

Xia Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4583292/publications.pdf>

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12
papers

88
citations

1478505

6
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	QM/MM free energy Simulations of an efficient Gluten Hydrolase (Kuma030) Implicate for a Reactant-State Based Protein-Design Strategy for General Acid/Base Catalysis. Scientific Reports, 2018, 8, 7042.	3.3	17
2	Understanding the Catalytic Mechanism and the Nature of the Transition State of an Attractive Drug-Target Enzyme (Shikimate Kinase) by Quantum Mechanical/Molecular Mechanical (QM/MM) Studies. Chemistry - A European Journal, 2017, 23, 16380-16387.	3.3	14
3	Improvement of the self-consistent-charge density-functional-tight-binding theory by a modified Mulliken charge. Theoretical Chemistry Accounts, 2017, 136, 1.	1.4	12
4	Understanding the Catalytic Mechanism and the Substrate Specificity of an Engineered Gluten Hydrolase by QM/MM Molecular Dynamics and Free Energy Simulations. Journal of Chemical Information and Modeling, 2017, 57, 1179-1186.	5.4	8
5	A mixed vertebrate eggshell assemblage from the Transylvanian Late Cretaceous. Scientific Reports, 2019, 9, 1944.	3.3	8
6	Primary feather vane asymmetry should not be used to predict the flight capabilities of feathered fossils. Science Bulletin, 2017, 62, 1227-1228.	9.0	7
7	The earliest evidence for a supraorbital salt gland in dinosaurs in new Early Cretaceous ornithurines. Scientific Reports, 2018, 8, 3969.	3.3	6
8	One- and Two-Proton Transfer Mechanisms Coexist in One Active Site. Journal of Physical Chemistry B, 2020, 124, 6699-6708.	2.6	6
9	The catalytic mechanism of <i>S</i> -acyltransferases: acylation is triggered on by a loose transition state and deacylation is turned off by a tight transition state. Physical Chemistry Chemical Physics, 2019, 21, 12163-12172.	2.8	4
10	Flight, symmetry and barb angle evolution in the feathers of birds and other dinosaurs. Biology Letters, 2019, 15, 20190622.	2.3	3
11	Human Acetyl-CoA Carboxylase 1 Is an Isomerase: Carboxyl Transfer Is Activated by Catalytic Effect of Isomerization. Journal of Physical Chemistry B, 2019, 123, 6757-6764.	2.6	2
12	Ellman's method-based determination of acibenzolar-S-methyl in tobacco by transesterification with methanol and SABP2-catalyzed hydrolysis. Analytical Sciences, 2022, 38, 749-757.	1.6	1