Kerry Gilmore

List of Publications by Year
in descending order

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33 papers	3,335 citations	257101 24 h-index	360668 35 g-index
41 all docs	41 docs citations	41 times ranked	3258 citing authors

#	Article	IF	Citations
1	Predicting glycosylation stereoselectivity using machine learning. Chemical Science, 2021, 12, 2931-2939.	3.7	37
2	Combining radial and continuous flow synthesis to optimize and scale-up the production of medicines. Reaction Chemistry and Engineering, 2021, 6, 220-224.	1.9	15
3	Click, Zoom, Explore: Interactive 3D (i-3D) Figures in Standard Teaching Materials (PDFs). Journal of Chemical Education, 2021, 98, 3470-3475.	1.1	0
4	The Impact of Leaving Group Anomericity on the Structure of Glycosyl Cations of Protected Galactosides. ChemPhysChem, 2020, 21, 1905-1907.	1.0	15
5	How to approach flow chemistry. Chemical Society Reviews, 2020, 49, 8910-8932.	18.7	131
6	Automated radial synthesis of organic molecules. Nature, 2020, 579, 379-384.	13.7	140
7	Fernpartizipation in Glykosylierungen von Galaktoseâ€Bausteinen: Direktnachweis durch kryogene Schwingungsspektroskopie. Angewandte Chemie, 2020, 132, 6224-6229.	1.6	17
8	Remote Participation during Glycosylation Reactions of Galactose Building Blocks: Direct Evidence from Cryogenic Vibrational Spectroscopy. Angewandte Chemie - International Edition, 2020, 59, 6166-6171.	7.2	76
9	Energyâ€Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. Angewandte Chemie, 2019, 131, 14512-14516.	1.6	18
10	Energyâ€Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. Angewandte Chemie - International Edition, 2019, 58, 14374-14378.	7.2	80
11	Literally Green Chemical Synthesis of Artemisinin from Plant Extracts. Angewandte Chemie - International Edition, 2018, 57, 5525-5528.	7.2	62
12	Kontinuierliche heterogene Photokatalyse in seriellen Mikroâ€Batchâ€Reaktoren. Angewandte Chemie, 2018, 130, 10127-10131.	1.6	23
13	Continuous Heterogeneous Photocatalysis in Serial Microâ€Batch Reactors. Angewandte Chemie - International Edition, 2018, 57, 9976-9979.	7.2	134
14	Wirklich grÃ¼ne Synthese von Artemisinin aus Pflanzenextrakt. Angewandte Chemie, 2018, 130, 5623-5626.	1.6	6
15	An Integrated Labâ€onâ€aâ€chip Approach to Study Heterogeneous Enantioselective Catalysts at the Microscale. ChemCatChem, 2018, 10, 5382-5385.	1.8	24
16	Chemoselective Photoredox Synthesis of Unprotected Primary Amines Using Ammonia. Organic Letters, 2018, 20, 4081-4085.	2.4	54
17	An Empirical Understanding of the Glycosylation Reaction. Journal of the American Chemical Society, 2018, 140, 11942-11953.	6.6	101
18	The Hitchhikerâ€™s Guide to Flow Chemistry. Chemical Reviews, 2017, 117, 11796-11893.	23.0	1,410

#	Article	IF	Citations
19	Visible-Light-Mediated Achmatowicz Rearrangement. Organic Letters, 2017, 19, 30-33.	2.4	28
20	Integrated flow processing â€" challenges in continuous multistep synthesis. Journal of Flow Chemistry, 2017, 7, 129-136.	1.2	27
21	A Sustainable, Semiâ€Continuous Flow Synthesis of Hydantoins. Chemistry - A European Journal, 2016, 22, 13451-13454.	1.7	19
22	Integrated on-chip mass spectrometry reaction monitoring in microfluidic devices containing porous polymer monolithic columns. Analyst, The, 2016, 141, 5412-5416.	1.7	26
23	Chemical Assembly Systems: Layered Control for Divergent, Continuous, Multistep Syntheses of Active Pharmaceutical Ingredients. Angewandte Chemie - International Edition, 2015, 54, 678-682.	7.2	99
24	A Concise Flow Synthesis of Efavirenz. Angewandte Chemie - International Edition, 2015, 54, 4945-4948.	7.2	99
25	Factors Influencing the Regioselectivity of the Oxidation of Asymmetric Secondary Amines with Singlet Oxygen. Chemistry - A European Journal, 2015, 21, 6528-6534.	1.7	50
26	Recovery of Artemisinin from a Complex Reaction Mixture Using Continuous Chromatography and Crystallization. Organic Process Research and Development, 2015, 19, 624-634.	1.3	39
27	Flow Synthesis of Fluorinated Î±â€Amino Acids. European Journal of Organic Chemistry, 2015, 2015, 3036-3039.	1.2	31
28	Organic Photoredox Chemistry in Flow. Topics in Organometallic Chemistry, 2015, , 43-76.	0.7	25
29	Continuous and convergent access to vicinyl amino alcohols. Chemical Communications, 2015, 51, 15133-15136.	2.2	23
30	Continuousâ€Flow Oxidative Cyanation of Primary and Secondary Amines Using Singlet Oxygen. Angewandte Chemie - International Edition, 2014, 53, 557-561.	7.2	145
31	Continuous synthesis of artemisinin-derived medicines. Chemical Communications, 2014, 50, 12652-12655.	2.2	118
32	Consecutive oxygen-based oxidations convert amines to Î±-cyanoepoxides. Chemical Communications, 2014, 50, 12649-12651.	2.2	25
33	Continuous Flow Photochemistry. Chemical Record, 2014, 14, 410-418.	2.9	132