Jay C Amicangelo

List of Publications by Year
in descending order

23	881	623734 14	677142 22
papers	citations	h-index	g-index

23	23	23	1117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Hydrogenation of pyrrole: Infrared spectra of the 2,3-dihydropyrrol-2-yl and 2,3-dihydropyrrol-3-yl radicals isolated in solid para-hydrogen. Journal of Chemical Physics, 2020, 153, 164302.	3.0	6
3	Infrared spectra of the 1,1-dimethylallyl and 1,2-dimethylallyl radicals isolated in solid para-hydrogen. Journal of Chemical Physics, 2018, 149, 204304.	3.0	8
4	Infrared Spectra of the 1-Chloromethyl-1-methylallyl and 1-Chloromethyl-2-methylallyl Radicals Isolated in Solid para-Hydrogen. Journal of Physical Chemistry A, 2017, 121, 8771-8784.	2.5	1
5	Experimental and Theoretical Characterization of a Lone Pairâ^Ï€ Complex: Waterâ€“Hexafluorobenzene. Journal of Physical Chemistry A, 2013, 117, 1336-1350.	2.5	40
6	Infrared spectrum of the 2-chloroethyl radical in solid para-hydrogen. Physical Chemistry Chemical Physics, 2012, 14, 1014-1029.	2.8	22
7	Relative and absolute bond dissociation energies of sodium cationâ€“alcohol complexes determined using competitive collision-induced dissociation experiments. International Journal of Mass Spectrometry, 2011, 301, 45-54.	1.5	10
8	Site-Selective Reaction of Cl + Propene in Solidpara-Hydrogen: Formation of 2-Chloropropyl Radicals. Journal of Physical Chemistry Letters, 2010, 1, 2956-2961.	4.6	23
9	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
10	Quantitative Study of Interactions between Oxygen Lone Pair and Aromatic Rings:â€‰ Substituent Effect and the Importance of Closeness of Contact. Journal of Organic Chemistry, 2008, 73, 689-693.	3.2	106
11	Matrix Isolation Infrared Observation of H_xSi(N₂)_y (x = 0, 1, 2 and y = 1, 2) Transient Species Using a 121-nm Vacuum Ultraviolet Photolysis Source. Journal of Physical Chemistry A, 2008, 112, 3020-3030.	2.5	4
12	Matrix isolation infrared observation of N3using a nitrogen microwave discharge plasma source. Molecular Physics, 2007, 105, 989-1002.	1.7	13
13	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
14	Substituent Effects in C6F6C6H5X Stacking Interactions. Journal of Organic Chemistry, 2006, 71, 9261-9270.	3.2	128
15	Zirconium Arene-Phosphonates:Â Chemical and Structural Characterization of 2-Naphthyl- and 2-Anthracenylphosphonate Systems. Inorganic Chemistry, 2005, 44, 2067-2073.	4.0	30
16	Theoretical Study of the Benzene Excimer Using Time-Dependent Density Functional Theory. Journal of Physical Chemistry A, 2005, 109, 9174-9182.	2.5	55
17	Ligand Exchange Reactions of Sodium Cation Complexes Examined Using Guided Ion Beam Mass Spectrometry:â€‰ Relative and Absolute Dissociation Free Energies and Entropies. Journal of Physical Chemistry A, 2004, 108, 10698-10713.	2.5	16
18	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

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19	Excimer Formation in the Interlayer Region of Arene-Derivatized Zirconium Phosphonates. Journal of the American Chemical Society, 2003, 125, 14698-14699.	13.7	32
20	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
21	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
22	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
23	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