Edward D Lorance

List of Publications by Year
in descending order

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Version: 2024-02-01

24	598	567281 15	610901 24
papers	citations	h-index	g-index

26	26	26	652
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanisms of decarboxylation of phenylacetic acids and their sodium salts in water at high temperature and pressure. Geochimica Et Cosmochimica Acta, 2020, 269, 597-621.	3.9	20
2	Selective hydrothermal reductions using geomimicry. Green Chemistry, 2019, 21, 4159-4168.	9.0	11
3	Understanding the Solvent Contribution to Chemical Reaction Barriers. Journal of Physical Chemistry A, 2019, 123, 10490-10499.	2.5	4
4	Kinetics and Mechanisms of Dehydration of Secondary Alcohols Under Hydrothermal Conditions. ACS Earth and Space Chemistry, 2018, 2, 821-832.	2.7	36
5	Mineral-assisted production of benzene under hydrothermal conditions: Insights from experimental studies on C 6 cyclic hydrocarbons. Journal of Volcanology and Geothermal Research, 2017, 346, 21-27.	2.1	14
6	Reversible Electrochemical Trapping of Carbon Dioxide Using 4,4â€²-Bipyridine That Does Not Require Thermal Activation. Journal of Physical Chemistry Letters, 2015, 6, 4943-4946.	4.6	54
7	Nâ€Alkoxyheterocycles As Irreversible Photooxidants. Photochemistry and Photobiology, 2014, 90, 313-328.	2.5	7
8	Hydrothermal Photochemistry as a Mechanistic Tool in Organic Geochemistry: The Chemistry of Dibenzyl Ketone. Journal of Organic Chemistry, 2014, 79, 7861-7871.	3.2	19
9	Neighboring Pyrrolidine Amide Participation in Thioether Oxidation. Methionine as a â€œHoppingâ€•Site. Organic Letters, 2011, 13, 2837-2839.	4.6	23
10	Electrochemical and Chemical Oxidation of Dithia-, Diselena-, Ditellura-, Selenathia-, and Tellurathiamesocycles and Stability of the Oxidized Species. Journal of Organic Chemistry, 2010, 75, 1997-2009.	3.2	29
11	Neighboring Amide Participation in Thioether Oxidation: Relevance to Biological Oxidation. Journal of the American Chemical Society, 2009, 131, 13791-13805.	13.7	47
12	Chemistry of Mixed Sulfur-, Selenium-, or Tellurium- and Silicon-, or Tin-Containing Heterocycles. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 856-862.	1.6	5
13	Interaction of Câ‹¯Si, Câ‹¯Sn, and Siâ‹¯Si Ïƒ-Bonds with Chalcogen Lone Pairs. Journal of Organic Chemistry, 2007, 72, 8290-8297.	3.2	13
14	Synthesis, structure, reactions, and photoelectron spectra of new mixed sulfurâ€, seleniumâ€•or tellurium and siliconâ€•or tinâ€•containing heterocycles. Heteroatom Chemistry, 2007, 18, 509-515.	0.7	12
15	The Siâ‹¯Si Effect on Ionization of Î²-Disilanyl Sulfides and Selenides. Journal of the American Chemical Society, 2006, 128, 12685-12692.	13.7	15
16	Density Functional Theory Predicts the Barriers for Radical Fragmentation in Solution. Journal of Organic Chemistry, 2005, 70, 2014-2020.	3.2	19
17	A Quantitative Curve-Crossing Model for Radical Fragmentation. Journal of Physical Chemistry A, 2005, 109, 2912-2919.	2.5	10
18	Synthesis, Gas-Phase Photoelectron Spectroscopic, and Theoretical Studies of Stannylated Dinuclear Iron Dithiolates. Inorganic Chemistry, 2005, 44, 5728-5737.	4.0	19

#	Article	IF	Citations
19	Kinetics of Proton Transfer from Cationic Carbon Acids in Water and Aqueous DMSO. Effect of Activating Groups and Solvent on Intrinsic Rate Constants. Journal of Organic Chemistry, 2005, 70, 7721-7730.	3.2	9
20	Barrierless Electron Transfer Bond Fragmentation Reactions. Journal of the American Chemical Society, 2004, 126, 14071-14078.	13.7	34
21	Synthesis, Electrochemistry, and Gas-Phase Photoelectron Spectroscopic and Theoretical Studies of 3,6-Bis(perfluoroalkyl)-1,2-dithiins. Journal of Organic Chemistry, 2003, 68, 8110-8114.	3.2	21
22	Kinetics of Reductive Nâˆ’O Bond Fragmentation:Â The Role of a Conical Intersection. Journal of the American Chemical Society, 2002, 124, 15225-15238.	13.7	83
23	Gas-Phase Photoelectron Spectroscopic and Theoretical Studies of 1,2-Dichalcogenins:Â Ionization Energies, Orbital Assignments, and an Explanation of Their Color. Journal of the American Chemical Society, 2000, 122, 5065-5074.	13.7	27
24	Synthesis, Properties, Oxidation, and Electrochemistry of 1,2-Dichalcogenins. Journal of the American Chemical Society, 2000, 122, 5052-5064.	13.7	67