

Jeremy M Merritt

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Salt Stability – The Effect of pH _{max} on Salt to Free Base Conversion. <i>Pharmaceutical Research</i> , 2015, 32, 3110-3118.	3.5	48
8	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
9	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
10	Experimental and Theoretical Characterization of the $2^2\text{A} \rightarrow 1^2\text{A}$ Transition of BeOH/D. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13654-13663.	2.5	8
11	Experimental and theoretical studies of the electronic transitions of BeC. <i>Journal of Chemical Physics</i> , 2012, 137, 214313.	3.0	13
12	Bonding in Beryllium Clusters. <i>Annual Review of Physical Chemistry</i> , 2011, 62, 375-393.	10.8	56
13	ReactNMR and ReactIR as Reaction Monitoring and Mechanistic Elucidation Tools: The NCS Mediated Cascade Reaction of α -Thioamides to α -Thio- β -chloroacrylamides. <i>Journal of Organic Chemistry</i> , 2011, 76, 9630-9640.	3.2	64
14	The unique bonding characteristics of beryllium and the Group IIA metals. <i>Chemical Physics Letters</i> , 2011, 506, 1-14.	2.6	68
15	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
16	Ionization energy measurements and spectroscopy of HfO and HfO ⁺ . <i>Journal of Chemical Physics</i> , 2009, 130, 144503.	3.0	15
17	Spectroscopy, Structure, and Ionization Energy of BeOBe. <i>Journal of Physical Chemistry A</i> , 2009, 113, 13300-13309.	2.5	17
18	On the Ionization Energy of HfO. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12353-12355.	2.5	6

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19	Beryllium Dimer "Caught in the Act of Bonding. <i>Science</i> , 2009, 324, 1548-1551.	12.6	203
20	Study of the CH ₃ [•] H ₂ O radical complex stabilized in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5345.	2.8	17
21	The ionization energy of Be ₂ , and spectroscopic characterization of the (1)3 ¹ Σ ⁺ u, (2)3 ¹ Γ _g , and (3)3 ¹ Γ _g states. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4006.	2.8	38
22	Experimental and theoretical study of the electronic spectrum of BeAl. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5403.	2.8	14
23	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
24	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
25	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
26	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
27	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
28	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
29	IR "IR double resonance spectroscopy in helium nanodroplets: Photo-induced isomerization. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 463-468.	2.8	33
30	Entrance channel X "HF (X = Cl, 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
31	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