

# Peter Mulder

## List of Publications by Citations

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32  
papers

1,488  
citations

16  
h-index

32  
g-index

32  
ext. papers

1,573  
ext. citations

7.7  
avg, IF

4  
L-index

#	Paper	IF	Citations
32	Kinetic Solvent Effects on Hydrogen-Atom Abstractions: Reliable, Quantitative Predictions via a Single Empirical Equation <sup>1</sup> . <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 469-477	16.4	209
31	Critical re-evaluation of the O-H bond dissociation enthalpy in phenol. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 2647-55	2.8	184
30	Hydrogen Atom Abstraction Kinetics from Intramolecularly Hydrogen Bonded Ubiquinol-0 and Other (Poly)methoxy Phenols. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2355-2360	16.4	163
29	Determination of Bond Dissociation Enthalpies in Solution by Photoacoustic Calorimetry. <i>Accounts of Chemical Research</i> , <b>1999</b> , 32, 342-349	24.3	150
28	Poly Methoxy Phenols in Solution: O-H Bond Dissociation Enthalpies, Structures, and Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 6969-6975	4.2	147
27	Bond strengths of toluenes, anilines, and phenols: to hammett or not. <i>Accounts of Chemical Research</i> , <b>2004</b> , 37, 334-40	24.3	125
26	Thermal Stability of 2,2,6,6-Tetramethylpiperidine-1-oxyl (TEMPO) and Related N-Alkoxyamines. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 6375-6381	16.4	109
25	Oxygen-carbon bond dissociation enthalpies of benzyl phenyl ethers and anisoles. An example of temperature dependent substituent effects. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 5518-26	16.4	78
24	O-H Bond Strengths in Tetralin and THF: Application of Competition Experiments in Photoacoustic Calorimetry. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 73-77	3.4	52
23	Carbon-Oxygen Bond Strength in Diphenyl Ether and Phenyl Vinyl Ether: An Experimental and Computational Study. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 5404-5411	2.8	50
22	Why Quantum-Thermochemical Calculations Must Be Used with Caution to Indicate a Promising Lead Antioxidant. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 370-374	2	45
21	Carbon-Oxygen Bond Dissociation Enthalpies in Peroxyl Radicals. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 915-921	2.8	29
20	The L-type calcium channel blockers, hantzsch 1,4-dihydropyridines, are not peroxyl radical-trapping, chain-breaking antioxidants. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 79-85	4	28
19	Effect of ring substitution on the S-H bond dissociation enthalpies of thiophenols. An experimental and computational study. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 9949-58	2.8	25
18	Studies in gas-phase thermal hydrogenolysis. Part IV: Chlorobenzene and o-dichlorobenzene. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>1988</b> , 107, 434-439		25
17	Anthrone and related hydroxyarenes: tautomerization and hydrogen bonding. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 7674-82	4.2	17
16	Phenolic Hydrogen Transfer by Molecular Oxygen and Hydroperoxyl Radicals. Insights into the Mechanism of the Anthraquinone Process. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 2560-2574	4.2	10

15	The surprisingly facile thermal dehalogenation of chlorinated aromatics by a hydroaromatic donor solvent. Tautomerization of chlorinated phenols and anilines. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 4247-57	4.2	9
14	Gas-phase oxychlorination of benzene. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>1993</b> , 112, 262-270		7
13	Kinetic H/D isotope effects for gas phase hydroxylation of benzene and chlorobenzene between 520-1080 K. Hydroxyl radical versus O(3P) atom attack. <i>International Journal of Chemical Kinetics</i> , <b>1988</b> , 20, 577-592	1.4	7
12	Tautomerization of Some Methylacenes and the Role of Reverse Radical Disproportionation. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 8206-16	4.2	6
11	Isomerization of Triphenylmethoxyl: The Wieland Free-Radical Rearrangement Revisited a Century Later. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 6118-6121	3.6	6
10	The unexpected desulfurization of 4-aminothiophenols. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 2379-86	4.2	2
9	Gas-phase reactions of benzene and derivatives triggered by hydrazine/ozone; hydroxylation vs. degradation. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>1990</b> , 109, 577-582		2
8	Vapour-phase chemistry of arenes. Part XII. Reaction of chlorobenzene and derivatives with hydroxyl radicals at approx. 290°C. Hydroxy-dechlorination. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>1986</b> , 105, 220-224		2
7	Gas-phase pyrolysis of coumaran and 2,3-dimethylcoumaran. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>2010</b> , 110, 475-476		1
6	Gas-phase oxygenation of benzene derivatives around 300 K with O(3P) atoms produced by microwave discharge of N <sub>2</sub> O. Part 2. Kinetic H/D isotope effects. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>2010</b> , 109, 346-352		0
5	Comment on "trans-1,2-Disiloxybenzocyclobutene, an adequate partner for the auto-oxidation: EPR/spin trapping and theoretical studies" by J. Drujon et al., Phys. Chem. Chem. Phys., 2014, 16, 7513. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 3405-3408	3.6	
4	Titelbild: Isomerization of Triphenylmethoxyl: The Wieland Free-Radical Rearrangement Revisited a Century Later (Angew. Chem. 34/2010). <i>Angewandte Chemie</i> , <b>2010</b> , 122, 5939-5939	3.6	
3	Cover Picture: Isomerization of Triphenylmethoxyl: The Wieland Free-Radical Rearrangement Revisited a Century Later (Angew. Chem. Int. Ed. 34/2010). <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5803-5803	16.4	
2	Gas-phase hydrogenolysis mediated by activated carbon: Deuterated benzenes. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , <b>1996</b> , 115, 271-274		
1	Gas-phase and activated carbon mediated thermal hydrogenolysis of halogenated organics. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , <b>1990</b> , 25, 555-569		