

Jeremy M Merritt

List of Publications by Year in descending order

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papers

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citations

516710

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434195

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31
all docs

31
docs citations

31
times ranked

1026
citing authors

#	ARTICLE	IF	CITATIONS
1	Beryllium Dimer “Caught in the Act of Bonding. <i>Science</i> , 2009, 324, 1548-1551.	12.6	203
2	The unique bonding characteristics of beryllium and the Group IIA metals. <i>Chemical Physics Letters</i> , 2011, 506, 1-14.	2.6	68
3	ReactNMR and ReactIR as Reaction Monitoring and Mechanistic Elucidation Tools: The NCS Mediated Cascade Reaction of β -Thioamides to β -Thio- β -chloroacrylamides. <i>Journal of Organic Chemistry</i> , 2011, 76, 9630-9640.	3.2	64
4	Free radicals in superfluid liquid helium nanodroplets: A pyrolysis source for the production of propargyl radical. <i>Journal of Chemical Physics</i> , 2002, 117, 647-652.	3.0	60
5	Bonding in Beryllium Clusters. <i>Annual Review of Physical Chemistry</i> , 2011, 62, 375-393.	10.8	56
6	Entrance channel $X\text{-HF}$ ($X = \text{Cl}, \text{Br}$ and I) complexes studied by high-resolution infrared laser spectroscopy in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 67-78.	2.8	54
7	Implementing Quality by Design in Pharmaceutical Salt Selection: A Modeling Approach to Understanding Disproportionation. <i>Pharmaceutical Research</i> , 2013, 30, 203-17.	3.5	54
8	Salt Stability – The Effect of pHmax on Salt to Free Base Conversion. <i>Pharmaceutical Research</i> , 2015, 32, 3110-3118.	3.5	48
9	A Structured Approach To Cope with Impurities during Industrial Crystallization Development. <i>Organic Process Research and Development</i> , 2020, 24, 1443-1456.	2.7	43
10	Spectroscopy of free radicals and radical containing entrance-channel complexes in superfluid helium nanodroplets. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 249-287.	2.3	42
11	Recent Advances in Co-processed APIs and Proposals for Enabling Commercialization of These Transformative Technologies. <i>Molecular Pharmaceutics</i> , 2020, 17, 2232-2244.	4.6	41
12	The ionization energy of Be_2 , and spectroscopic characterization of the $(1)3\sigma^+u$, $(2)3\sigma^+g$, and $(3)3\sigma^+g$ states. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4006.	2.8	38
13	IR-IR double resonance spectroscopy in helium nanodroplets: Photo-induced isomerization. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 463-468.	2.8	33
14	Use of Modeling and Process Analytical Technologies in the Design of a Catalytic Amination Reaction: Understanding Oxygen Sensitivity at the Lab and Manufacturing Scales. <i>Organic Process Research and Development</i> , 2014, 18, 246-256.	2.7	23
15	Spectroscopy, Structure, and Ionization Energy of BeOBe . <i>Journal of Physical Chemistry A</i> , 2009, 113, 13300-13309.	2.5	17
16	Study of the $\text{CH}_3\text{-H}_2\text{O}$ radical complex stabilized in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5345.	2.8	17
17	A high-resolution infrared spectroscopic investigation of the halogen atom- HCN entrance channel complexes solvated in superfluid helium droplets. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 401-416.	2.8	15
18	Ionization energy measurements and spectroscopy of HfO and HfO^+ . <i>Journal of Chemical Physics</i> , 2009, 130, 144503.	3.0	15

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19	Experimental and theoretical study of the electronic spectrum of BeAl. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5403.	2.8	14
20	Mitigating the Risk of Coprecipitation of Pinacol during Isolation from Telescoped Miyaura Borylation and Suzuki Couplings Utilizing Boron Pinacol Esters: Use of Modeling for Process Design. <i>Organic Process Research and Development</i> , 2016, 20, 178-188.	2.7	14
21	Infrared Infrared Double Resonance Spectroscopy of the Isomers of Acetylene-HCN and Cyanoacetylene-HCN in Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7282-7291.	2.5	13
22	Experimental and theoretical studies of the electronic transitions of BeC. <i>Journal of Chemical Physics</i> , 2012, 137, 214313.	3.0	13
23	Infrared Spectroscopy of Prereactive Aluminum, Gallium, and Indium-HCN Entrance Channel Complexes Solvated in Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12304-12316.	2.5	12
24	Origins of Regioselectivity in the Fischer Indole Synthesis of a Selective Androgen Receptor Modulator. <i>Journal of Organic Chemistry</i> , 2017, 82, 5904-5909.	3.2	11
25	Experimental and Theoretical Characterization of the $2\sigma^2 \leftarrow 1\sigma^2$ Transition of BeOH/D. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13654-13663.	2.5	8
26	On the Ionization Energy of HfO. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12353-12355.	2.5	6
27	Applications of In Silico Solvent Screening and an Interactive Web-Based Portal for Pharmaceutical Crystallization Process Development. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2621-2634.	3.3	6
28	Hydrogen Evolution from Telescoped Miyaura Borylation and Suzuki Couplings Utilizing Diboron Reagents: Process Safety and Hazard Considerations. <i>Organic Process Research and Development</i> , 2022, 26, 773-784.	2.7	6
29	Experimental and Theoretical Investigations of Rotational Energy Transfer in HBr + He Collisions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11109-11116.	2.5	4
30	Ab Initio Treatment of the Chemical Reaction Precursor Complex Br(2P)-HCN. 2. Bound-State Calculations and Infrared Spectra. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7270-7281.	2.5	2
31	Ab Initio Treatment of the Chemical Reaction Precursor Complex Br(2P)-HCN. 1. Adiabatic and Diabatic Potential Surfaces. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7262-7269.	2.5	1