

David Giganti

List of Publications by Year in descending order

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20
papers

806
citations

687363

13
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Basal oxidation of conserved cysteines modulates cardiac titin stiffness and dynamics. <i>Redox Biology</i> , 2022, 52, 102306.	9.0	7
2	Dissecting the Structural and Chemical Determinants of the "Open-to-Closed" Motion in the Mannosyltransferase PimA from Mycobacteria. <i>Biochemistry</i> , 2020, 59, 2934-2945.	2.5	5
3	The force-dependent mechanism of DnaK-mediated mechanical folding. <i>Science Advances</i> , 2018, 4, eaaq0243.	10.3	37
4	Disulfide isomerization reactions in titin immunoglobulin domains enable a mode of protein elasticity. <i>Nature Communications</i> , 2018, 9, 185.	12.8	70
5	Conformational entropy of a single peptide controlled under force governs protease recognition and catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11525-11530.	7.1	11
6	Mechanical Modulation of Protease Activity Captured at the Single-Molecule Level. <i>Biophysical Journal</i> , 2017, 112, 456a.	0.5	0
7	Chaperone-Mediated Mechanical Protein Folding at the Single Molecule Level. <i>Biophysical Journal</i> , 2016, 110, 392a.	0.5	0
8	Secondary structure reshuffling modulates glycosyltransferase function at the membrane. <i>Nature Chemical Biology</i> , 2015, 11, 16-18.	8.0	44
9	S-Glutathionylation of Cryptic Cysteines Enhances Titin Elasticity by Blocking Protein Folding. <i>Cell</i> , 2014, 156, 1235-1246.	28.9	170
10	Structure-function relationships of membrane-associated GT-B glycosyltransferases. <i>Glycobiology</i> , 2014, 24, 108-124.	2.5	80
11	A novel Plasmodium-specific prodomain fold regulates the malaria drug target SUB1 subtilase. <i>Nature Communications</i> , 2014, 5, 4833.	12.8	20
12	Disulfide Bonds are Allosteric Regulator of Mechanical Stability. <i>Biophysical Journal</i> , 2014, 106, 449a-450a.	0.5	0
13	Large-Scale Modulation of Titin Elasticity by S-Glutathionylation of Cryptic Cysteines. <i>Biophysical Journal</i> , 2014, 106, 454a.	0.5	0
14	Elasticity, structure, and relaxation of extended proteins under force. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3847-3852.	7.1	81
15	In Silico Screening on the Three-dimensional Model of the Plasmodium vivax SUB1 Protease Leads to the Validation of a Novel Anti-parasite Compound. <i>Journal of Biological Chemistry</i> , 2013, 288, 18561-18573.	3.4	21
16	Conformational Plasticity of the Essential Membrane-associated Mannosyltransferase PimA from Mycobacteria. <i>Journal of Biological Chemistry</i> , 2013, 288, 29797-29808.	3.4	24
17	Comparative Evaluation of 3D Virtual Ligand Screening Methods: Impact of the Molecular Alignment on Enrichment. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 992-1004.	5.4	52
18	Substrate-induced Conformational Changes in the Essential Peripheral Membrane-associated Mannosyltransferase PimA from Mycobacteria. <i>Journal of Biological Chemistry</i> , 2009, 284, 21613-21625.	3.4	35

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19	Molecular Recognition and Interfacial Catalysis by the Essential Phosphatidylinositol Mannosyltransferase PimA from Mycobacteria. <i>Journal of Biological Chemistry</i> , 2007, 282, 20705-20714.	3.4	121
20	Three Dimensional Structure and Implications for the Catalytic Mechanism of 6-Phosphogluconolactonase from <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 2007, 366, 868-881.	4.2	21