

Heejin Kim

List of Publications by Year in descending order

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47
papers

2,598
citations

279487

23
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189595

50
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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidics-Assisted Synthesis of Hierarchical Cu ₂ O Nanocrystal as C ₂ -Selective CO ₂ Reduction Electrocatalyst. <i>Small Methods</i> , 2022, 6, e2200074.	4.6	19
2	Scalable Subsecond Synthesis of Drug Scaffolds via Aryllithium Intermediates by Numbered-up 3D-Printed Metal Microreactors. <i>ACS Central Science</i> , 2022, 8, 43-50.	5.3	6
3	Microfluidics-Assisted Synthesis of Hierarchical Cu ₂ O Nanocrystal as C ₂ -Selective CO ₂ Reduction Electrocatalyst (Small Methods 5/2022). <i>Small Methods</i> , 2022, 6, .	4.6	1
4	Direct C-H metallation of tetrahydrofuran and application in flow. , 2022, 1, 558-564.		6
5	Continuous-flow Si-H functionalizations of hydrosilanes <i>via</i> sequential organolithium reactions catalyzed by potassium <i>tert</i>-butoxide. <i>Green Chemistry</i> , 2021, 23, 1193-1199.	4.6	14
6	Regioselective Synthesis of $\hat{\pm}$ -Functional Stilbenes via Precise Control of Rapid <i>cis</i>-<i>trans</i> Isomerization in Flow. <i>Organic Letters</i> , 2021, 23, 2904-2910.	2.4	6
7	Pd ₃ Pb Nanosponges for Selective Conversion of Furfural to Furfuryl Alcohol under Mild Condition. <i>Small Methods</i> , 2021, 5, e2100400.	4.6	8
8	Integrated Synthesis Using Isothiocyanate-Substituted Aryllithiums by Flow Chemistry. <i>Synlett</i> , 2020, 31, 1899-1902.	1.0	5
9	From <i>p</i>-Xylene to Ibuprofen in Flow: Three-Step Synthesis by a Unified Sequence of Chemoselective C-H Metalations. <i>Chemistry - A European Journal</i> , 2019, 25, 11641-11645.	1.7	25
10	Enhanced Controllability of Fries Rearrangements Using High-Resolution 3D-Printed Metal Microreactor with Circular Channel. <i>Small</i> , 2019, 15, e1905005.	5.2	20
11	A Catalyst-Free Amination of Functional Organolithium Reagents by Flow Chemistry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4063-4066.	7.2	33
12	A Catalyst-Free Amination of Functional Organolithium Reagents by Flow Chemistry. <i>Angewandte Chemie</i> , 2018, 130, 4127-4130.	1.6	15
13	Control of tandem isomerizations: flow-assisted reactions of <i>o</i>-lithiated aryl benzyl ethers. <i>Chemical Communications</i> , 2018, 54, 547-550.	2.2	20
14	Memory of Chirality in a Flow-Based System: Enantioselective Synthesis of Quaternary $\hat{\pm}$ -Amino Acids Using Flow Microreactors. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6754-6757.	1.2	15
15	Sequential double C-H functionalization of 2,5-norbornadiene in flow. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 635-639.	1.9	12
16	Harnessing [1,4], [1,5], and [1,6] Anionic Fries-type Rearrangements by Reaction-Time Control in Flow. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7863-7866.	7.2	23
17	Harnessing [1,4], [1,5], and [1,6] Anionic Fries-type Rearrangements by Reaction-Time Control in Flow. <i>Angewandte Chemie</i> , 2017, 129, 7971-7974.	1.6	5
18	“Impossible”-chemistries based on flow and micro. <i>Journal of Flow Chemistry</i> , 2017, 7, 60-64.	1.2	53

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19	Flow-Assisted Synthesis of [10]Cycloparaphenylene through Serial Microreactions under Mild Conditions. <i>Angewandte Chemie</i> , 2016, 128, 1444-1448.	1.6	8
20	Innenr¼cktitelbild: Flow-Assisted Synthesis of [10]Cycloparaphenylene through Serial Microreactions under Mild Conditions (<i>Angew. Chem.</i> 4/2016). <i>Angewandte Chemie</i> , 2016, 128, 1591-1591.	1.6	0
21	Submillisecond organic synthesis: Outpacing Fries rearrangement through microfluidic rapid mixing. <i>Science</i> , 2016, 352, 691-694.	6.0	206
22	Flow-Assisted Synthesis of [10]Cycloparaphenylene through Serial Microreactions under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1422-1426.	7.2	24
23	Multilayered film microreactors fabricated by a one-step thermal bonding technique with high reproducibility and their applications. <i>Lab on A Chip</i> , 2016, 16, 977-983.	3.1	13
24	Integrated One-Flow Synthesis of Heterocyclic Thioquinazolinones through Serial Microreactions with Two Organolithium Intermediates. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1877-1880.	7.2	66
25	A monolithic and flexible fluoropolymer film microreactor for organic synthesis applications. <i>Lab on A Chip</i> , 2014, 14, 4270-4276.	3.1	19
26	A pressure-tolerant polymer microfluidic device fabricated by the simultaneous solidification-bonding method and flash chemistry application. <i>Lab on A Chip</i> , 2014, 14, 4263-4269.	3.1	17
27	Highly Durable and Efficient Quantum Dot-Sensitized Solar Cells Based on Oligomer Gel Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11245-11253.	4.0	51
28	Freestanding CdS nanotube films as efficient photoanodes for photoelectrochemical cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9587.	5.2	25
29	Highly Efficient Photoelectrochemical Hydrogen Generation Using a Quantum Dot Coupled Hierarchical ZnO Nanowires Array. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13258-13264.	4.0	44
30	Synthesis of Functionalized Aryl Fluorides Using Organolithium Reagents in Flow Microreactors. <i>Chemistry - an Asian Journal</i> , 2013, 8, 705-708.	1.7	41
31	A highly efficient light capturing 2D (nanosheet)-1D (nanorod) combined hierarchical ZnO nanostructure for efficient quantum dot sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2109.	1.3	68
32	Hybrid-Type Quantum-Dot Cosensitized ZnO Nanowire Solar Cell with Enhanced Visible-Light Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 268-275.	4.0	85
33	Photo-driven autonomous hydrogen generation system based on hierarchically shelled ZnO nanostructures. <i>Applied Physics Letters</i> , 2013, 103, 223903.	1.5	4
34	Functionalization of Organotrifluoroborates via Cu-Catalyzed C-N Coupling Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 42-48.	1.0	3
35	Improvement of photocurrent generation of Ag ₂ S sensitized solar cell through co-sensitization with CdS. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	50
36	Anti-Human Rhinoviral Activity of Polybromocatechol Compounds Isolated from the Rhodophyta, <i>Neorhodomela aculeata</i> . <i>Marine Drugs</i> , 2012, 10, 2222-2233.	2.2	20

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37	Fabrication of a novel hierarchical assembly of ZnO nanowires on WO _x nanowhiskers for highly efficient field electron emission. <i>Journal of Materials Chemistry</i> , 2011, 21, 13458.	6.7	23
38	Flash synthesis of TAC-101 and its analogues from 1,3,5-tribromobenzene using integrated flow microreactor systems. <i>RSC Advances</i> , 2011, 1, 758.	1.7	38
39	A flow-microreactor approach to protecting-group-free synthesis using organolithium compounds. <i>Nature Communications</i> , 2011, 2, 264.	5.8	221
40	Highly Efficient Photoelectrochemical Hydrogen Generation Using Hierarchical ZnO/WO _x Nanowires Cosensitized with CdSe/CdS. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25429-25436.	1.5	108
41	Green and Sustainable Chemical Synthesis Using Flow Microreactors. <i>ChemSusChem</i> , 2011, 4, 331-340.	3.6	380
42	A Flow Microreactor System Enables Organolithium Reactions without Protecting Alkoxy carbonyl Groups. <i>Chemistry - A European Journal</i> , 2010, 16, 11167-11177.	1.7	94
43	Coexistence of unipolar and bipolar resistive switching characteristics in ZnO thin films. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	89
44	Generation and reaction of cyano-substituted aryllithium compounds using microreactors. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1212.	1.5	103
45	Nitro-substituted Aryl Lithium Compounds in Microreactor Synthesis: Switch between Kinetic and Thermodynamic Control. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8063-8065.	7.2	141
46	Aryllithium Compounds Bearing Alkoxy carbonyl Groups: Generation and Reactions Using a Microflow System. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7833-7836.	7.2	155
47	Integrated Micro Flow Synthesis Based on Sequential Li Exchange Reactions of <i>p</i> - and <i>m</i> -, and <i>o</i> -Dibromobenzenes. <i>Chemistry - an Asian Journal</i> , 2007, 2, 1513-1523.	1.7	99