

Zhe Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3330540/publications.pdf>

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15
papers

1,450
citations

566801

15
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

2196
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Dielectric ϵ -Constant of Proteins: Smooth Dielectric Function for Macromolecular Modeling and Its Implementation in DelPhi. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 2126-2136.	2.3	446
2	DelPhi: a comprehensive suite for DelPhi software and associated resources. <i>BMC Biophysics</i> , 2012, 5, 9.	4.4	315
3	On the role of electrostatics in protein-protein interactions. <i>Physical Biology</i> , 2011, 8, 035001.	0.8	139
4	Analyzing Effects of Naturally Occurring Missense Mutations. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-15.	0.7	111
5	Computational analysis of missense mutations causing Snyder-Robinson syndrome. <i>Human Mutation</i> , 2010, 31, 1043-1049.	1.1	85
6	Predicting folding free energy changes upon single point mutations. <i>Bioinformatics</i> , 2012, 28, 664-671.	1.8	85
7	In Silico and In Vitro Investigations of the Mutability of Disease-Causing Missense Mutation Sites in Spermine Synthase. <i>PLoS ONE</i> , 2011, 6, e20373.	1.1	53
8	In silico modeling of pH optimum of protein-protein binding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 925-936.	1.5	49
9	Developing hybrid approaches to predict pK_a values of ionizable groups. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 3389-3399.	1.5	36
10	A Y328C missense mutation in spermine synthase causes a mild form of Snyder-Robinson syndrome. <i>Human Molecular Genetics</i> , 2013, 22, 3789-3797.	1.4	31
11	Using DelPhi Capabilities to Mimic Protein's Conformational Reorganization with Amino Acid Specific Dielectric Constants. <i>Communications in Computational Physics</i> , 2013, 13, 13-30.	0.7	23
12	In Silico Investigation of pH-Dependence of Prolactin and Human Growth Hormone Binding to Human Prolactin Receptor. <i>Communications in Computational Physics</i> , 2013, 13, 207-222.	0.7	20
13	Rational Design of Small-Molecule Stabilizers of Spermine Synthase Dimer by Virtual Screening and Free Energy-Based Approach. <i>PLoS ONE</i> , 2014, 9, e110884.	1.1	20
14	Enhancing Human Spermine Synthase Activity by Engineered Mutations. <i>PLoS Computational Biology</i> , 2013, 9, e1002924.	1.5	19
15	A rational free energy-based approach to understanding and targeting disease-causing missense mutations. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013, 20, 643-651.	2.2	18