

Jay C Amicangelo

List of Publications by Year in descending order

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papers

881
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623734

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Absolute Binding Energies of Alkali-Metal Cation Complexes with Benzene Determined by Threshold Collision-Induced Dissociation Experiments and <i>ab Initio</i> Theory. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11420-11432.	2.5	225
2	Substituent Effects in C ₆ F ₆ C ₆ H ₅ X Stacking Interactions. <i>Journal of Organic Chemistry</i> , 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. <i>Journal of Organic Chemistry</i> , 2008, 73, 689-693.	3.2	106
4	Theoretical Study of the Benzene Excimer Using Time-Dependent Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9174-9182.	2.5	55
5	<i>Ab initio</i> study of substituent effects in the interactions of dimethyl ether with aromatic rings. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2695.	2.8	50
6	Relative and absolute bond dissociation energies of sodium cation complexes determined using competitive collision-induced dissociation experiments. <i>International Journal of Mass Spectrometry</i> , 2001, 212, 301-325.	1.5	49
7	Experimental and Theoretical Characterization of a Lone Pair-Complex: Water-Hexafluorobenzene. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1336-1350.	2.5	40
8	Excimer Formation in the Interlayer Region of Arene-Derivatized Zirconium Phosphonates. <i>Journal of the American Chemical Society</i> , 2003, 125, 14698-14699.	13.7	32
9	Zirconium Arene-Phosphonates: Chemical and Structural Characterization of 2-Naphthyl- and 2-Anthracenylphosphonate Systems. <i>Inorganic Chemistry</i> , 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. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2956-2961.	4.6	23
11	Infrared spectrum of the 2-chloroethyl radical in solid <i>para</i> -hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1014-1029.	2.8	22
12	Synthesis, Characterization, and Interlayer Distance Study of Zirconium Phosphonates with Stoichiometric Variation of Methyl and <i>p</i> -Aminobenzyl Pendant Groups. <i>Inorganic Chemistry</i> , 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. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10698-10713.	2.5	16
14	A Novel Staged Form of Layered Zirconium Phosphonates with Methyl and <i>p</i> -Aminobenzyl Pendant Groups. <i>Journal of the American Chemical Society</i> , 1998, 120, 6181-6182.	13.7	14
15	Molecular Modeling of Interlayer Catalytic Sites for Aniline Polymerization in a Zirconium Mixed Phosphonate Phosphate. <i>Chemistry of Materials</i> , 2003, 15, 390-394.	6.7	14
16	Theoretical Characterization of a Tridentate Photochromic Pt(II) Complex Using Density Functional Theory Methods. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 2198-2209.	5.3	14
17	Matrix isolation infrared observation of N ₃ using a nitrogen microwave discharge plasma source. <i>Molecular Physics</i> , 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. <i>International Journal of Mass Spectrometry</i> , 2011, 301, 45-54.	1.5	10

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19	Infrared spectra of the 1,1-dimethylallyl and 1,2-dimethylallyl radicals isolated in solid <i>para</i> -hydrogen. <i>Journal of Chemical Physics</i> , 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. <i>Journal of Chemical Physics</i> , 2020, 153, 164302.	3.0	6
21	Matrix Isolation Infrared Observation of H _x Si(N ₂) _y (<i>x</i> = 0, 1, 2 and <i>y</i> = 1, 2) Transient Species Using a 121-nm Vacuum Ultraviolet Photolysis Source. <i>Journal of Physical Chemistry A</i> , 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. <i>Journal of Physical Chemistry A</i> , 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. <i>Dalton Transactions</i> , 2020, 49, 3796-3808.	3.3	0