ligand binding to proteins. <i>Protein Science</i> , 2011, 20, 1645-1658.	3.1	84
8	In Vivo Structure-Activity Relationship Studies Support Allosteric Targeting of a Dual Specificity Phosphatase. <i>ChemBioChem</i> , 2014, 15, 1436-1445.	1.3	54
9	Coupling between Catalytic Loop Motions and Enzyme Global Dynamics. <i>PLoS Computational Biology</i> , 2012, 8, e1002705.	1.5	42
10	Designing inhibitors of cytochrome c/cardiolipin peroxidase complexes: mitochondria-targeted imidazole-substituted fatty acids. <i>Free Radical Biology and Medicine</i> , 2014, 71, 221-230.	1.3	40
11	Toward a Molecular Understanding of the Interaction of Dual Specificity Phosphatases with Substrates: Insights from Structure-Based Modeling and High Throughput Screening. <i>Current Medicinal Chemistry</i> , 2008, 15, 2536-2544.	1.2	35
12	Synthesis and biological evaluation of 3-aminoisoquinolin-1(2H)-one based inhibitors of the dual-specificity phosphatase Cdc25B. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2810-2818.	1.4	33
13	Structurally Unique Inhibitors of Human Mitogen-Activated Protein Kinase Phosphatase-1 Identified in a Pyrrole Carboxamide Library. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 940-947.	1.3	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 <i>c</i> : De Novo Compound Discovery and Validation. <i>Molecular Pharmacology</i> , 2015, 88, 421-427.	1.0	19
16	Investigational inhibitors of PTP4A3 phosphatase as antineoplastic agents. <i>Expert Opinion on Investigational Drugs</i> , 2014, 23, 661-673.	1.9	15
17	Sodium-coupled Secondary Transporters: Insights from Structure-based Computations. , 2011, , 199-229.		2