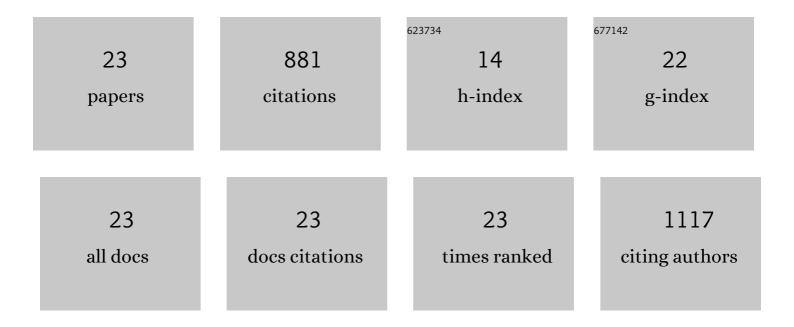
Jay C Amicangelo

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Absolute Binding Energies of Alkali-Metal Cation Complexes with Benzene Determined by Threshold Collision-Induced Dissociation Experiments and ab Initio Theory. Journal of Physical Chemistry A, 2000, 104, 11420-11432.	2.5	225
2	Substituent Effects in C6F6C6H5X Stacking Interactions. Journal of Organic Chemistry, 2006, 71, 9261-9270.	3.2	128
3	Quantitative Study of Interactions between Oxygen Lone Pair and Aromatic Rings:  Substituent Effect and the Importance of Closeness of Contact. Journal of Organic Chemistry, 2008, 73, 689-693.	3.2	106
4	Theoretical Study of the Benzene Excimer Using Time-Dependent Density Functional Theory. Journal of Physical Chemistry A, 2005, 109, 9174-9182.	2.5	55
5	Ab initio study of substituent effects in the interactions of dimethyl ether with aromatic rings. Physical Chemistry Chemical Physics, 2008, 10, 2695.	2.8	50
6	Relative and absolute bond dissociation energies of sodium cation complexes determined using competitive collision-induced dissociation experiments. International Journal of Mass Spectrometry, 2001, 212, 301-325.	1.5	49
7	Experimental and Theoretical Characterization of a Lone Pairâ^'Ï€ Complex: Water–Hexafluorobenzene. Journal of Physical Chemistry A, 2013, 117, 1336-1350.	2.5	40
8	Excimer Formation in the Interlayer Region of Arene-Derivatized Zirconium Phosphonates. Journal of the American Chemical Society, 2003, 125, 14698-14699.	13.7	32
9	Zirconium Arene-Phosphonates:Â Chemical and Structural Characterization of 2-Naphthyl- and 2-Anthracenylphosphonate Systems. Inorganic Chemistry, 2005, 44, 2067-2073.	4.0	30
10	Site-Selective Reaction of Cl + Propene in Solid <i>para</i> -Hydrogen: Formation of 2-Chloropropyl Radicals. Journal of Physical Chemistry Letters, 2010, 1, 2956-2961.	4.6	23
11	Infrared spectrum of the 2-chloroethyl radical in solid para-hydrogen. Physical Chemistry Chemical Physics, 2012, 14, 1014-1029.	2.8	22
12	Synthesis, Characterization, and Interlayer Distance Study of Zirconium Phosphonates with Stoichiometric Variation of Methyl andp-Aminobenzyl Pendant Groups. Inorganic Chemistry, 1998, 37, 5317-5323.	4.0	21
13	Ligand Exchange Reactions of Sodium Cation Complexes Examined Using Guided Ion Beam Mass Spectrometry:  Relative and Absolute Dissociation Free Energies and Entropies. Journal of Physical Chemistry A, 2004, 108, 10698-10713.	2.5	16
14	A Novel Staged Form of Layered Zirconium Phosphonates with Methyl andp-Aminobenzyl Pendant Groups. Journal of the American Chemical Society, 1998, 120, 6181-6182.	13.7	14
15	Molecular Modeling of Interlayer Catalytic Sites for Aniline Polymerization in a Zirconium Mixed Phosphonate Phosphate. Chemistry of Materials, 2003, 15, 390-394.	6.7	14
16	Theoretical Characterization of a Tridentate Photochromic Pt(II) Complex Using Density Functional Theory Methods. Journal of Chemical Theory and Computation, 2007, 3, 2198-2209.	5.3	14
17	Matrix isolation infrared observation of N3using a nitrogen microwave discharge plasma source. Molecular Physics, 2007, 105, 989-1002.	1.7	13
18	Relative and absolute bond dissociation energies of sodium cation–alcohol complexes determined using competitive collision-induced dissociation experiments. International Journal of Mass Spectrometry, 2011, 301, 45-54.	1.5	10

#	Article	IF	CITATIONS
19	Infrared spectra of the 1,1-dimethylallyl and 1,2-dimethylallyl radicals isolated in solid <i>para</i> -hydrogen. Journal of Chemical Physics, 2018, 149, 204304.	3.0	8
20	Hydrogenation of pyrrole: Infrared spectra of the 2,3-dihydropyrrol-2-yl and 2,3-dihydropyrrol-3-yl radicals isolated in solid <i>para</i> -hydrogen. Journal of Chemical Physics, 2020, 153, 164302.	3.0	6
21	Matrix Isolation Infrared Observation of H <i>_x</i> Si(N ₂) <i>_y</i> (<i>x</i> = 0, 1, 2 and <i>y</i> = 1, 2) Transient Species Using a 121-nm Vacuum Ultraviolet Photolysis Source. Journal of Physical Chemistry A, 2008, 112, 3020-3030.	2.5	4
22	Infrared Spectra of the 1-Chloromethyl-1-methylallyl and 1-Chloromethyl-2-methylallyl Radicals Isolated in Solid <i>para</i> -Hydrogen. Journal of Physical Chemistry A, 2017, 121, 8771-8784.	2.5	1
23	Structural variability of pendant groups within the interlayer region of zirconium arene-phosph(on)ates: chemical and structural characterization of oxy- and methyl-linked 2-naphthyl phosphonates, and mixed oxy-linked derivatives. Dalton Transactions, 2020, 49, 3796-3808.	3.3	0