

Kerry Gilmore

List of Publications by Year in descending order

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33
papers

3,335
citations

257101

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360668

35
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41
all docs

41
docs citations

41
times ranked

3258
citing authors

#	ARTICLE	IF	CITATIONS
1	The Hitchhiker's Guide to Flow Chemistry. <i>Chemical Reviews</i> , 2017, 117, 11796-11893.	23.0	1,410
2	Continuous-Flow Oxidative Cyanation of Primary and Secondary Amines Using Singlet Oxygen. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 557-561.	7.2	145
3	Automated radial synthesis of organic molecules. <i>Nature</i> , 2020, 579, 379-384.	13.7	140
4	Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9976-9979.	7.2	134
5	Continuous Flow Photochemistry. <i>Chemical Record</i> , 2014, 14, 410-418.	2.9	132
6	How to approach flow chemistry. <i>Chemical Society Reviews</i> , 2020, 49, 8910-8932.	18.7	131
7	Continuous synthesis of artemisinin-derived medicines. <i>Chemical Communications</i> , 2014, 50, 12652-12655.	2.2	118
8	An Empirical Understanding of the Glycosylation Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 11942-11953.	6.6	101
9	Chemical Assembly Systems: Layered Control for Divergent, Continuous, Multistep Syntheses of Active Pharmaceutical Ingredients. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 678-682.	7.2	99
10	A Concise Flow Synthesis of Efavirenz. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4945-4948.	7.2	99
11	Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14374-14378.	7.2	80
12	Remote Participation during Glycosylation Reactions of Galactose Building Blocks: Direct Evidence from Cryogenic Vibrational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6166-6171.	7.2	76
13	Literally Green Chemical Synthesis of Artemisinin from Plant Extracts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5525-5528.	7.2	62
14	Chemoselective Photoredox Synthesis of Unprotected Primary Amines Using Ammonia. <i>Organic Letters</i> , 2018, 20, 4081-4085.	2.4	54
15	Factors Influencing the Regioselectivity of the Oxidation of Asymmetric Secondary Amines with Singlet Oxygen. <i>Chemistry - A European Journal</i> , 2015, 21, 6528-6534.	1.7	50
16	Recovery of Artemisinin from a Complex Reaction Mixture Using Continuous Chromatography and Crystallization. <i>Organic Process Research and Development</i> , 2015, 19, 624-634.	1.3	39
17	Predicting glycosylation stereoselectivity using machine learning. <i>Chemical Science</i> , 2021, 12, 2931-2939.	3.7	37
18	Flow Synthesis of Fluorinated α -Amino Acids. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3036-3039.	1.2	31

#	ARTICLE	IF	CITATIONS
19	Visible-Light-Mediated Achmatowicz Rearrangement. <i>Organic Letters</i> , 2017, 19, 30-33.	2.4	28
20	Integrated flow processing " challenges in continuous multistep synthesis. <i>Journal of Flow Chemistry</i> , 2017, 7, 129-136.	1.2	27
21	Integrated on-chip mass spectrometry reaction monitoring in microfluidic devices containing porous polymer monolithic columns. <i>Analyst, The</i> , 2016, 141, 5412-5416.	1.7	26
22	Consecutive oxygen-based oxidations convert amines to $\hat{\pm}$ -cyanoepoxides. <i>Chemical Communications</i> , 2014, 50, 12649-12651.	2.2	25
23	Organic Photoredox Chemistry in Flow. <i>Topics in Organometallic Chemistry</i> , 2015, , 43-76.	0.7	25
24	An Integrated Lab-on-a-Chip Approach to Study Heterogeneous Enantioselective Catalysts at the Microscale. <i>ChemCatChem</i> , 2018, 10, 5382-5385.	1.8	24
25	Continuous and convergent access to vicinyl amino alcohols. <i>Chemical Communications</i> , 2015, 51, 15133-15136.	2.2	23
26	Kontinuierliche heterogene Photokatalyse in seriellen Mikro-Batch-Reaktoren. <i>Angewandte Chemie</i> , 2018, 130, 10127-10131.	1.6	23
27	A Sustainable, Semi-Continuous Flow Synthesis of Hydantoins. <i>Chemistry - A European Journal</i> , 2016, 22, 13451-13454.	1.7	19
28	Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie</i> , 2019, 131, 14512-14516.	1.6	18
29	Fernpartizipation in Glykosylierungen von Galaktose-Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. <i>Angewandte Chemie</i> , 2020, 132, 6224-6229.	1.6	17
30	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. <i>ChemPhysChem</i> , 2020, 21, 1905-1907.	1.0	15
31	Combining radial and continuous flow synthesis to optimize and scale-up the production of medicines. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 220-224.	1.9	15
32	Wirklich grüne Synthese von Artemisinin aus Pflanzenextrakt. <i>Angewandte Chemie</i> , 2018, 130, 5623-5626.	1.6	6
33	Click, Zoom, Explore: Interactive 3D (i-3D) Figures in Standard Teaching Materials (PDFs). <i>Journal of Chemical Education</i> , 2021, 98, 3470-3475.	1.1	0