

Bartholomäus Pieber

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,976
citations

218381

26
h-index

253896

43
g-index

51
all docs

51
docs citations

51
times ranked

4217
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	Microwave Effects in Organic Synthesis: Myth or Reality?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1088-1094.	7.2	457
3	Heterogeneous Photocatalysis in Organic Synthesis. <i>ChemPhotoChem</i> , 2020, 4, 456-475.	1.5	147
4	Overcoming limitations in dual photoredox/nickel-catalysed C–N cross-couplings due to catalyst deactivation. <i>Nature Catalysis</i> , 2020, 3, 611-620.	16.1	144
5	Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9976-9979.	7.2	134
6	Emerging concepts in photocatalytic organic synthesis. <i>IScience</i> , 2021, 24, 102209.	1.9	109
7	Semi-heterogeneous Dual Nickel/Photocatalysis using Carbon Nitrides: Esterification of Carboxylic Acids with Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9575-9580.	7.2	108
8	Copper-Catalyzed Formation of C–O Bonds by Direct C–H Bond Activation of Ethers Using Stoichiometric Amounts of Peroxide in Batch and Continuous-Flow Formats. <i>Chemistry - A European Journal</i> , 2012, 18, 6124-6128.	1.7	96
9	Semiheterogeneous Dual Nickel/Photocatalytic (Thio)etherification Using Carbon Nitrides. <i>Organic Letters</i> , 2019, 21, 5331-5334.	2.4	92
10	Direct aerobic oxidation of 2-benzylpyridines in a gas-liquid continuous-flow regime using propylene carbonate as a solvent. <i>Green Chemistry</i> , 2013, 15, 320.	4.6	88
11	Dichloromethylation of enones by carbon nitride photocatalysis. <i>Nature Communications</i> , 2020, 11, 1387.	5.8	83
12	Generation and Synthetic Application of Trifluoromethyl Diazomethane Utilizing Continuous Flow Technologies. <i>Organic Letters</i> , 2016, 18, 1076-1079.	2.4	82
13	Regulation of Gene Expression through a Transcriptional Repressor that Senses Acyl-Chain Length in Membrane Phospholipids. <i>Developmental Cell</i> , 2014, 29, 729-739.	3.1	78
14	Acridine-Functionalized Covalent Organic Frameworks (COFs) as Photocatalysts for Metallaphotocatalytic C–N Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	77
15	In Situ Generation of Diimide from Hydrazine and Oxygen: Continuous-Flow Transfer Hydrogenation of Olefins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10241-10244.	7.2	76
16	An oscillatory plug flow photoreactor facilitates semi-heterogeneous dual nickel/carbon nitride photocatalytic C–N couplings. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 597-604.	1.9	68
17	A Sequential Ugi Multicomponent/Cu-Catalyzed Azide-Alkyne Cycloaddition Approach for the Continuous Flow Generation of Cyclic Peptoids. <i>Journal of Organic Chemistry</i> , 2015, 80, 4590-4602.	1.7	62
18	Immobilized Iron Oxide Nanoparticles as Stable and Reusable Catalysts for Hydrazine-Mediated Nitro Reductions in Continuous Flow. <i>ChemSusChem</i> , 2014, 7, 3122-3131.	3.6	54

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19	Chromoselective Photocatalysis Enables Stereocomplementary Biocatalytic Pathways**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6965-6969.	7.2	52
20	Evidence for Photocatalyst Involvement in Oxidative Additions of Nickel-Catalyzed Carboxylate <i>cis</i> -Arylations. <i>Journal of the American Chemical Society</i> , 2020, 142, 11042-11049.	6.6	46
21	Photochemical Strategies for Carbon-Heteroatom Bond Formation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1379-1392.	1.2	44
22	Direct Arylation of Benzene with Aryl Bromides using High-Temperature/High-Pressure Process Windows: Expanding the Scope of C-H Activation Chemistry. <i>Chemistry - A European Journal</i> , 2012, 18, 5047-5055.	1.7	39
23	Flash carboxylation: fast lithiation-carboxylation sequence at room temperature in continuous flow. <i>RSC Advances</i> , 2014, 4, 13430.	1.7	37
24	Continuous Flow Reduction of Artemisinin Acid Utilizing Multi-Injection Strategies Closing the Gap Towards a Fully Continuous Synthesis of Antimalarial Drugs. <i>Chemistry - A European Journal</i> , 2015, 21, 4368-4376.	1.7	37
25	Visible-Light-Mediated Oxidative Debenzylation Enables the Use of Benzyl Ethers as Temporary Protecting Groups. <i>Organic Letters</i> , 2021, 23, 514-518.	2.4	36
26	Integrated flow processing - challenges in continuous multistep synthesis. <i>Journal of Flow Chemistry</i> , 2017, 7, 129-136.	1.2	27
27	In Situ Generation of Diimide from Hydrazine and Oxygen: Continuous Flow Transfer Hydrogenation of Olefins. <i>Angewandte Chemie</i> , 2013, 125, 10431-10434.	1.6	26
28	Aerobic Oxidations in Continuous Flow. <i>Topics in Organometallic Chemistry</i> , 2015, , 97-136.	0.7	25
29	Kontinuierliche heterogene Photokatalyse in seriellen Mikro-Batch-Reaktoren. <i>Angewandte Chemie</i> , 2018, 130, 10127-10131.	1.6	23
30	Carbon dot/TiO ₂ nanocomposites as photocatalysts for metallaphotocatalytic carbon-heteroatom cross-couplings. <i>Green Chemistry</i> , 2021, 23, 4524-4530.	4.6	22
31	Modular, Self-Assembling Metallaphotocatalyst for Cross-Couplings Using the Full Visible-Light Spectrum. <i>ACS Catalysis</i> , 2020, 10, 13269-13274.	5.5	21
32	Semi-heterogene duale Nickel-Photokatalyse mit Kohlenstoffnitriden: Veresterung von Carbonsäuren mit Arylhalogeniden. <i>Angewandte Chemie</i> , 2019, 131, 9676-9681.	1.6	20
33	Continuous Synthesis of Hydantoins: Intensifying the Bucherer-Bergs Reaction. <i>Synlett</i> , 2015, 27, 83-87.	1.0	18
34	Novel sensitive determination of steryl glycosides in biodiesel by gas chromatography-mass spectroscopy. <i>Journal of Chromatography A</i> , 2010, 1217, 6555-6561.	1.8	17
35	Selective Olefin Reduction in Thebaine Using Hydrazine Hydrate and O ₂ under Intensified Continuous Flow Conditions. <i>Organic Process Research and Development</i> , 2016, 20, 376-385.	1.3	17
36	Safe and Scalable Continuous Flow Azidophenylselenylation of Galactal to Prepare Galactosamine Building Blocks. <i>Organic Process Research and Development</i> , 2019, 23, 2764-2770.	1.3	12

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37	Chromoselective Photocatalysis Enables Stereocomplementary Biocatalytic Pathways**. <i>Angewandte Chemie</i> , 2021, 133, 7041-7045.	1.6	12
38	Benzylic Fluorination Induced by a Charge-Transfer Complex with a Solvent-Dependent Selectivity Switch. <i>Organic Letters</i> , 2022, 24, 5376-5380.	2.4	11
39	Heterogeneous Photocatalysis in Organic Synthesis. <i>ChemPhotoChem</i> , 2020, 4, 454-454.	1.5	10
40	Recyclable, Bifunctional Metallaphotocatalysts for C ^α -S Cross-Coupling Reactions. <i>ChemPhotoChem</i> , 2021, 5, 716-720.	1.5	6
41	Acridine-Functionalized Covalent Organic Frameworks (COFs) as Photocatalysts for Metallaphotocatalytic C ^α -N Cross-Coupling. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6