PrzemysÅ‚aw Dopieralski

List of Publications by Year
in descending order

22 papers	381 citations	933447 10 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	456 citing authors

#	Article	IF	Citations
1	Impact of Deuteration and Temperature on Furan Ring Dynamics. Molecules, 2021, 26, 2889.	3.8	0
2	Temperature driven interchange of the effective size of proton with deuterium. Chemical Physics Letters, 2021, 778, 138775.	2.6	0
3	Mechanochemical disulfide reduction reveals imprints of noncovalent sulfurâ‹¯oxygen chalcogen bonds in protein-inspired mimics in aqueous solution. Physical Chemistry Chemical Physics, 2020, 22, 25112-25117.	2.8	3
4	The influence of structure on the methyl group dynamics of polymorphic complexes: 6,6â€²-dimethyl-2,2â€²-dipyridyl with halo derivatives of benzoquinone acids. CrystEngComm, 2020, 22, 6811-6821.	2.6	2
5	About the Aromaticity of symm-Triaminotrinitrobenzene. Journal of Physical Chemistry A, 2019, 123, 2244-2251.	2.5	2
6	Ab initio molecular dynamics study of overtone excitations in formic acid and its water complex. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	3
7	Unclicking the Click: Metalâ€Assisted Mechanochemical Cycloreversion of Triazoles Is Possible. Angewandte Chemie - International Edition, 2017, 56, 7745-7749.	13.8	21
8	Unclicking the Click: Metalâ€Assisted Mechanochemical Cycloreversion of Triazoles Is Possible. Angewandte Chemie, 2017, 129, 7853-7857.	2.0	2
9	Unexpected mechanochemical complexity in the mechanistic scenarios of disulfide bond reduction in alkaline solution. Nature Chemistry, 2017, 9, 164-170.	13.6	60
10	Forceâ€Induced Reversal of Î²â€Eliminations: Stressed Disulfide Bonds in Alkaline Solution. Angewandte Chemie - International Edition, 2016, 55, 1304-1308.	13.8	16
11	Forceâ€Induced Reversal of Î²â€Eliminations: Stressed Disulfide Bonds in Alkaline Solution. Angewandte Chemie, 2016, 128, 1326-1330.	2.0	3
12	Computational Mechanochemistry. , 2016, , 233-243.		0
13	The Effect of Tensile Stress on the Conformational Free Energy Landscape of Disulfide Bonds. PLoS ONE, 2014, 9, e108812.	2.5	14
14	Quantum delocalization of benzene in the ring puckering coordinates. International Journal of Quantum Chemistry, 2014, 114, 534-542.	2.0	1
15	Entropy versus aromaticity in the conformational dynamics of aromatic rings. Journal of Molecular Modeling, 2013, 19, 4073-4077.	1.8	5
16	The Janus-faced role of external forces in mechanochemical disulfide bond cleavage. Nature Chemistry, 2013, 5, 685-691.	13.6	82
17	Dynamical Nonplanarity of Benzene. Evidences from the Carâ€“Parrinello Molecular Dynamics Study. Journal of Physical Chemistry Letters, 2011, 2, 2881-2884.	4.6	12
18	On the Intramolecular Hydrogen Bond in Solution: Carâ€“Parrinello and Path Integral Molecular Dynamics Perspective. Journal of Chemical Theory and Computation, 2011, 7, 3505-3513.	5.3	32

#	ARTICLE	IF	CITATIONS
19	On the role of polymer chains in transducing external mechanical forces to benzocyclobutene mechanophores. Journal of Materials Chemistry, 2011, 21, 8309.	6.7	55
20	Forceâ€Transformed Freeâ€Energy Surfaces and Trajectoryâ€Shooting Simulations Reveal the Mechanoâ€Stereochemistry of Cyclopropane Ringâ€Opening Reactions. Angewandte Chemie - International Edition, 2011, 50, 7105-7108.	13.8	44
21	Rotation around the glycosidic bond as driving force of proton transfer in protonated 2â€²-deoxyriboadenosine monophosphate (dAMP). Chemical Physics Letters, 2010, 490, 221-225.	2.6	6
22	Theoretical study on the polarizability and hyperpolarizability of hydrogen bonded complexes of nitropyridines with hydrogen fluoride. Computational and Theoretical Chemistry, 2009, 916, 72-75.	1.5	12