

Dong-pyo Kim

List of Publications by Year in descending order

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132
papers

4,787
citations

94269

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146
all docs

146
docs citations

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times ranked

6592
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified carbon nitride nanozyme as bifunctional glucose oxidase-peroxidase for metal-free bioinspired cascade photocatalysis. <i>Nature Communications</i> , 2019, 10, 940.	5.8	349
2	Microfluidic Approach toward Continuous and Ultrafast Synthesis of Metal-Organic Framework Crystals and Hetero Structures in Confined Microdroplets. <i>Journal of the American Chemical Society</i> , 2013, 135, 14619-14626.	6.6	294
3	Submillisecond organic synthesis: Outpacing Fries rearrangement through microfluidic rapid mixing. <i>Science</i> , 2016, 352, 691-694.	6.0	206
4	Metal Doped Core-Shell Metal-Organic Frameworks@Covalent Organic Frameworks (MOFs@COFs) Hybrids as a Novel Photocatalytic Platform. <i>Advanced Functional Materials</i> , 2018, 28, 1707110.	7.8	188
5	Three-dimensionally crossing manifold micro-mixer for fast mixing in a short channel length. <i>Lab on A Chip</i> , 2011, 11, 100-103.	3.1	139
6	Protein-based soft micro-optics fabricated by femtosecond laser direct writing. <i>Light: Science and Applications</i> , 2014, 3, e129-e129.	7.7	133
7	Continuous In-Situ Generation, Separation, and Reaction of Diazomethane in a Dual-Channel Microreactor. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5952-5955.	7.2	132
8	Bioactive MIL-88A Framework Hollow Spheres via Interfacial Reaction In-Droplet Microfluidics for Enzyme and Nanoparticle Encapsulation. <i>Chemistry of Materials</i> , 2015, 27, 7903-7909.	3.2	121
9	Reversed Janus Micro/Nanomotors with Internal Chemical Engine. <i>ACS Nano</i> , 2016, 10, 8751-8759.	7.3	108
10	Synthesis and characterization of poly(aminoborane) as a new boron nitride precursor. <i>Polymers for Advanced Technologies</i> , 1999, 10, 702-712.	1.6	101
11	Odorless Isocyanide Chemistry: An Integrated Microfluidic System for a Multistep Reaction Sequence. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7564-7568.	7.2	101
12	Dual-Channel Microreactor for Gas-Liquid Syntheses. <i>Journal of the American Chemical Society</i> , 2010, 132, 10102-10106.	6.6	90
13	Safe Use of a Toxic Compound: Heterogeneous OsO ₄ Catalysis in a Nanobrush Polymer Microreactor. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6735-6738.	7.2	87
14	Efficient photosensitized oxygenations in phase contact enhanced microreactors. <i>Lab on A Chip</i> , 2011, 11, 1941.	3.1	85
15	Cultivation of an indigenous <i>Chlorella sorokiniana</i> with phytohormones for biomass and lipid production under N-limitation. <i>Algal Research</i> , 2017, 23, 178-185.	2.4	80
16	Wettable Superhydrophobic Antifogging Coatings for Optical Sensors. <i>Advanced Materials</i> , 2020, 32, e2002710.	11.1	74
17	Metal-organic framework patterns and membranes with heterogeneous pores for flow-assisted switchable separations. <i>Nature Communications</i> , 2018, 9, 3968.	5.8	73
18	Continuous flow synthesis of toxic ethyl diazoacetate for utilization in an integrated microfluidic system. <i>Green Chemistry</i> , 2014, 16, 116-120.	4.6	70

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19	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
20	Monolithic and Flexible Polyimide Film Microreactors for Organic Microchemical Applications Fabricated by Laser Ablation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7063-7067.	7.2	65
21	Properties of Boron Nitride (B _x N _y) Films Produced by the Spin-Coating Process of Polyborazine. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2681-2683.	1.9	64
22	One-Pot Defunctionalization of Lignin-Derived Compounds by Dual-Functional Pd ₅₀ Ag ₅₀ /Fe ₃ O ₄ /N-rGO Catalyst. <i>ACS Catalysis</i> , 2015, 5, 6964-6972.	5.5	62
23	Hydrophobic MOFs@Metal Nanoparticles@COFs for Interfacially Confined Photocatalysis with High Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20589-20595.	4.0	61
24	Integrated CO ₂ capture-fixation chemistry via interfacial ionic liquid catalyst in laminar gas/liquid flow. <i>Nature Communications</i> , 2017, 8, 14676.	5.8	60
25	Pore-Surface Engineering by Decorating Metal-Oxo Nodes with Phenylsilane to Give Versatile Super-Hydrophobic Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7405-7409.	7.2	60
26	One-flow syntheses of diverse heterocyclic furan chemicals directly from fructose via tandem transformation platform. <i>NPG Asia Materials</i> , 2015, 7, e173-e173.	3.8	51
27	Ratiometric Fluorescent Polymeric Thermometer for Thermogenesis Investigation in Living Cells. <i>Analytical Chemistry</i> , 2015, 87, 10535-10541.	3.2	51
28	Recent advances for serial processes of hazardous chemicals in fully integrated microfluidic systems. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2253-2267.	1.2	50
29	Novel inorganic polymer derived microreactors for organic microchemistry applications. <i>Lab on A Chip</i> , 2008, 8, 1454.	3.1	49
30	Nano-photocatalysts in microfluidics, energy conversion and environmental applications. <i>Lab on A Chip</i> , 2015, 15, 2352-2356.	3.1	49
31	A microfluidic system incorporated with peptide/Pd nanowires for heterogeneous catalytic reactions. <i>Lab on A Chip</i> , 2011, 11, 378-380.	3.1	47
32	Covalent Self-Assembly and One-Step Photocrosslinking of Tyrosine-Rich Oligopeptides to Form Diverse Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6925-6928.	7.2	46
33	A numbering-up metal microreactor for the high-throughput production of a commercial drug by copper catalysis. <i>Lab on A Chip</i> , 2019, 19, 3535-3542.	3.1	46
34	Three-dimensional flash flow microreactor for scale-up production of monodisperse PEG-PLGA nanoparticles. <i>Lab on A Chip</i> , 2014, 14, 3987-3992.	3.1	44
35	Digital Microfluidic Approach for Efficient Electroporation with High Productivity: Transgene Expression of Microalgae without Cell Wall Removal. <i>Analytical Chemistry</i> , 2015, 87, 6592-6599.	3.2	44
36	Multifaceted thermoresponsive poly(N-vinylcaprolactam) coupled with carbon dots for biomedical applications. <i>Materials Science and Engineering C</i> , 2016, 61, 492-498.	3.8	42

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37	Direct Fabrication of Free-Standing MOF Superstructures with Desired Shapes by Micro-Confined Interfacial Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7116-7120.	7.2	41
38	Continuous-Flow Visible Light Organophotocatalysis for Direct Arylation of 2-Hydroxyindazoles: Fast Access to Drug Molecules. <i>ChemSusChem</i> , 2019, 12, 2581-2586.	3.6	39
39	Fabrication of SiC-Based Ceramic Microstructures from Preceramic Polymers with Sacrificial Templates and Lithographic Techniques-A Review. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 473-479.	1.3	38
40	Synthesis of hierarchically porous zeolite A crystals with uniform particle size in a droplet microreactor. <i>RSC Advances</i> , 2012, 2, 5323.	1.7	38
41	Intensified synthesis and post-synthetic modification of covalent organic frameworks using a continuous flow of microdroplets technique. <i>NPG Asia Materials</i> , 2018, 10, e456-e456.	3.8	38
42	3D-printed monolithic SiCN ceramic microreactors from a photocurable preceramic resin for the high temperature ammonia cracking process. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1393-1399.	1.9	38
43	Eco-efficient preparation of a N-doped graphene equivalent and its application to metal free selective oxidation reaction. <i>Green Chemistry</i> , 2014, 16, 3024-3030.	4.6	34
44	Direct Synthesis of a Covalently Self-Assembled Peptide Nanogel from a Tyrosine-Rich Peptide Monomer and Its Biomaterialized Hybrids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5630-5634.	7.2	33
45	Direct preparation of mesoporous carbon by pyrolysis of poly(acrylonitrile-b-methylmethacrylate) diblock copolymer. <i>Journal of Materials Chemistry</i> , 2011, 21, 14226.	6.7	32
46	Chemical fixation of carbon dioxide by copper catalyzed multicomponent reactions for oxazolidinone syntheses. <i>Green Chemistry</i> , 2015, 17, 1404-1407.	4.6	30
47	Dynamically tunable nanoparticle engineering enabled by short contact-time microfluidic synthesis with a reactive gas. <i>RSC Advances</i> , 2013, 3, 2897.	1.7	29
48	Magnetically Actuated SiCN-Based Ceramic Microrobot for Guided Cell Delivery. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900739.	3.9	29
49	Versatile Processing of Metal-Organic Framework-Fluoropolymer Composite Inks with Chemical Resistance and Sensor Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4385-4392.	4.0	29
50	A 3D-printed flow distributor with uniform flow rate control for multi-stacked microfluidic systems. <i>Lab on a Chip</i> , 2018, 18, 1250-1258.	3.1	28
51	Chitosan-Microreactor: A Versatile Approach for Heterogeneous Organic Synthesis in Microfluidics. <i>ChemSusChem</i> , 2014, 7, 1864-1869.	3.6	27
52	Towards Versatile Continuous-Flow Chemistry and Process Technology Via New Conceptual Microreactor Systems. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 757-772.	1.0	27
53	Heterogeneous PdAg alloy catalyst for selective methylation of aromatic amines with formic acid under an additive-free and solvothermal one-pot condition. <i>NPG Asia Materials</i> , 2015, 7, e222-e222.	3.8	26
54	Micro-total envelope system with silicon nanowire separator for safe carcinogenic chemistry. <i>Nature Communications</i> , 2016, 7, 10741.	5.8	26

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55	Emerging microreaction systems based on 3D printing techniques and separation technologies. <i>Journal of Flow Chemistry</i> , 2017, 7, 72-81.	1.2	26
56	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
57	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
58	Inorganic Polymer Micropillar-Based Solution Shearing of Large-Area Organic Semiconductor Thin Films with Pillar-Size-Dependent Crystal Size. <i>Advanced Materials</i> , 2018, 30, e1800647.	11.1	24
59	Superamphiphobic Silicon-Nanowire-Embedded Microsystem and In-Contact Flow Performance of Gas and Liquid Streams. <i>ACS Nano</i> , 2016, 10, 1156-1162.	7.3	23
60	Photocatalysis in a multi-capillary assembly microreactor: toward up-scaling the synthesis of 2H-indazoles as drug scaffolds. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1466-1471.	1.9	23
61	Practical approach for macroporous structure embedded microfluidic system and the catalytic microchemical application. <i>Lab on A Chip</i> , 2011, 11, 57-62.	3.1	22
62	Continuous Recycling of Homogeneous Pd/Cu Catalysts for Cross-Coupling Reactions. <i>Organic Letters</i> , 2014, 16, 3974-3977.	2.4	22
63	Simultaneous Monitoring of Temperature and Ca ²⁺ Concentration Variation by Fluorescent Polymer during Intracellular Heat Production. <i>Analytical Chemistry</i> , 2020, 92, 8579-8583.	3.2	22
64	Highly efficient and continuous production of few-layer black phosphorus nanosheets and quantum dots via acoustic-microfluidic process. <i>Chemical Engineering Journal</i> , 2018, 333, 336-342.	6.6	21
65	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
66	Enhanced Controllability of Fries Rearrangements Using High-Resolution 3D-Printed Metal Microreactor with Circular Channel. <i>Small</i> , 2019, 15, e1905005.	5.2	20
67	A monolithic and flexible fluoropolymer film microreactor for organic synthesis applications. <i>Lab on A Chip</i> , 2014, 14, 4270-4276.	3.1	19
68	Continuous-flow photo-induced decarboxylative annulative access to fused imidazole derivatives <i>via</i> a microreactor containing immobilized ruthenium. <i>Green Chemistry</i> , 2020, 22, 1565-1571.	4.6	19
69	Interwoven MOF-Coated Janus Cells as a Novel Carrier of Toxic Proteins. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18545-18553.	4.0	19
70	Facile Nondestructive Assembly of Tyrosine-Rich Peptide Nanofibers as a Biological Glue for Multicomponent-Based Nanoelectrode Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1705729.	7.8	18
71	Temperature-Responsive Janus Particles as Microsurfactants for On-Demand Coalescence of Emulsions. <i>Small</i> , 2020, 16, e2005159.	5.2	18
72	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

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73	Rapid and Automated Quantification of Microalgal Lipids on a Spinning Disc. <i>Analytical Chemistry</i> , 2015, 87, 7865-7871.	3.2	17
74	Robust Production of Well-Controlled Microdroplets in a 3D-Printed Chimney-Shaped Milli-Fluidic Device. <i>Advanced Materials Technologies</i> , 2019, 4, 1900457.	3.0	16
75	Pore-Surface Engineering by Decorating Metal-Oxo Nodes with Phenylsilane to Give Versatile Super-Hydrophobic Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie</i> , 2019, 131, 7483-7487.	1.6	16
76	Flow parallel synthesizer for multiplex synthesis of aryl diazonium libraries via efficient parameter screening. <i>Communications Chemistry</i> , 2021, 4, .	2.0	15
77	Continuous-flow Si-H functionalizations of hydrosilanes via sequential organolithium reactions catalyzed by potassium tert-butoxide. <i>Green Chemistry</i> , 2021, 23, 1193-1199.	4.6	14
78	A microfluidic perfusion platform for cultivation and screening study of motile microalgal cells. <i>Biomicrofluidics</i> , 2014, 8, 024113.	1.2	13
79	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
80	Air-water interfacial fluidic sonolysis in superhydrophobic silicon-nanowire-embedded system for fast water treatment. <i>Chemical Engineering Journal</i> , 2019, 358, 1594-1600.	6.6	13
81	Compact reaction-module on a pad for scalable flow-production of organophosphates as drug scaffolds. <i>Lab on A Chip</i> , 2020, 20, 973-978.	3.1	13
82	Synthesis of ficin-protected AuNCs in a droplet-based microreactor for sensing serum ferric ions. <i>Talanta</i> , 2019, 200, 547-552.	2.9	12
83	Formation of gas-liquid slugs in millimeter-scale T-junctions Slug size estimation framework. <i>Chemical Engineering Journal</i> , 2020, 385, 123492.	6.6	12
84	Polyvinylsilazane layer coating and its application in poly(dimethylsiloxane) microchip electrophoresis. <i>Microchemical Journal</i> , 2013, 110, 753-757.	2.3	11
85	Whole ceramic-like microreactors from inorganic polymers for high temperature or/and high pressure chemical syntheses. <i>Lab on A Chip</i> , 2014, 14, 779-786.	3.1	11
86	Synthesis and properties of UV curable polyvinylsilazane as a precursor for microstructuring. <i>Polymers for Advanced Technologies</i> , 2015, 26, 245-249.	1.6	11
87	Reaction-volume dependent chemistry of highly selective photocatalytic reduction of nitrobenzene. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1752-1756.	1.9	11
88	Magnetically Guidable Proteinaceous Adhesive Microbots for Targeted Locoregional Therapeutics Delivery in the Highly Dynamic Environment of the Esophagus. <i>Advanced Functional Materials</i> , 2021, 31, 2104602.	7.8	11
89	Rapid Single-Step Growth of MOF Exoskeleton on Mammalian Cells for Enhanced Cytoprotection. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3075-3081.	2.6	9
90	Robust and scalable production of emulsion-templated microparticles in 3D-printed milli-fluidic device. <i>Chemical Engineering Journal</i> , 2022, 431, 133998.	6.6	9

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91	Flow-Assisted Synthesis of [10]Cycloparaphenylene through Serial Microreactions under Mild Conditions. <i>Angewandte Chemie</i> , 2016, 128, 1444-1448.	1.6	8
92	Ultrasound-mediated intracellular delivery of fluorescent dyes and DNA into microalgal cells. <i>Algal Research</i> , 2016, 15, 210-216.	2.4	8
93	Flow-Assisted Switchable Catalysis of Metal Ions in a Microenvelope System Embedded with Core-Shell Polymers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43104-43111.	4.0	8
94	Integrated Microfluidic Photo-Flow Process (Î¼-PFP) for Direct Upconversion of Exhaust Gas to Value-Added Chemicals. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19605-19611.	3.2	8
95	Rapid exfoliation for few-layer enriched black phosphorus dispersion <i>via</i> a superhydrophobic silicon-nanowire-embedded microfluidic process. <i>Green Chemistry</i> , 2020, 22, 699-706.	4.6	8
96	One-flow upscaling neutralization of an organophosphonate-derived pesticide/nerve agent simulant to value-added chemicals in a novel Teflon microreactor platform. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1454-1461.	1.9	8
97	Covalent Self-Assembly and One-Step Photocrosslinking of Tyrosine-Rich Oligopeptides to Form Diverse Nanostructures. <i>Angewandte Chemie</i> , 2016, 128, 7039-7042.	1.6	7
98	On-chip electroporation system of Polyimide film with sheath flow design for efficient delivery of molecules into microalgae. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 88, 159-166.	2.9	7
99	Assessing the impact of deviations in optimized multistep flow synthesis on the scale-up. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 838-848.	1.9	7
100	Synthesis of <i>in Situ</i> Microphase-Separated Organic-Inorganic Block Polymer Precursors to 3D-Continuous Mesoporous SiC-based Ceramic Monoliths. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2802-2809.	2.0	7
101	Direct Synthesis of a Covalently Self-Assembled Peptide Nanogel from a Tyrosine-Rich Peptide Monomer and Its Biomineralized Hybrids. <i>Angewandte Chemie</i> , 2018, 130, 5732-5736.	1.6	6
102	Ultrafast synthesis of 2-(benzhydrylthio)benzo[d]oxazole, an antimalarial drug, via an unstable lithium thiolate intermediate in a capillary microreactor. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 849-852.	1.9	6
103	Regioselective Synthesis of Î±-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
104	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
105	Direct C-H metallation of tetrahydrofuran and application in flow. , 2022, 1, 558-564.		6
106	Continuous-Flow Synthesis of Functional Carbonaceous Particles from Biomass under Hydrothermal Carbonization. <i>Journal of Flow Chemistry</i> , 2014, 4, 195-199.	1.2	5
107	Enhanced Boiling Heat Transfer Performance on Microstructured Silicate Glass Surfaces Derived from Inorganic Polymer-Based Soft Lithography. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600507.	1.9	5
108	Direct Aryl-Aryl Coupling without Pre-Functionalization Enabled by Excessive Oxidation of Two-Electron Ag(I)/Ag(III) Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2032-2042.	2.1	5

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109	Integrated Synthesis Using Isothiocyanate-Substituted Aryllithiums by Flow Chemistry. <i>Synlett</i> , 2020, 31, 1899-1902.	1.0	5
110	Study on controllable enzymolysis by chiral capillary electrophoresis with an ultraviolet-visible responsive polymer membrane based L-asparaginase reactor. <i>Talanta</i> , 2021, 234, 122676.	2.9	5
111	Cytocompatible asymmetrical coating for Janus carrier synthesis through capillary wetting and ascending. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 54-62.	5.0	5
112	Effective and uniform cooling on a porous micro-structured surface with visualization of liquid/vapor interface. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 1114-1124.	2.5	4
113	Synthesis and characterization of poly(aminoborane) as a new boron nitride precursor. , 1999, 10, 702.		4
114	Chemical-Resistant Green Luminescent Concentrator-Based Photo-Microreactor via One-Touch Assembly of 3D-Printed Modules. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3951-3959.	3.2	4
115	Cyanide-Free Cyanation of sp^2 and sp^3 Carbon Atoms by an Oxazole-Based Masked CN Source Using Flow Microreactors. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
116	Laminar flow-assisted synthesis of amorphous ZIF-8-based nano-motor with enhanced transmigration for photothermal cancer therapy. <i>Nanoscale</i> , 2022, 14, 10835-10843.	2.8	3
117	Indirect fabrication of versatile 3D microfluidic device by a rotating plate combined 3D printing system. <i>RSC Advances</i> , 2018, 8, 37693-37699.	1.7	2
118	Solution Shearing: Inorganic Polymer Micropillar-Based Solution Shearing of Large-Area Organic Semiconductor Thin Films with Pillar-Size-Dependent Crystal Size (<i>Adv. Mater.</i> 29/2018). <i>Advanced Materials</i> , 2018, 30, 1870216.	11.1	2
119	A platform for accelerated continuous-flow radical polymerization of acrylates and styrene with copper-wire threads. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1854-1860.	1.9	2
120	Biocompatible Microrobots: Magnetically Actuated SiCN-Based Ceramic Microrobot for Guided Cell Delivery (<i>Adv. Healthcare Mater.</i> 21/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970085.	3.9	2
121	Bimodal Light-Harvesting Microfluidic System Using Upconversion Nanocrystals for Enhanced Flow Photocatalysis. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	2
122	Inside Cover: Monolithic and Flexible Polyimide Film Microreactors for Organic Microchemical Applications Fabricated by Laser Ablation (<i>Angew. Chem. Int. Ed.</i> 39/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6910-6910.	7.2	1
123	Hydrolytic conversion of preceramic polymers into silicate glass coatings with different wettability. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 11-20.	1.1	1
124	Fast-Synthesis of β -Phosphonyloxy Ketones as Drug Scaffolds in a Capillary Microreactor. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7730-7734.	1.2	1
125	3D nanoweb-like zeolitic imidazole framework in a microfluidic system for catalytic applications. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1129-1134.	1.9	1
126	Innentitelbild: Monolithic and Flexible Polyimide Film Microreactors for Organic Microchemical Applications Fabricated by Laser Ablation (<i>Angew. Chem.</i> 39/2010). <i>Angewandte Chemie</i> , 2010, 122, 7064-7064.	1.6	0

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127	Novel 2D periodic arrays of carbon microholes by nanosphere lithography. <i>Materials Letters</i> , 2013, 111, 71-74.	1.3	0
128	Covalent Self-Assembly and One-Step Photocrosslinking of Tyrosine-Rich Oligopeptides to Form Diverse Nanostructures (<i>Angew. Chem.</i> 24/2016). <i>Angewandte Chemie</i> , 2016, 128, 7122-7122.	1.6	0
129	Heat Transfer: Enhanced Boiling Heat Transfer Performance on Microstructured Silicate Glass Surfaces Derived from Inorganic Polymer-Based Soft Lithography (<i>Adv. Mater. Interfaces</i> 20/2016). <i>Advanced Materials Interfaces</i> , 2016, 3, .	1.9	0
130	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
131	Superhydrophobic Coatings: Wettable Superhydrophobic Antifogging Coatings for Optical Sensors (<i>Adv. Mater.</i> 34/2020). <i>Advanced Materials</i> , 2020, 32, 2070256.	11.1	0
132	Janus Particles: Temperature-Responsive Janus Particles as Microsurfactants for On-Demand Coalescence of Emulsions (<i>Small</i> 49/2020). <i>Small</i> , 2020, 16, 2070267.	5.2	0