

Jason Chruma

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

950
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	2-Azaallyl Anions, 2-Azaallyl Cations, 2-Azaallyl Radicals, and Azomethine Ylides. <i>Chemical Reviews</i> , 2018, 118, 10393-10457.	47.7	176
2	Efficient Triplet-Triplet Annihilation Upconversion with an Anti-Stokes Shift of 1.08 eV Achieved by Chemically Tuning Sensitizers. <i>Journal of the American Chemical Society</i> , 2019, 141, 15070-15077.	13.7	90
3	Enantioselective photoinduced cyclodimerization of a prochiral anthracene derivative adsorbed on helical metal nanostructures. <i>Nature Chemistry</i> , 2020, 12, 551-559.	13.6	90
4	Redox-Triggered Chirality Switching and Guest-Capture/Release with a Pillar[6]arene-Based Molecular Universal Joint. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8094-8098.	13.8	89
5	$\hat{\text{I}}^{\pm}$ -Amino Acids and Peptides as Bifunctional Reagents: Carbocarboxylation of Activated Alkenes via Recycling CO ₂ . <i>Journal of the American Chemical Society</i> , 2021, 143, 2812-2821.	13.7	84
6	Supramolecular enantiomeric and structural differentiation of amino acid derivatives with achiral pillar[5]arene homologs. <i>Chemical Communications</i> , 2020, 56, 161-164.	4.1	67
7	Mechanism of the Pd-catalyzed Decarboxylative Allylation of $\hat{\text{I}}^{\pm}$ -Amino Esters: Decarboxylation via Free Carboxylate Ion. <i>Chemistry - A European Journal</i> , 2012, 18, 14527-14538.	3.3	62
8	Room-temperature phosphorescent $\hat{\text{I}}^3$ -cyclodextrin-cucurbit[6]uril-cowheeled [4]rotaxanes for specific sensing of tryptophan. <i>Chemical Communications</i> , 2019, 55, 3156-3159.	4.1	62
9	Polyunsaturated fatty acid amides from the <i>Zanthoxylum</i> genus – from culinary curiosities to probes for chemical biology. <i>Natural Product Reports</i> , 2018, 35, 54-74.	10.3	40
10	2-Azaallyl Anions as Light-Tunable Super-Electron-Donors: Coupling with Aryl Fluorides, Chlorides, and Bromides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2854-2868.	4.3	39
11	Visible-light photoredox-catalyzed umpolung carboxylation of carbonyl compounds with CO ₂ . <i>Nature Communications</i> , 2021, 12, 3306.	12.8	37
12	Precise Manipulation of Temperature-Driven Chirality Switching of Molecular Universal Joints through Solvent Mixing. <i>Chemistry - A European Journal</i> , 2019, 25, 12526-12537.	3.3	30
13	Exploring the Steric and Electronic Factors Governing the Regio- and Enantioselectivity of the Pd-Catalyzed Decarboxylative Generation and Allylation of 2-Azaallyl Anions. <i>Journal of Organic Chemistry</i> , 2018, 83, 4054-4069.	3.2	20
14	Redox-Triggered Chirality Switching and Guest-Capture/Release with a Pillar[6]arene-Based Molecular Universal Joint. <i>Angewandte Chemie</i> , 2020, 132, 8171-8175.	2.0	20
15	Nickel-Catalyzed Decarboxylative Generation and Asymmetric Allylation of 2-Azaallyl Anions. <i>Journal of Organic Chemistry</i> , 2019, 84, 10102-10110.	3.2	13
16	Palladium-Catalyzed Decarboxylative Generation and Regiodivergent Prenylation of 2-Azaallyl Anions. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3751-3757.	4.3	13
17	Design and Synthesis of Fluorescent 1,3-Diaryl- $\hat{\text{I}}^2$ -carbolines and 1,3-Diaryl-3,4-dihydro- $\hat{\text{I}}^2$ -carbolines. <i>ACS Omega</i> , 2021, 6, 12238-12249.	3.5	6
18	Palladium-Catalyzed Decarboxylative Generation and Propargylation of 2-Azaallyl Anions. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3964-3978.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Synthesis of Conformationally Liberated Yohimbine Analogues and Evaluation of Cytotoxic Activity. ACS Omega, 2021, 6, 19291-19303.	3.5	4
20	Precise Manipulation of Temperature-Driven Chirality Switching of Molecular Universal Joints through Solvent Mixing. Chemistry - A European Journal, 2019, 25, 12451-12451.	3.3	2