

Stuart G Collins

List of Publications by Year in descending order

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papers

823
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687363

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times ranked

1188
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the synthetic potential of a marine transaminase including discrimination at a remote stereocentre. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 188-198.	2.8	0
2	Synthesis and reactivity of α -sulfonyl- β -chloroenones, including oxidation and Stille cross-coupling to form chalcone derivatives. <i>Tetrahedron</i> , 2021, 88, 132091.	1.9	3
3	Exploiting Continuous Processing for Challenging Diazo Transfer and Telescoped Copper-Catalyzed Asymmetric Transformations. <i>Journal of Organic Chemistry</i> , 2021, 86, 13955-13982.	3.2	3
4	Telescoped diazo transfer and rhodium-catalysed α -H insertion in continuous flow. <i>Tetrahedron Letters</i> , 2021, 83, 153438.	1.4	4
5	Generation of Tosyl Azide in Continuous Flow Using an Azide Resin, and Telescoping with Diazo Transfer and Rhodium Acetate-Catalyzed α -H Insertion. <i>Organic Process Research and Development</i> , 2021, 25, 2772-2785.	2.7	7
6	Scale-up and Optimization of a Continuous Flow Synthesis of an α -Thio- β -chloroacrylamide. <i>Organic Process Research and Development</i> , 2020, 24, 1978-1987.	2.7	3
7	Synthesis of 1,2,5-oxathiazole- <i>S</i> -oxides by 1,3-dipolar cycloadditions of nitrile oxides to α -oxo sulfines. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 622-638.	2.8	4
8	Mechanistic Study of In Situ Generation and Use of Methanesulfonyl Azide as a Diazo Transfer Reagent with Real-time Monitoring by FlowNMR. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3575-3580.	2.4	2
9	Identification of an Esterase Isolated Using Metagenomic Technology which Displays an Unusual Substrate Scope and its Characterisation as an Enantioselective Biocatalyst. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2466-2474.	4.3	2
10	Synthesis and use of a cost-effective, aqueous soluble diazo transfer reagent α -m-carboxybenzenesulfonyl azide. <i>Tetrahedron Letters</i> , 2019, 60, 35-39.	1.4	7
11	Solubility Measurement and Thermodynamic Modeling of		

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19	Synthesis of novel 24-amino-25,26,27-trinorlanost-8-enes: Cytotoxic and apoptotic potential in U937 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2270-2280.	3.0	8
20	Taming Hazardous Chemistry in Flow: The Continuous Processing of Diazo and Diazonium Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 2298-2308.	3.3	163
21	Hetero-Wolff Rearrangement of an α -Sulfinyl Carbene: Thermally Activated Intersystem Crossing of the Lowest Excited Triplet State of a Ground-State Singlet Carbene. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2297-2304.	2.4	13
22	Design and synthesis of stable α -diazo- β -oxo sulfoxides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1706.	2.8	15
23	Anti-inflammatory properties of potato glycoalkaloids in stimulated Jurkat and Raw 264.7 mouse macrophages. <i>Life Sciences</i> , 2013, 92, 775-782.	4.3	61
24	Development of ^{13}C insertion for the attachment of phosphonates to nucleosides; synthesis of α -carboxy phosphononucleosides. <i>Tetrahedron</i> , 2012, 68, 1894-1909.	1.9	8
25	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
26	Addition-substitution reactions of 2-thio-3-chloroacrylamides with carbon, nitrogen, oxygen, sulfur and selenium nucleophiles. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2452.	2.8	16
27	Bioactivities of Glycoalkaloids and Their Aglycones from Solanum Species. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3454-3484.	5.2	227
28	Cell-based impedance spectroscopy for probing inhibitory effects of steroids and ergostane/lanosta-related compounds. <i>Analytical Methods</i> , 2010, 2, 870.	2.7	10
29	Microwave-Assisted Reactions of α -Diazosulfoxides to Form α -Oxosulfines. <i>Synlett</i> , 2008, 2008, 659-662.	1.8	2
30	Phenylalanine dehydrogenase mutants: Efficient biocatalysts for synthesis of non-natural phenylalanine derivatives. <i>Journal of Biotechnology</i> , 2007, 128, 408-411.	3.8	29
31	Photochemistry of cis-3-Diazo-5,6-dimethyl-1,4-oxathian-2-one S-Oxide in Argon Matrices. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2918-2924.	2.4	15
32	Chemoenzymatic methods in the asymmetric synthesis of α -diazosulfoxides. <i>Arkivoc</i> , 2003, 2003, 96-109.	0.5	7
33	Matrix Isolation and Photochemistry of α -Diazo Sulfoxides: Formation of α -Oxo Sulfine as an Intermediate. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3329-3335.	2.4	17