

Brenton DeBoef

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Oxidative Cross-Coupling of sp^3 - and sp^2 -Hybridized C-H Bonds: Vanadium-Catalyzed Aminomethylation of Imidazo[1,2- <i>a</i>]pyridines. <i>Organic Letters</i> , 2015, 17, 5208-5211.	4.6	64
2	Iron-Catalyzed Arylation of Heterocycles via Directed C-H Bond Activation. <i>Organic Letters</i> , 2014, 16, 868-871.	4.6	60
3	In vivo detection of cucurbit[6]uril, a hyperpolarized xenon contrast agent for a xenon magnetic resonance imaging biosensor. <i>Scientific Reports</i> , 2017, 7, 41027.	3.3	55
4	Vanadyl Acetylacetonate Catalyzed Methylenation of Imidazo[1,2- <i>a</i>]pyridines by Using Dimethylacetamide as a Methylene Source: Direct Access to Bis(imidazo[1,2- <i>a</i>]pyridin-3-yl)methanes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2108-2115.	4.3	47
5	A Green Multicomponent Reaction for the Organic Chemistry Laboratory. The Aqueous Passerini Reaction. <i>Journal of Chemical Education</i> , 2009, 86, 1077.	2.3	29
6	Intramolecular arylation of benzimidazoles via Pd(II)/Cu(I) catalyzed cross-dehydrogenative coupling. <i>Tetrahedron Letters</i> , 2014, 55, 1729-1732.	1.4	21
7	Cyclodextrin-Based Pseudorotaxanes: Easily Conjugatable Scaffolds for Synthesizing Hyperpolarized Xenon-129 Magnetic Resonance Imaging Agents. <i>ACS Omega</i> , 2018, 3, 677-681.	3.5	14
8	HyperCEST detection of cucurbit[6]uril in whole blood using an ultrashort saturation Pre-pulse train. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 285-290.	0.8	13
9	Decacationic Pillar[5]arene: A New Scaffold for the Development of ^{129}Xe MRI Imaging Agents. <i>ACS Omega</i> , 2020, 5, 27783-27788.	3.5	9
10	Transition-metal free umpolung carbon-nitrogen versus carbon-chlorine bond formation. <i>Tetrahedron Letters</i> , 2015, 56, 5610-5612.	1.4	8
11	Solution-Phase Synthesis of Dipeptides: A Capstone Project That Employs Key Techniques in an Organic Laboratory Course. <i>Journal of Chemical Education</i> , 2015, 92, 1536-1538.	2.3	7
12	A polycationic pillar[5]arene for the binding and removal of organic toxicants from aqueous media. <i>Supramolecular Chemistry</i> , 2019, 31, 545-557.	1.2	6
13	Cyclodextrin-Based Contrast Agents for Medical Imaging. <i>Molecules</i> , 2020, 25, 5576.	3.8	5
14	Unnarmicin D, an Anti-inflammatory Cyanobacterial Metabolite with \hat{I} and $\hat{I}\frac{1}{4}$ Opioid Binding Activity Discovered via a Pipeline Approach Designed to Target Neurotherapeutics. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4478-4488.	3.5	5
15	FeCl ₂ -Mediated Rearrangement of Allylic Alcohols. <i>ACS Omega</i> , 2019, 4, 6077-6083.	3.5	2
16	Impact of chronic stylet-feeder infestation on folivore-induced signaling and defenses in a conifer. <i>Tree Physiology</i> , 2021, 41, 416-427.	3.1	2
17	Development of Spray-Dried Cyclodextrin-Based Pediatric Anti-HIV Formulations. <i>AAPS PharmSciTech</i> , 2021, 22, 193.	3.3	0