The Hitchhikerâ€s Guide to Flow Chemistry

Chemical Reviews

117, 11796-11893

DOI: 10.1021/acs.chemrev.7b00183

#	Article	IF	Citations
1	Screwing NaBH₄ through a Barrel without a Bang: A Kneaded Alternative to Fed-Batch Carbonyl Reductions. Organic Process Research and Development, 2017, 21, 992-1002.	1.3	21
2	A Versatile Route to Unstable Diazo Compounds via Oxadiazolines and their Use in Arylâ€“Alkyl Crossâ€Coupling Reactions. Angewandte Chemie - International Edition, 2017, 56, 16602-16605.	7.2	62
3	Telescoped continuous flow generation of a library of highly substituted 3-thio-1,2,4-triazoles. Reaction Chemistry and Engineering, 2017, 2, 896-907.	1.9	12
4	A Versatile Route to Unstable Diazo Compounds via Oxadiazolines and their Use in Arylâ€“Alkyl Crossâ€Coupling Reactions. Angewandte Chemie, 2017, 129, 16829-16832.	1.6	17
5	Process Development and Scale-up of the Continuous Flow Nitration of Trifluoromethoxybenzene. Organic Process Research and Development, 2017, 21, 1843-1850.	1.3	49
6	Introduction: Natural Product Synthesis. Chemical Reviews, 2017, 117, 11649-11650.	23.0	7
7	Micromixing enables chemoselective reactions of difunctional electrophiles with functional aryllithiums. Reaction Chemistry and Engineering, 2017, 2, 862-870.	1.9	12
8	Exploiting the Continuous in situ Generation of Mesyl Azide for Use in a Telescoped Process. European Journal of Organic Chemistry, 2017, 2017, 6533-6539.	1.2	21
9	A Convenient, Mild, and Green Synthesis of NHâ€Sulfoximines in Flow Reactors. European Journal of Organic Chemistry, 2017, 2017, 6486-6490.	1.2	40
10	Photochemical Dualâ€Catalytic Synthesis of Alkynyl Sulfides. Angewandte Chemie - International Edition, 2017, 56, 12255-12259.	7.2	58
11	Photochemical Dualâ€Catalytic Synthesis of Alkynyl Sulfides. Angewandte Chemie, 2017, 129, 12423-12427.	1.6	15
12	Visible light-induced iniferter polymerization of methacrylates enhanced by continuous flow. Polymer Chemistry, 2017, 8, 6496-6505.	1.9	77
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14	Visibleâ€Lightâ€Mediated Selective Arylation of Cysteine in Batch and Flow. Angewandte Chemie, 2017, 129, 12876-12881.	1.6	30
15	Visibleâ€Lightâ€Mediated Selective Arylation of Cysteine in Batch and Flow. Angewandte Chemie - International Edition, 2017, 56, 12702-12707.	7.2	94
16	Environmentally Friendly Synthesis of Indoline Derivatives using Flowâ€Chemistry Techniques. European Journal of Organic Chemistry, 2017, 2017, 6525-6532.	1.2	9
17	An environmentally benign and selective electrochemical oxidation of sulfides and thiols in a continuous-flow microreactor. Green Chemistry, 2017, 19, 4061-4066.	4.6	133
18	Optimizing Chemical Reactions with Deep Reinforcement Learning. ACS Central Science, 2017, 3, 1337-1344.	5.3	291

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20	Synthesis of cyclopent-2-enones from furans using a nebulizer-based continuous flow photoreactor. Organic and Biomolecular Chemistry, 2017, 15, 10151-10155.	1.5	14
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22	Lignin depolymerization to monophenolic compounds in a flow-through system. Green Chemistry, 2017, 19, 5767-5771.	4.6	164
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40	Controlled Transformations of Aryl Halides in a Flow System: Selective Synthesis of Aryl Azides and Aniline Derivatives. Advanced Synthesis and Catalysis, 2018, 360, 1841-1849.	2.1	16
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