

# Anna Pabis

## List of Publications by Year in descending order

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22  
papers

744  
citations

516710

16  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influenza hemagglutinin drives viral entry via two sequential intramembrane mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7200-7207.	7.1	46
2	Bifunctional Substrate Activation via an Arginine Residue Drives Catalysis in Chalcone Isomerases. ACS Catalysis, 2019, 9, 8388-8396.	11.2	11
3	GTP Hydrolysis Without an Active Site Base: A Unifying Mechanism for Ras and Related GTPases. Journal of the American Chemical Society, 2019, 141, 10684-10701.	13.7	44
4	Cryptic genetic variation shapes the adaptive evolutionary potential of enzymes. ELife, 2019, 8, .	6.0	35
5	Evolution of chalcone isomerase from a noncatalytic ancestor. Nature Chemical Biology, 2018, 14, 548-555.	8.0	113
6	Cooperativity and flexibility in enzyme evolution. Current Opinion in Structural Biology, 2018, 48, 83-92.	5.7	81
7	Enhancing the Steroid Sulfatase Activity of the Arylsulfatase from <i>Pseudomonas aeruginosa</i> . ACS Catalysis, 2018, 8, 8902-8914.	11.2	10
8	Extending the Nonbonded Cationic Dummy Model to Account for Ion-Induced Dipole Interactions. Journal of Physical Chemistry Letters, 2017, 8, 5408-5414.	4.6	33
9	Simulating the reactions of substituted pyridinio-N-phosphonates with pyridine as a model for biological phosphoryl transfer. Organic and Biomolecular Chemistry, 2017, 15, 7308-7316.	2.8	5
10	Substrate and Enzyme Specificity of the Kinetic Isotope Effects Associated with the Dioxygenation of Nitroaromatic Contaminants. Environmental Science & Technology, 2016, 50, 6708-6716.	10.0	27
11	Promiscuity and electrostatic flexibility in the alkaline phosphatase superfamily. Current Opinion in Structural Biology, 2016, 37, 14-21.	5.7	44
12	Promiscuity in the Enzymatic Catalysis of Phosphate and Sulfate Transfer. Biochemistry, 2016, 55, 3061-3081.	2.5	32
13	Probing the mechanisms for the selectivity and promiscuity of methyl parathion hydrolase. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20160150.	3.4	23
14	The structure of cyclolinopeptide A in chloroform refined by RDC measurements. Journal of Peptide Science, 2014, 20, 901-907.	1.4	11
15	A DFT Study of the <i>cis</i> -Dihydroxylation of Nitroaromatic Compounds Catalyzed by Nitrobenzene Dioxygenase. Journal of Physical Chemistry B, 2014, 118, 3245-3256.	2.6	30
16	Molecular Dynamics Simulation of Nitrobenzene Dioxygenase Using AMBER Force Field. Journal of Chemical Theory and Computation, 2014, 10, 2246-2254.	5.3	27
17	A New Maximum Likelihood Approach for Free Energy Profile Construction from Molecular Simulations. Journal of Chemical Theory and Computation, 2013, 9, 153-164.	5.3	76
18	A theoretical study of carbon-carbon bond formation by a Michael-type addition. Organic and Biomolecular Chemistry, 2012, 10, 5598.	2.8	13

#	ARTICLE	IF	CITATIONS
19	Molecular dynamics study of the hydration of the hydroxyl radical at body temperature. Physical Chemistry Chemical Physics, 2011, 13, 9458.	2.8	26
20	Measurements of Heavy-Atom Isotope Effects Using <sup>1</sup> H NMR Spectroscopy. Journal of Organic Chemistry, 2011, 76, 8033-8035.	3.2	19
21	A DFT Study of the Kinetic Isotope Effects on the Competing S <sub>N</sub> <sup>2</sup> and E2 Reactions between Hypochlorite Anion and Ethyl Chloride. Journal of Chemical Theory and Computation, 2009, 5, 33-36.	5.3	20
22	Density and temperature effect on hydrogen-bonded clusters in water - MD simulation study. Open Chemistry, 2008, 6, 555-561.	1.9	16