

Natan Johannes Willem Straathof

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

2,417
citations

687220

13
h-index

1058333

14
g-index

18
all docs

18
docs citations

18
times ranked

2600
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Continuous-Flow Photochemistry in Organic Synthesis, Material Science, and Water Treatment. <i>Chemical Reviews</i> , 2016, 116, 10276-10341.	23.0	1,166
2	Late-stage difluoromethylation: concepts, developments and perspective. <i>Chemical Society Reviews</i> , 2021, 50, 8214-8247.	18.7	172
3	Practical Photocatalytic Trifluoromethylation and Hydrotrifluoromethylation of Styrenes in Batch and Flow. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15549-15553.	7.2	171
4	Metal-Free Photocatalytic Aerobic Oxidation of Thiols to Disulfides in Batch and Continuous-Flow. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2180-2186.	2.1	164
5	Rapid Trifluoromethylation and Perfluoroalkylation of Five-Membered Heterocycles by Photoredox Catalysis in Continuous Flow. <i>ChemSusChem</i> , 2014, 7, 1612-1617.	3.6	145
6	An environmentally benign and selective electrochemical oxidation of sulfides and thiols in a continuous-flow microreactor. <i>Green Chemistry</i> , 2017, 19, 4061-4066.	4.6	133
7	Organophotoredox Hydrodefluorination of Trifluoromethylarenes with Translational Applicability to Drug Discovery. <i>Journal of the American Chemical Society</i> , 2020, 142, 9181-9187.	6.6	120
8	A mild and fast photocatalytic trifluoromethylation of thiols in batch and continuous-flow. <i>Chemical Science</i> , 2014, 5, 4768-4773.	3.7	109
9	Accelerated gas-liquid visible light photoredox catalysis with continuous-flow photochemical microreactors. <i>Nature Protocols</i> , 2016, 11, 10-21.	5.5	88
10	Practical Photocatalytic Trifluoromethylation and Hydrotrifluoromethylation of Styrenes in Batch and Flow. <i>Angewandte Chemie</i> , 2016, 128, 15778-15782.	1.6	44
11	Synthesis of ¹⁸ F-difluoromethylarenes using aryl boronic acids, ethyl bromofluoroacetate and [¹⁸ F]fluoride. <i>Chemical Science</i> , 2019, 10, 3237-3241.	3.7	36
12	[¹⁸ F]Difluorocarbene for positron emission tomography. <i>Nature</i> , 2022, 606, 102-108.	13.7	30
13	Synthesis of Fluorinated Alkyl Aryl Ethers by Palladium-Catalyzed C-O Cross-Coupling. <i>Organic Letters</i> , 2020, 22, 6573-6577.	2.4	23
14	Multi-patient dose synthesis of [¹⁸ F]Flumazenil via a copper-mediated ¹⁸ F-fluorination. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2022, 7, 5.	1.8	6
15	Novel Bifunctional [¹⁶]aneS ₄ -Derived Chelators for Soft Radiometals. <i>Molecules</i> , 2021, 26, 4603.	1.7	0