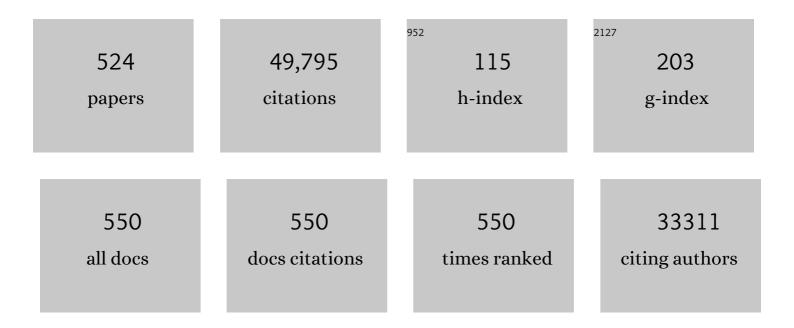
List of Publications by Year in descending order

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KINNS FIENSEN

#	Article	IF	CITATIONS
1	Automated Chemical Reaction Extraction from Scientific Literature. Journal of Chemical Information and Modeling, 2022, 62, 2035-2045.	5.4	26
2	Design and operation of an enhanced pervaporation device with static mixers. AICHE Journal, 2022, 68, e17455.	3.6	7
3	Generating molecules with optimized aqueous solubility using iterative graph translation. Reaction Chemistry and Engineering, 2022, 7, 297-309.	3.7	5
4	Microfluidic Squeezing Enables MHC Class I Antigen Presentation by Diverse Immune Cells to Elicit CD8+ T Cell Responses with Antitumor Activity. Journal of Immunology, 2022, 208, 929-940.	0.8	11
5	Continuous stirred-tank reactor cascade platform for self-optimization of reactions involving solids. Reaction Chemistry and Engineering, 2022, 7, 1315-1327.	3.7	22
6	Generative models for molecular discovery: Recent advances and challenges. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, .	14.6	78
7	Automation and Microfluidics for the Efficient, Fast, and Focused Reaction Development of Asymmetric Hydrogenation Catalysis. ChemSusChem, 2022, 15, .	6.8	4
8	Similarity based enzymatic retrosynthesis. Chemical Science, 2022, 13, 6039-6053.	7.4	10
9	Photochemical Synthesis of the Bioactive Fragment of Salbutamol and Derivatives in a Selfâ€Optimizing Flow Chemistry Platform. Chemistry - A European Journal, 2022, 28, .	3.3	8
10	Bayesian Optimization of Computer-Proposed Multistep Synthetic Routes on an Automated Robotic Flow Platform. ACS Central Science, 2022, 8, 825-836.	11.3	47
11	Evaluating and clustering retrosynthesis pathways with learned strategy. Chemical Science, 2021, 12, 1469-1478.	7.4	34
12	Direct Optimization across Computer-Generated Reaction Networks Balances Materials Use and Feasibility of Synthesis Plans for Molecule Libraries. Journal of Chemical Information and Modeling, 2021, 61, 493-504.	5.4	5
13	Design of dynamic trajectories for efficient and data-rich exploration of flow reaction design spaces. Reaction Chemistry and Engineering, 2021, 6, 2306-2314.	3.7	14
14	Regio-selectivity prediction with a machine-learned reaction representation and on-the-fly quantum mechanical descriptors. Chemical Science, 2021, 12, 2198-2208.	7.4	75
15	Toward Machine Learning-Enhanced High-Throughput Experimentation. Trends in Chemistry, 2021, 3, 120-132.	8.5	66
16	Dispersion in coiled tubular reactors: A CFD and experimental analysis on the effect of pitch. Chemical Engineering Science, 2021, 233, 116393.	3.8	5
17	Ready, Set, Flow! Automated Continuous Synthesis and Optimization. Trends in Chemistry, 2021, 3, 373-386.	8.5	74
18	On-Demand Continuous Manufacturing of Ciprofloxacin in Portable Plug-and-Play Factories: Development of a Highly Efficient Synthesis for Ciprofloxacin. Organic Process Research and Development, 2021, 25, 1524-1533.	2.7	14

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19	A high-temperature continuous stirred-tank reactor cascade for the multistep synthesis of InP/ZnS quantum dots. Reaction Chemistry and Engineering, 2021, 6, 459-464.	3.7	14
20	Photoredox Iridium–Nickel Dual Catalyzed Cross-Electrophile Coupling: From a Batch to a Continuous Stirred-Tank Reactor via an Automated Segmented Flow Reactor. Organic Process Research and Development, 2021, 25, 2323-2330.	2.7	12
21	The Open Reaction Database. Journal of the American Chemical Society, 2021, 143, 18820-18826.	13.7	112
22	Autonomous Discovery in the Chemical Sciences Partâ€I: Progress. Angewandte Chemie - International Edition, 2020, 59, 22858-22893.	13.8	180
23	Autonomous Discovery in the Chemical Sciences Partâ€II: Outlook. Angewandte Chemie - International Edition, 2020, 59, 23414-23436.	13.8	139
24	Autonome Entdeckung in den chemischen Wissenschaften, Teil l: Fortschritt. Angewandte Chemie, 2020, 132, 23054-23091.	2.0	11
25	Autonome Entdeckung in den chemischen Wissenschaften, Teil II: Ausblick. Angewandte Chemie, 2020, 132, 23620-23643.	2.0	4
26	Continuous Multistage Synthesis and Functionalization of Sub-100 nm Silica Nanoparticles in 3D-Printed Continuous Stirred-Tank Reactor Cascades. ACS Applied Materials & Interfaces, 2020, 12, 6699-6706.	8.0	13
27	Identifying the roles of acid–base sites in formation pathways of tolualdehydes from acetaldehyde over MgO-based catalysts. Catalysis Science and Technology, 2020, 10, 536-548.	4.1	6
28	Determination of fast gas–liquid reaction kinetics in flow. Reaction Chemistry and Engineering, 2020, 5, 51-57.	3.7	10
29	Accessing multidimensional mixing via 3D printing and showerhead micromixer design. AICHE Journal, 2020, 66, e16873.	3.6	22
30	An automated flow platform for accurate determination of gas–liquid–solid reaction kinetics. Reaction Chemistry and Engineering, 2020, 5, 1751-1758.	3.7	30
31	Characterization of reaction enthalpy and kinetics in a microscale flow platform. Reaction Chemistry and Engineering, 2020, 5, 2115-2122.	3.7	22
32	A Multifunctional Microfluidic Platform for Highâ€Throughput Experimentation of Electroorganic Chemistry. Angewandte Chemie - International Edition, 2020, 59, 20890-20894.	13.8	41
33	A Multifunctional Microfluidic Platform for Highâ€Throughput Experimentation of Electroorganic Chemistry. Angewandte Chemie, 2020, 132, 21076-21080.	2.0	4
34	Towards efficient discovery of green synthetic pathways with Monte Carlo tree search and reinforcement learning. Chemical Science, 2020, 11, 10959-10972.	7.4	31
35	Iterative experimental design based on active machine learning reduces the experimental burden associated with reaction screening. Reaction Chemistry and Engineering, 2020, 5, 1963-1972.	3.7	54
36	Nanocrystal synthesis, μfluidic sample dilution and direct extraction of single emission linewidths in continuous flow. Lab on A Chip, 2020, 20, 1975-1980.	6.0	0

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37	Development of a Versatile Modular Flow Chemistry Benchtop System. Organic Process Research and Development, 2020, 24, 2105-2112.	2.7	5
38	Continuous flow Suzuki–Miyaura couplings in water under micellar conditions in a CSTR cascade catalyzed by Fe/ppm Pd nanoparticles. Green Chemistry, 2020, 22, 3441-3444.	9.0	24
39	Continuous Production of Five Active Pharmaceutical Ingredients in Flexible Plug-and-Play Modules: A Demonstration Campaign. Organic Process Research and Development, 2020, 24, 2183-2196.	2.7	50
40	Microfluidic electrochemistry for single-electron transfer redox-neutral reactions. Science, 2020, 368, 1352-1357.	12.6	194
41	Current and Future Roles of Artificial Intelligence in Medicinal Chemistry Synthesis. Journal of Medicinal Chemistry, 2020, 63, 8667-8682.	6.4	118
42	Data Augmentation and Pretraining for Template-Based Retrosynthetic Prediction in Computer-Aided Synthesis Planning. Journal of Chemical Information and Modeling, 2020, 60, 3398-3407.	5.4	44
43	Combining retrosynthesis and mixed-integer optimization for minimizing the chemical inventory needed to realize a WHO essential medicines list. Reaction Chemistry and Engineering, 2020, 5, 367-376.	3.7	5
44	Multitask prediction of site selectivity in aromatic C–H functionalization reactions. Reaction Chemistry and Engineering, 2020, 5, 896-902.	3.7	35
45	Radial flow system decouples reactions in automated synthesis of organic molecules. Nature, 2020, 579, 346-348.	27.8	4
46	Machine learned prediction of reaction template applicability for data-driven retrosynthetic predictions of energetic materials. AIP Conference Proceedings, 2020, , .	0.4	3
47	A robotic platform for flow synthesis of organic compounds informed by AI planning. Science, 2019, 365, .	12.6	548
48	High-Speed Vapor Transport Deposition of Perovskite Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 32928-32936.	8.0	24
49	Use of a Droplet Platform To Optimize Pd-Catalyzed C–N Coupling Reactions Promoted by Organic Bases. Organic Process Research and Development, 2019, 23, 1594-1601.	2.7	50
50	Analyzing Learned Molecular Representations for Property Prediction. Journal of Chemical Information and Modeling, 2019, 59, 3370-3388.	5.4	773
51	A Continuous Stirred-Tank Reactor (CSTR) Cascade for Handling Solid-Containing Photochemical Reactions. Organic Process Research and Development, 2019, 23, 2699-2706.	2.7	64
52	BigSMILES: A Structurally-Based Line Notation for Describing Macromolecules. ACS Central Science, 2019, 5, 1523-1531.	11.3	134
53	Analysis and simulation of multiphase hydrodynamics in capillary microseparators. Lab on A Chip, 2019, 19, 706-715.	6.0	8
54	A graph-convolutional neural network model for the prediction of chemical reactivity. Chemical Science, 2019, 10, 370-377.	7.4	430

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55	Revealing the Formation Mechanism of Alloyed Pd–Ru Nanoparticles: A Conversion Measurement Approach Utilizing a Microflow Reactor. Langmuir, 2019, 35, 2236-2243.	3.5	9
56	RDChiral: An RDKit Wrapper for Handling Stereochemistry in Retrosynthetic Template Extraction and Application. Journal of Chemical Information and Modeling, 2019, 59, 2529-2537.	5.4	96
57	Continuous manufacturing – the Green Chemistry promise?. Green Chemistry, 2019, 21, 3481-3498.	9.0	222
58	Flow Toolkit for Measuring Gas Diffusivity in Liquids. Analytical Chemistry, 2019, 91, 4004-4009.	6.5	14
59	Adding Crystals To Minimize Clogging in Continuous Flow Synthesis. Crystal Growth and Design, 2019, 19, 98-105.	3.0	11
60	Optimum catalyst selection over continuous and discrete process variables with a single droplet microfluidic reaction platform. Reaction Chemistry and Engineering, 2018, 3, 301-311.	3.7	69
61	Ligand-Mediated Nanocrystal Growth. Langmuir, 2018, 34, 3307-3315.	3.5	19
62	Continuous, on-demand generation and separation of diphenylphosphoryl azide. Tetrahedron, 2018, 74, 3137-3142.	1.9	8
63	Advanced Continuous Flow Platform for Onâ€Demand Pharmaceutical Manufacturing. Chemistry - A European Journal, 2018, 24, 2776-2784.	3.3	81
64	Catalytic hydrogenation of <i>N</i> -4-nitrophenyl nicotinamide in a micro-packed bed reactor. Green Chemistry, 2018, 20, 886-893.	9.0	52
65	SCScore: Synthetic Complexity Learned from a Reaction Corpus. Journal of Chemical Information and Modeling, 2018, 58, 252-261.	5.4	176
66	Efficient kinetic experiments in continuous flow microreactors. Reaction Chemistry and Engineering, 2018, 3, 94-101.	3.7	63
67	Machine Learning in Computer-Aided Synthesis Planning. Accounts of Chemical Research, 2018, 51, 1281-1289.	15.6	430
68	Photoredox Iridium–Nickel Dual-Catalyzed Decarboxylative Arylation Cross-Coupling: From Batch to Continuous Flow via Self-Optimizing Segmented Flow Reactor. Organic Process Research and Development, 2018, 22, 542-550.	2.7	101
69	Optimization of Grignard Addition to Esters: Kinetic and Mechanistic Study of Model Phthalide Using Flow Chemistry. Industrial & Engineering Chemistry Research, 2018, 57, 4859-4866.	3.7	12
70	High-performance miniature CSTR for biphasic C–C bond-forming reactions. Chemical Engineering Journal, 2018, 335, 936-944.	12.7	19
71	Automated measurements of gasâ€liquid mass transfer in micropacked bed reactors. AICHE Journal, 2018, 64, 564-570.	3.6	56
72	Continuous purification of active pharmaceutical ingredients utilizing polymer membrane surface wettability. Chemical Communications, 2018, 54, 70-73.	4.1	28

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73	Reduction of Dispersion in Ultrasonically-Enhanced Micropacked Beds. Industrial & Engineering Chemistry Research, 2018, 57, 122-128.	3.7	10
74	Liquid–liquid extraction in flow of the radioisotope titanium-45 for positron emission tomography applications. Reaction Chemistry and Engineering, 2018, 3, 898-904.	3.7	22
75	Using Machine Learning To Predict Suitable Conditions for Organic Reactions. ACS Central Science, 2018, 4, 1465-1476.	11.3	245
76	Mechanistic Insights and Controlled Synthesis of Radioluminescent ZnSe Quantum Dots Using a Microfluidic Reactor. Chemistry of Materials, 2018, 30, 8562-8570.	6.7	32
77	Reconfigurable system for automated optimization of diverse chemical reactions. Science, 2018, 361, 1220-1225.	12.6	339
78	Continuous <i>N</i> â€Hydroxyphthalimide (NHPI)â€Mediated Electrochemical Aerobic Oxidation of Benzylic Câ^'H Bonds. Chemistry - A European Journal, 2018, 24, 10260-10265.	3.3	48
79	Multistage Microfluidic Platform for the Continuous Synthesis of Ill–V Core/Shell Quantum Dots. Angewandte Chemie, 2018, 130, 11081-11084.	2.0	18
80	Multistage Microfluidic Platform for the Continuous Synthesis of Ill–V Core/Shell Quantum Dots. Angewandte Chemie - International Edition, 2018, 57, 10915-10918.	13.8	68
81	Scalable thin-layer membrane reactor for heterogeneous and homogeneous catalytic gas–liquid reactions. Green Chemistry, 2018, 20, 3867-3874.	9.0	24
82	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. Chemical Reviews, 2018, 118, 7409-7531.	47.7	490
83	Thermoformed fluoropolymer tubing for in-line mixing. Reaction Chemistry and Engineering, 2018, 3, 707-713.	3.7	25
84	Flow chemistry—Microreaction technology comes of age. AICHE Journal, 2017, 63, 858-869.	3.6	351
85	Facile Soft-Templated Synthesis of High-Surface Area and Highly Porous Carbon Nitrides. Chemistry of Materials, 2017, 29, 1496-1506.	6.7	92
86	High-throughput nuclear delivery and rapid expression of DNA via mechanical and electrical cell-membrane disruption. Nature Biomedical Engineering, 2017, 1, .	22.5	158
87	A fully automated flow-based approach for accelerated peptide synthesis. Nature Chemical Biology, 2017, 13, 464-466.	8.0	235
88	Next-generation in vivo optical imaging with short-wave infrared quantum dots. Nature Biomedical Engineering, 2017, 1, .	22.5	490
89	Microfluidic Assisted Synthesis of Hybrid Au–Pd Dumbbell-like Nanostructures: Sequential Addition of Reagents and Ultrasonic Radiation. Crystal Growth and Design, 2017, 17, 2700-2710.	3.0	24
90	Prediction of Organic Reaction Outcomes Using Machine Learning. ACS Central Science, 2017, 3, 434-443.	11.3	477

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91	A Rapid Total Synthesis of Ciprofloxacin Hydrochloride in Continuous Flow. Angewandte Chemie, 2017, 129, 8996-8999.	2.0	19
92	Multistage extraction platform for highly efficient and fully continuous purification of nanoparticles. Nanoscale, 2017, 9, 7703-7707.	5.6	37
93	A segmented flow platform for on-demand medicinal chemistry and compound synthesis in oscillating droplets. Chemical Communications, 2017, 53, 6649-6652.	4.1	73
94	Hydrodynamics of gas–liquid flow in micropacked beds: Pressure drop, liquid holdup, and twoâ€phase model. AICHE Journal, 2017, 63, 4694-4704.	3.6	67
95	A Rapid Total Synthesis of Ciprofloxacin Hydrochloride in Continuous Flow. Angewandte Chemie - International Edition, 2017, 56, 8870-8873.	13.8	98
96	Design and Scaling Up of Microchemical Systems: A Review. Annual Review of Chemical and Biomolecular Engineering, 2017, 8, 285-305.	6.8	208
97	Design of Multistage Counter-Current Liquid–Liquid Extraction for Small-Scale Applications. Industrial & Engineering Chemistry Research, 2017, 56, 4095-4103.	3.7	59
98	Simulations and analysis of multiphase transport and reaction in segmented flow microreactors. Chemical Engineering Science, 2017, 169, 106-116.	3.8	86
99	In‣itu Microfluidic Study of Biphasic Nanocrystal Ligandâ€Exchange Reactions Using an Oscillatory Flow Reactor. Angewandte Chemie - International Edition, 2017, 56, 16333-16337.	13.8	34
100	In‣itu Microfluidic Study of Biphasic Nanocrystal Ligandâ€Exchange Reactions Using an Oscillatory Flow Reactor. Angewandte Chemie, 2017, 129, 16551-16555.	2.0	5
101	Characterization and Modeling of the Operating Curves of Membrane Microseparators. Industrial & Engineering Chemistry Research, 2017, 56, 12184-12191.	3.7	14
102	Convolutional Embedding of Attributed Molecular Graphs for Physical Property Prediction. Journal of Chemical Information and Modeling, 2017, 57, 1757-1772.	5.4	317
103	Automated in Situ Measurement of Gas Solubility in Liquids with a Simple Tube-in-Tube Reactor. Analytical Chemistry, 2017, 89, 8524-8530.	6.5	33
104	Ozonolysis of quinoline and quinoline derivatives in a Corning low flow reactor. Reaction Chemistry and Engineering, 2017, 2, 696-702.	3.7	12
105	Computer-Assisted Retrosynthesis Based on Molecular Similarity. ACS Central Science, 2017, 3, 1237-1245.	11.3	200
106	Materialâ€Efficient Microfluidic Platform for Exploratory Studies of Visible‣ight Photoredox Catalysis. Angewandte Chemie - International Edition, 2017, 56, 9847-9850.	13.8	46
107	Materialâ€Efficient Microfluidic Platform for Exploratory Studies of Visibleâ€Light Photoredox Catalysis. Angewandte Chemie, 2017, 129, 9979-9982.	2.0	11
108	Modeling of the formation kinetics and size distribution evolution of II–VI quantum dots. Reaction Chemistry and Engineering, 2017, 2, 567-576.	3.7	14

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109	Oscillatory multiphase flow strategy for chemistry and biology. Lab on A Chip, 2016, 16, 2775-2784.	6.0	61
110	Portable, Constriction–Expansion Blood Plasma Separation and Polymerization-Based Malaria Detection. Analytical Chemistry, 2016, 88, 7627-7632.	6.5	15
111	On-demand continuous-flow production of pharmaceuticals in a compact, reconfigurable system. Science, 2016, 352, 61-67.	12.6	751
112	One "Click―to controlled bifunctional supported catalysts for the Cu/TEMPO-catalyzed aerobic oxidation of alcohols. RSC Advances, 2016, 6, 36602-36605.	3.6	39
113	A miniature CSTR cascade for continuous flow of reactions containing solids. Reaction Chemistry and Engineering, 2016, 1, 501-507.	3.7	64
114	A Size elective Intracellular Delivery Platform. Small, 2016, 12, 5873-5881.	10.0	24
115	Characterization of Indium Phosphide Quantum Dot Growth Intermediates Using MALDI-TOF Mass Spectrometry. Journal of the American Chemical Society, 2016, 138, 13469-13472.	13.7	101
116	In vitro and ex vivo strategies for intracellular delivery. Nature, 2016, 538, 183-192.	27.8	662
117	Nanoengineering a library of metallic nanostructures using a single microfluidic reactor. Nanoscale, 2016, 8, 15288-15295.	5.6	49
118	Biphasic Catalytic Hydrogen Peroxide Oxidation of Alcohols in Flow: Scale-up and Extraction. Organic Process Research and Development, 2016, 20, 1677-1685.	2.7	39
119	Feedback in Flow for Accelerated Reaction Development. Accounts of Chemical Research, 2016, 49, 1786-1796.	15.6	214
120	Molecular Engineering of Trifunctional Supported Catalysts for the Aerobic Oxidation of Alcohols. Angewandte Chemie, 2016, 128, 11210-11214.	2.0	14
121	Molecular Engineering of Trifunctional Supported Catalysts for the Aerobic Oxidation of Alcohols. Angewandte Chemie - International Edition, 2016, 55, 11044-11048.	13.8	55
122	Suzuki–Miyaura cross-coupling optimization enabled by automated feedback. Reaction Chemistry and Engineering, 2016, 1, 658-666.	3.7	125
123	Compact and Integrated Approach for Advanced End-to-End Production, Purification, and Aqueous Formulation of Lidocaine Hydrochloride. Organic Process Research and Development, 2016, 20, 1347-1353.	2.7	34
124	Continuous synthesis of palladium nanorods in oxidative segmented flow. AICHE Journal, 2016, 62, 373-380.	3.6	34
125	Direct Observation of Early-Stage Quantum Dot Growth Mechanisms with High-Temperature Ab Initio Molecular Dynamics. Journal of Physical Chemistry C, 2016, 120, 2472-2483.	3.1	20
126	Live-cell protein labelling with nanometre precision by cell squeezing. Nature Communications, 2016, 7, 10372.	12.8	94

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127	Shape-controlled continuous synthesis of metal nanostructures. Nanoscale, 2016, 8, 7534-7543.	5.6	74
128	Kinetics analysis and automated online screening of aminocarbonylation of aryl halides in flow. Reaction Chemistry and Engineering, 2016, 1, 272-279.	3.7	32
129	Abstract 2293: Vector-free engineering of immune cells for adoptive cell therapy. , 2016, , .		0
130	Mass transfer characteristics of ozonolysis in microreactors and advanced-flow reactors. Journal of Flow Chemistry, 2015, 5, 160-165.	1.9	23
131	The Unexpected Influence of Precursor Conversion Rate in the Synthesis of Ill–V Quantum Dots. Angewandte Chemie - International Edition, 2015, 54, 14299-14303.	13.8	71
132	Ex Vivo Cytosolic Delivery of Functional Macromolecules to Immune Cells. PLoS ONE, 2015, 10, e0118803.	2.5	47
133	Microfluidic squeezing for intracellular antigen loading in polyclonal B-cells as cellular vaccines. Scientific Reports, 2015, 5, 10276.	3.3	88
134	Continuous Thermal Oxidation of Alkenes with Nitrous Oxide in a Packed Bed Reactor. Industrial & Engineering Chemistry Research, 2015, 54, 4166-4173.	3.7	18
135	Characterization and modeling of multiphase flow in structured microreactors: a post microreactor case study. Lab on A Chip, 2015, 15, 3232-3241.	6.0	27
136	Effect of Trace Water on the Growth of Indium Phosphide Quantum Dots. Chemistry of Materials, 2015, 27, 5058-5063.	6.7	57
137	Simultaneous solvent screening and reaction optimization in microliter slugs. Chemical Communications, 2015, 51, 13290-13293.	4.1	79
138	OpenFOAM Computational Fluid Dynamic Simulations of Two-Phase Flow and Mass Transfer in an Advanced-Flow Reactor. Industrial & Engineering Chemistry Research, 2015, 54, 6649-6659.	3.7	56
139	Oscillatory three-phase flow reactor for studies of bi-phasic catalytic reactions. Chemical Communications, 2015, 51, 8916-8919.	4.1	41
140	Continuous Nanofiltration and Recycle of an Asymmetric Ketone Hydrogenation Catalyst. ACS Catalysis, 2015, 5, 2615-2622.	11.2	38
141	Multiphase Oscillatory Flow Strategy forin SituMeasurement and Screening of Partition Coefficients. Analytical Chemistry, 2015, 87, 11130-11136.	6.5	26
142	Oscillatory Microprocessor for Growth and in Situ Characterization of Semiconductor Nanocrystals. Chemistry of Materials, 2015, 27, 6131-6138.	6.7	74
143	OpenFOAM Computational Fluid Dynamic Simulations of Single-Phase Flows in an Advanced-Flow Reactor. Industrial & Engineering Chemistry Research, 2015, 54, 7543-7553.	3.7	25
144	Achieving Continuous Manufacturing: Technologies and Approaches for Synthesis, Workup, and Isolation of Drug Substance May 20–21, 2014 Continuous Manufacturing Symposium. Journal of Pharmaceutical Sciences, 2015, 104, 781-791.	3.3	129

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145	Abstract 5538A: Cell size-specific intracellular delivery. , 2015, , .		Ο
146	Nested potassium hydroxide etching and protective coatings for silicon-based microreactors. Journal of Micromechanics and Microengineering, 2014, 24, 035011.	2.6	1
147	Design, Execution, and Analysis of Time-Varying Experiments for Model Discrimination and Parameter Estimation in Microreactors. Organic Process Research and Development, 2014, 18, 1461-1467.	2.7	22
148	Investigation of Petasis and Ugi reactions in series in an automated microreactor system. RSC Advances, 2014, 4, 63627-63631.	3.6	12
149	Microfluidic Production of Perfluorocarbon-Alginate Core–Shell Microparticles for Ultrasound Therapeutic Applications. Langmuir, 2014, 30, 12391-12399.	3.5	37
150	Engineering the synthesis of silica–gold nano-urchin particles using continuous synthesis. Nanoscale, 2014, 6, 13228-13235.	5.6	25
151	Development of a Multi-Step Synthesis and Workup Sequence for an Integrated, Continuous Manufacturing Process of a Pharmaceutical. Organic Process Research and Development, 2014, 18, 402-409.	2.7	143
152	Rapid Flowâ€Based Peptide Synthesis. ChemBioChem, 2014, 15, 713-720.	2.6	136
153	Scale-Up Investigation of the Continuous Phase-Transfer-Catalyzed Hypochlorite Oxidation of Alcohols and Aldehydes. Organic Process Research and Development, 2014, 18, 1476-1481.	2.7	47
154	Tools for chemical synthesis in microsystems. Lab on A Chip, 2014, 14, 3206-3212.	6.0	186
155	Plasma membrane recovery kinetics of a microfluidic intracellular delivery platform. Integrative Biology (United Kingdom), 2014, 6, 470-475.	1.3	61
156	High Throughput Synthesis of Uniform Biocompatible Polymer Beads with High Quantum Dot Loading Using Microfluidic Jet-Mode Breakup. Langmuir, 2014, 30, 2216-2222.	3.5	15
157	Olefin Autoxidation in Flow. Industrial & amp; Engineering Chemistry Research, 2014, 53, 601-608.	3.7	25
158	Continuous Nanofiltration and Recycle of a Metathesis Catalyst in a Microflow System. ChemCatChem, 2014, 6, 3004-3011.	3.7	24
159	Rapid Wolff–Kishner reductions in a silicon carbide microreactor. Green Chemistry, 2014, 16, 176-180.	9.0	34
160	Scalability of mass transfer in liquid–liquid flow. Chemical Engineering Science, 2014, 116, 1-8.	3.8	126
161	Application of Continuous Crystallization in an Integrated Continuous Pharmaceutical Pilot Plant. Crystal Growth and Design, 2014, 14, 2148-2157.	3.0	64
162	"Batch―Kinetics in Flow: Online IR Analysis and Continuous Control. Angewandte Chemie - International Edition, 2014, 53, 470-473.	13.8	133

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163	Membrane-Based, Liquid–Liquid Separator with Integrated Pressure Control. Industrial & Engineering Chemistry Research, 2013, 52, 10802-10808.	3.7	156
164	Process intensification and optimization for hydroxyapatite nanoparticles production. Chemical Engineering Science, 2013, 100, 352-359.	3.8	39
165	Endâ€ŧoâ€End Continuous Manufacturing of Pharmaceuticals: Integrated Synthesis, Purification, and Final Dosage Formation. Angewandte Chemie - International Edition, 2013, 52, 12359-12363.	13.8	505
166	Gas–Liquid Flow and Mass Transfer in an Advanced-Flow Reactor. Industrial & Engineering Chemistry Research, 2013, 52, 8996-9010.	3.7	79
167	Cell Squeezing as a Robust, Microfluidic Intracellular Delivery Platform. Journal of Visualized Experiments, 2013, , e50980.	0.3	29
168	A vector-free microfluidic platform for intracellular delivery. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2082-2087.	7.1	386
169	Automation in Microreactor Systems. , 2013, , 81-100.		8
170	The role of flow in green chemistry and engineering. Green Chemistry, 2013, 15, 1456.	9.0	455
171	A Clock Reaction Based on Molybdenum Blue. Journal of Physical Chemistry A, 2013, 117, 4343-4351.	2.5	15
172	A Microfluidic System for the Continuous Recycling of Unmodified Homogeneous Palladium Catalysts through Liquid/Liquid Phase Separation. ChemCatChem, 2013, 5, 1729-1733.	3.7	22
173	Mass Transport and Reactions in the Tube-in-Tube Reactor. Organic Process Research and Development, 2013, 17, 927-933.	2.7	99
174	Continuous-flow precipitation of hydroxyapatite in ultrasonic microsystems. Chemical Engineering Journal, 2013, 215-216, 979-987.	12.7	52
175	Multistep synthesis of amides from alcohols and amines in continuous flow microreactor systems using oxygen and urea hydrogen peroxide as oxidants. Green Chemistry, 2013, 15, 1538.	9.0	37
176	Flow-Through Comb Electroporation Device for Delivery of Macromolecules. Analytical Chemistry, 2013, 85, 1637-1641.	6.5	49
177	Large-area fabrication of high aspect ratio tantalum photonic crystals for high-temperature selective emitters. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, .	1.2	71
178	Toward high-energy-density, high-efficiency, and moderate-temperature chip-scale thermophotovoltaics. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5309-5314.	7.1	152
179	Microfluidic jet injection for delivering macromolecules into cells. Journal of Micromechanics and Microengineering, 2013, 23, 035026.	2.6	22
180	Electrode Placement and Fluid Flow Rates in Microfluidic Electrochemical Devices. Journal of the Electrochemical Society, 2012, 159, H853-H856.	2.9	8

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