Ivari Kaljurand

List of Publications by Year
in descending order

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40	3,930	201385	288905
papers	citations	27 h-index	40 g-index

43	43	43	4094
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extension of the Self-Consistent Spectrophotometric Basicity Scale in Acetonitrile to a Full Span of 28 pKaUnits:Â Unification of Different Basicity Scales. Journal of Organic Chemistry, 2005, 70, 1019-1028.	1.7	853
2	A Comprehensive Self-Consistent Spectrophotometric Acidity Scale of Neutral BrÃ¸nsted Acids in Acetonitrile. Journal of Organic Chemistry, 2006, 71, 2829-2838.	1.7	301
3	On the Basicity of Organic Bases in Different Media. European Journal of Organic Chemistry, 2019, 2019, 6735-6748.	1.2	272
4	Equilibrium Acidities of Superacids. Journal of Organic Chemistry, 2011, 76, 391-395.	1.7	237
5	Acidities of strong neutral BrÃ¸nsted acids in different media. Journal of Physical Organic Chemistry, 2013, 26, 162-170.	0.9	203
6	Self-Consistent Spectrophotometric Basicity Scale in Acetonitrile Covering the Range between Pyridine and DBU. Journal of Organic Chemistry, 2000, 65, 6202-6208.	1.7	178
7	Acidâ^'Base Equilibria in Nonpolar Media. 2.1Self-Consistent Basicity Scale in THF Solution Ranging from 2-Methoxypyridine to EtP1(pyrr) Phosphazene. Journal of Organic Chemistry, 2002, 67, 1873-1881.	1.7	169
8	Prediction of acidity in acetonitrile solution with COSMOâ€RS. Journal of Computational Chemistry, 2009, 30, 799-810.	1.5	168
9	Acidity of Strong Acids in Water and Dimethyl Sulfoxide. Journal of Physical Chemistry A, 2016, 120, 3663-3669.	1.1	140
10	Pentakis(trifluoromethyl)phenyl, a Sterically Crowded and Electron-withdrawing Group:â€‰ Synthesis and Acidity of Pentakis(trifluoromethyl)benzene, -toluene, -phenol, and -aniline. Journal of Organic Chemistry, 2008, 73, 2607-2620.	1.7	123
11	pKa values in organic chemistry â€“ Making maximum use of the available data. Tetrahedron Letters, 2018, 59, 3738-3748.	0.7	117
12	Guanidinophosphazenes:â€‰ Design, Synthesis, and Basicity in THF and in the Gas Phase. Journal of the American Chemical Society, 2005, 127, 17656-17666.	6.6	116
13	Experimental Gas-Phase Basicity Scale of Superbasic Phosphazenes. Journal of Physical Chemistry A, 2007, 111, 1245-1250.	1.1	91
14	Spectrophotometric Acidity Scale of Strong Neutral BrÃ¸nsted Acids in Acetonitrile. Journal of Organic Chemistry, 1998, 63, 7868-7874.	1.7	85
15	Acidâ^'Base Equilibria in Nonpolar Media. 4. Extension of the Self-Consistent Basicity Scale in THF Medium. Gas-Phase Basicities of Phosphazenes. Journal of Organic Chemistry, 2003, 68, 9988-9993.	1.7	83
16	Strengths of Acids in Acetonitrile. European Journal of Organic Chemistry, 2021, 2021, 1407-1419.	1.2	80
17	BrÃ¸nsted Basicities of Diamines in the Gas Phase, Acetonitrile, and Tetrahydrofuran. Chemistry - A European Journal, 2007, 13, 7631-7643.	1.7	79
18	Superbasicity of a Bis-guanidino Compound with a Flexible Linker: A Theoretical and Experimental Study. Journal of the American Chemical Society, 2009, 131, 16858-16868.	6.6	79

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19	Uncertainty sources in UV-Vis spectrophotometric measurement. Accreditation and Quality Assurance, 2006, 11, 246-255.	0.4	76
20	A unified view to BrÃ¸nsted acidity scales: do we need solvated protons?. Chemical Science, 2017, 8, 6964-6973.	3.7	59
21	Experimental Basicities of Superbasic Phosphonium Ylides and Phosphazenes. Journal of Organic Chemistry, 2016, 81, 7349-7361.	1.7	51
22	Experimental Basicities of Phosphazene, Guanidinophosphazene, and Proton Sponge Superbases in the Gas Phase and Solution. Journal of Physical Chemistry A, 2016, 120, 2591-2604.	1.1	51
23	The immense acidifying effect of the supersubstituent î€NSO2CF3on the acidity of amides and amidines of benzoic acids in acetonitrile. Perkin Transactions II RSC, 2002, , 1950-1955.	1.1	38
24	Substituent Effects on the Basicity of 3,7-Diazabicyclo[3.3.1]nonanes. Journal of Organic Chemistry, 2006, 71, 7155-7164.	1.7	38
25	Influence of Water Content on the Acidities in Acetonitrile. Quantifying Charge Delocalization in Anions. Journal of Physical Chemistry A, 2010, 114, 11788-11793.	1.1	36
26	Uncertainty estimation in measurement of pKa values in nonaqueous media: A case study on basicity scale in acetonitrile medium. Analytica Chimica Acta, 2006, 566, 290-303.	2.6	34
27	The basicity of substituted N,Nâ€dimethylanilines in solution and in the gas phase. Journal of Physical Organic Chemistry, 2013, 26, 171-181.	0.9	29
28	Basicity of some P1phosphazenes in water and in aqueous surfactant solution. Organic and Biomolecular Chemistry, 2006, 4, 2100-2105.	1.5	23
29	Analysis of dammar resin with MALDIâ€FTâ€ICRâ€MS and APCIâ€FTâ€ICRâ€MS. Journal of Mass Spectrometry, 2012, 47, 392-409.	0.7	23
30	Gas-Phase Lithium Cation Basicity: Revisiting the High Basicity Range by Experiment and Theory. Journal of the American Society for Mass Spectrometry, 2014, 25, 1962-1973.	1.2	18
31	Acidâ^'Base Equilibria in Nonpolar Media. 3. Expanding the Spectrophotometric Acidity Scale in Heptane. Journal of Organic Chemistry, 2003, 68, 7795-7799.	1.7	16
32	MALDIâ€FTâ€ICRâ€MS for archaeological lipid residue analysis. Journal of Mass Spectrometry, 2017, 52, 689-700.	0.7	16
33	Sitting-atop complex formation of 2,3,7,8,12,13,17,18-octaethylporphyrin with copper(II) ion in acetonitrile. Inorganica Chimica Acta, 2002, 340, 87-96.	1.2	15
34	Gas phase basicity of biguanides â€“ Comparison of the equilibrium and the kinetic methods. International Journal of Mass Spectrometry, 2019, 435, 61-68.	0.7	9
35	Influence of Water Content on Basicities in Acetonitrile. Journal of Solution Chemistry, 2014, 43, 1270-1281.	0.6	7
36	Effect of strain on gas-phase basicity of (E)-1-methyl-2-(1-methyl-2-adamantylidene)adamantane. Journal of Physical Organic Chemistry, 2015, 28, 447-451.	0.9	7

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37	Relative stability and proton transfer reactions of unsaturated isocyanides and cyanides. Journal of Physical Organic Chemistry, 2016, 29, 452-459.	0.9	4
38	MiC in Chemistry Curriculum at the University of Tartu: the current status. Accreditation and Quality Assurance, 2002, 7, 159-162.	0.4	3
39	Pentakis(trifluoromethyl)benzenediazonium Cation: A Useful Building Block for the Syntheis of Trifluoromethylâ€Substituted Derivatives. ChemPlusChem, 2013, 78, 932-936.	1.3	2
40	Validation and extension of the gasâ€phase superacidity scale. Rapid Communications in Mass Spectrometry, 2019, , e8598.	0.7	0