

Klavs F Jensen

List of Publications by Year in descending order

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524
papers

49,795
citations

1118

115
h-index

2453

203
g-index

550
all docs

550
docs citations

550
times ranked

37869
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Chemical Reaction Extraction from Scientific Literature. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2035-2045.	2.5	26
2	Design and operation of an enhanced pervaporation device with static mixers. <i>AIChE Journal</i> , 2022, 68, e17455.	1.8	7
3	Generating molecules with optimized aqueous solubility using iterative graph translation. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 297-309.	1.9	5
4	Microfluidic Squeezing Enables MHC Class I Antigen Presentation by Diverse Immune Cells to Elicit CD8+ T Cell Responses with Antitumor Activity. <i>Journal of Immunology</i> , 2022, 208, 929-940.	0.4	11
5	Continuous stirred-tank reactor cascade platform for self-optimization of reactions involving solids. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1315-1327.	1.9	22
6	Generative models for molecular discovery: Recent advances and challenges. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2022, 12, .	6.2	78
7	Automation and Microfluidics for the Efficient, Fast, and Focused Reaction Development of Asymmetric Hydrogenation Catalysis. <i>ChemSusChem</i> , 2022, 15, .	3.6	4
8	Similarity based enzymatic retrosynthesis. <i>Chemical Science</i> , 2022, 13, 6039-6053.	3.7	10
9	Photochemical Synthesis of the Bioactive Fragment of Salbutamol and Derivatives in a Self-Optimizing Flow Chemistry Platform. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	8
10	Bayesian Optimization of Computer-Proposed Multistep Synthetic Routes on an Automated Robotic Flow Platform. <i>ACS Central Science</i> , 2022, 8, 825-836.	5.3	47
11	Evaluating and clustering retrosynthesis pathways with learned strategy. <i>Chemical Science</i> , 2021, 12, 1469-1478.	3.7	34
12	Direct Optimization across Computer-Generated Reaction Networks Balances Materials Use and Feasibility of Synthesis Plans for Molecule Libraries. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 493-504.	2.5	5
13	Design of dynamic trajectories for efficient and data-rich exploration of flow reaction design spaces. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2306-2314.	1.9	14
14	Regio-selectivity prediction with a machine-learned reaction representation and on-the-fly quantum mechanical descriptors. <i>Chemical Science</i> , 2021, 12, 2198-2208.	3.7	75
15	Toward Machine Learning-Enhanced High-Throughput Experimentation. <i>Trends in Chemistry</i> , 2021, 3, 120-132.	4.4	66
16	Dispersion in coiled tubular reactors: A CFD and experimental analysis on the effect of pitch. <i>Chemical Engineering Science</i> , 2021, 233, 116393.	1.9	5
17	Ready, Set, Flow! Automated Continuous Synthesis and Optimization. <i>Trends in Chemistry</i> , 2021, 3, 373-386.	4.4	74
18	On-Demand Continuous Manufacturing of Ciprofloxacin in Portable Plug-and-Play Factories: Development of a Highly Efficient Synthesis for Ciprofloxacin. <i>Organic Process Research and Development</i> , 2021, 25, 1524-1533.	1.3	14

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19	A high-temperature continuous stirred-tank reactor cascade for the multistep synthesis of InP/ZnS quantum dots. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 459-464.	1.9	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. <i>Organic Process Research and Development</i> , 2021, 25, 2323-2330.	1.3	12
21	The Open Reaction Database. <i>Journal of the American Chemical Society</i> , 2021, 143, 18820-18826.	6.6	112
22	Autonomous Discovery in the Chemical Sciences Part I: Progress. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22858-22893.	7.2	180
23	Autonomous Discovery in the Chemical Sciences Part II: Outlook. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23414-23436.	7.2	139
24	Autonome Entdeckung in den chemischen Wissenschaften, Teil I: Fortschritt. <i>Angewandte Chemie</i> , 2020, 132, 23054-23091.	1.6	11
25	Autonome Entdeckung in den chemischen Wissenschaften, Teil II: Ausblick. <i>Angewandte Chemie</i> , 2020, 132, 23620-23643.	1.6	4
26	Continuous Multistage Synthesis and Functionalization of Sub-100 nm Silica Nanoparticles in 3D-Printed Continuous Stirred-Tank Reactor Cascades. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6699-6706.	4.0	13
27	Identifying the roles of acid–base sites in formation pathways of tolualdehydes from acetaldehyde over MgO-based catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 536-548.	2.1	6
28	Determination of fast gas–liquid reaction kinetics in flow. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 51-57.	1.9	10
29	Accessing multidimensional mixing via 3D printing and showerhead micromixer design. <i>AIChE Journal</i> , 2020, 66, e16873.	1.8	22
30	An automated flow platform for accurate determination of gas–liquid–solid reaction kinetics. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1751-1758.	1.9	30
31	Characterization of reaction enthalpy and kinetics in a microscale flow platform. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 2115-2122.	1.9	22
32	A Multifunctional Microfluidic Platform for High-Throughput Experimentation of Electroorganic Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20890-20894.	7.2	41
33	A Multifunctional Microfluidic Platform for High-Throughput Experimentation of Electroorganic Chemistry. <i>Angewandte Chemie</i> , 2020, 132, 21076-21080.	1.6	4
34	Towards efficient discovery of green synthetic pathways with Monte Carlo tree search and reinforcement learning. <i>Chemical Science</i> , 2020, 11, 10959-10972.	3.7	31
35	Iterative experimental design based on active machine learning reduces the experimental burden associated with reaction screening. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1963-1972.	1.9	54
36	Nanocrystal synthesis, fluidic sample dilution and direct extraction of single emission linewidths in continuous flow. <i>Lab on A Chip</i> , 2020, 20, 1975-1980.	3.1	0

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37	Development of a Versatile Modular Flow Chemistry Benchtop System. <i>Organic Process Research and Development</i> , 2020, 24, 2105-2112.	1.3	5
38	Continuous flow Suzuki–Miyaura couplings in water under micellar conditions in a CSTR cascade catalyzed by Fe/ppm Pd nanoparticles. <i>Green Chemistry</i> , 2020, 22, 3441-3444.	4.6	24
39	Continuous Production of Five Active Pharmaceutical Ingredients in Flexible Plug-and-Play Modules: A Demonstration Campaign. <i>Organic Process Research and Development</i> , 2020, 24, 2183-2196.	1.3	50
40	Microfluidic electrochemistry for single-electron transfer redox-neutral reactions. <i>Science</i> , 2020, 368, 1352-1357.	6.0	194
41	Current and Future Roles of Artificial Intelligence in Medicinal Chemistry Synthesis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8667-8682.	2.9	118
42	Data Augmentation and Pretraining for Template-Based Retrosynthetic Prediction in Computer-Aided Synthesis Planning. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3398-3407.	2.5	44
43	Combining retrosynthesis and mixed-integer optimization for minimizing the chemical inventory needed to realize a WHO essential medicines list. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 367-376.	1.9	5
44	Multitask prediction of site selectivity in aromatic C–H functionalization reactions. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 896-902.	1.9	35
45	Radial flow system decouples reactions in automated synthesis of organic molecules. <i>Nature</i> , 2020, 579, 346-348.	13.7	4
46	Machine learned prediction of reaction template applicability for data-driven retrosynthetic predictions of energetic materials. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	3
47	A robotic platform for flow synthesis of organic compounds informed by AI planning. <i>Science</i> , 2019, 365, .	6.0	548
48	High-Speed Vapor Transport Deposition of Perovskite Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32928-32936.	4.0	24
49	Use of a Droplet Platform To Optimize Pd-Catalyzed C–N Coupling Reactions Promoted by Organic Bases. <i>Organic Process Research and Development</i> , 2019, 23, 1594-1601.	1.3	50
50	Analyzing Learned Molecular Representations for Property Prediction. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3370-3388.	2.5	773
51	A Continuous Stirred-Tank Reactor (CSTR) Cascade for Handling Solid-Containing Photochemical Reactions. <i>Organic Process Research and Development</i> , 2019, 23, 2699-2706.	1.3	64
52	BigSMILES: A Structurally-Based Line Notation for Describing Macromolecules. <i>ACS Central Science</i> , 2019, 5, 1523-1531.	5.3	134
53	Analysis and simulation of multiphase hydrodynamics in capillary microseparators. <i>Lab on A Chip</i> , 2019, 19, 706-715.	3.1	8
54	A graph-convolutional neural network model for the prediction of chemical reactivity. <i>Chemical Science</i> , 2019, 10, 370-377.	3.7	430

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55	Revealing the Formation Mechanism of Alloyed Pd–Ru Nanoparticles: A Conversion Measurement Approach Utilizing a Microflow Reactor. <i>Langmuir</i> , 2019, 35, 2236-2243.	1.6	9
56	RDChiral: An RDKit Wrapper for Handling Stereochemistry in Retrosynthetic Template Extraction and Application. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2529-2537.	2.5	96
57	Continuous manufacturing – the Green Chemistry promise?. <i>Green Chemistry</i> , 2019, 21, 3481-3498.	4.6	222
58	Flow Toolkit for Measuring Gas Diffusivity in Liquids. <i>Analytical Chemistry</i> , 2019, 91, 4004-4009.	3.2	14
59	Adding Crystals To Minimize Clogging in Continuous Flow Synthesis. <i>Crystal Growth and Design</i> , 2019, 19, 98-105.	1.4	11
60	Optimum catalyst selection over continuous and discrete process variables with a single droplet microfluidic reaction platform. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 301-311.	1.9	69
61	Ligand-Mediated Nanocrystal Growth. <i>Langmuir</i> , 2018, 34, 3307-3315.	1.6	19
62	Continuous, on-demand generation and separation of diphenylphosphoryl azide. <i>Tetrahedron</i> , 2018, 74, 3137-3142.	1.0	8
63	Advanced Continuous Flow Platform for On-Demand Pharmaceutical Manufacturing. <i>Chemistry - A European Journal</i> , 2018, 24, 2776-2784.	1.7	81
64	Catalytic hydrogenation of <i>N</i> -4-nitrophenyl nicotinamide in a micro-packed bed reactor. <i>Green Chemistry</i> , 2018, 20, 886-893.	4.6	52
65	SCScore: Synthetic Complexity Learned from a Reaction Corpus. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 252-261.	2.5	176
66	Efficient kinetic experiments in continuous flow microreactors. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 94-101.	1.9	63
67	Machine Learning in Computer-Aided Synthesis Planning. <i>Accounts of Chemical Research</i> , 2018, 51, 1281-1289.	7.6	430
68	Photoredox Iridium–Nickel Dual-Catalyzed Decarboxylative Arylation Cross-Coupling: From Batch to Continuous Flow via Self-Optimizing Segmented Flow Reactor. <i>Organic Process Research and Development</i> , 2018, 22, 542-550.	1.3	101
69	Optimization of Grignard Addition to Esters: Kinetic and Mechanistic Study of Model Phthalide Using Flow Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4859-4866.	1.8	12
70	High-performance miniature CSTR for biphasic C–C bond-forming reactions. <i>Chemical Engineering Journal</i> , 2018, 335, 936-944.	6.6	19
71	Automated measurements of gas–liquid mass transfer in micropacked bed reactors. <i>AIChE Journal</i> , 2018, 64, 564-570.	1.8	56
72	Continuous purification of active pharmaceutical ingredients utilizing polymer membrane surface wettability. <i>Chemical Communications</i> , 2018, 54, 70-73.	2.2	28

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73	Reduction of Dispersion in Ultrasonically-Enhanced Micropacked Beds. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 122-128.	1.8	10
74	Liquid-liquid extraction in flow of the radioisotope titanium-45 for positron emission tomography applications. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 898-904.	1.9	22
75	Using Machine Learning To Predict Suitable Conditions for Organic Reactions. <i>ACS Central Science</i> , 2018, 4, 1465-1476.	5.3	245
76	Mechanistic Insights and Controlled Synthesis of Radioluminescent ZnSe Quantum Dots Using a Microfluidic Reactor. <i>Chemistry of Materials</i> , 2018, 30, 8562-8570.	3.2	32
77	Reconfigurable system for automated optimization of diverse chemical reactions. <i>Science</i> , 2018, 361, 1220-1225.	6.0	339
78	Continuous N -Hydroxyphthalimide (NHPI)-Mediated Electrochemical Aerobic Oxidation of Benzylic $C-H$ Bonds. <i>Chemistry - A European Journal</i> , 2018, 24, 10260-10265.	1.7	48
79	Multistage Microfluidic Platform for the Continuous Synthesis of III-V Core/Shell Quantum Dots. <i>Angewandte Chemie</i> , 2018, 130, 11081-11084.	1.6	18
80	Multistage Microfluidic Platform for the Continuous Synthesis of III-V Core/Shell Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10915-10918.	7.2	68
81	Scalable thin-layer membrane reactor for heterogeneous and homogeneous catalytic gas-liquid reactions. <i>Green Chemistry</i> , 2018, 20, 3867-3874.	4.6	24
82	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. <i>Chemical Reviews</i> , 2018, 118, 7409-7531.	23.0	490
83	Thermoformed fluoropolymer tubing for in-line mixing. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 707-713.	1.9	25
84	Flow chemistry—Microreaction technology comes of age. <i>AIChE Journal</i> , 2017, 63, 858-869.	1.8	351
85	Facile Soft-Templated Synthesis of High-Surface Area and Highly Porous Carbon Nitrides. <i>Chemistry of Materials</i> , 2017, 29, 1496-1506.	3.2	92
86	High-throughput nuclear delivery and rapid expression of DNA via mechanical and electrical cell-membrane disruption. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	158
87	A fully automated flow-based approach for accelerated peptide synthesis. <i>Nature Chemical Biology</i> , 2017, 13, 464-466.	3.9	235
88	Next-generation in vivo optical imaging with short-wave infrared quantum dots. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	490
89	Microfluidic Assisted Synthesis of Hybrid Au-Pd Dumbbell-like Nanostructures: Sequential Addition of Reagents and Ultrasonic Radiation. <i>Crystal Growth and Design</i> , 2017, 17, 2700-2710.	1.4	24
90	Prediction of Organic Reaction Outcomes Using Machine Learning. <i>ACS Central Science</i> , 2017, 3, 434-443.	5.3	477

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91	A Rapid Total Synthesis of Ciprofloxacin Hydrochloride in Continuous Flow. <i>Angewandte Chemie</i> , 2017, 129, 8996-8999.	1.6	19
92	Multistage extraction platform for highly efficient and fully continuous purification of nanoparticles. <i>Nanoscale</i> , 2017, 9, 7703-7707.	2.8	37
93	A segmented flow platform for on-demand medicinal chemistry and compound synthesis in oscillating droplets. <i>Chemical Communications</i> , 2017, 53, 6649-6652.	2.2	73
94	Hydrodynamics of gas-liquid flow in micropacked beds: Pressure drop, liquid holdup, and two-phase model. <i>AIChE Journal</i> , 2017, 63, 4694-4704.	1.8	67
95	A Rapid Total Synthesis of Ciprofloxacin Hydrochloride in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8870-8873.	7.2	98
96	Design and Scaling Up of Microchemical Systems: A Review. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2017, 8, 285-305.	3.3	208
97	Design of Multistage Counter-Current Liquid-Liquid Extraction for Small-Scale Applications. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4095-4103.	1.8	59
98	Simulations and analysis of multiphase transport and reaction in segmented flow microreactors. <i>Chemical Engineering Science</i> , 2017, 169, 106-116.	1.9	86
99	In-Situ Microfluidic Study of Biphasic Nanocrystal Ligand-Exchange Reactions Using an Oscillatory Flow Reactor. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16333-16337.	7.2	34
100	In-Situ Microfluidic Study of Biphasic Nanocrystal Ligand-Exchange Reactions Using an Oscillatory Flow Reactor. <i>Angewandte Chemie</i> , 2017, 129, 16551-16555.	1.6	5
101	Characterization and Modeling of the Operating Curves of Membrane Microseparators. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12184-12191.	1.8	14
102	Convolutional Embedding of Attributed Molecular Graphs for Physical Property Prediction. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 1757-1772.	2.5	317
103	Automated in Situ Measurement of Gas Solubility in Liquids with a Simple Tube-in-Tube Reactor. <i>Analytical Chemistry</i> , 2017, 89, 8524-8530.	3.2	33
104	Ozonolysis of quinoline and quinoline derivatives in a Corning low flow reactor. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 696-702.	1.9	12
105	Computer-Assisted Retrosynthesis Based on Molecular Similarity. <i>ACS Central Science</i> , 2017, 3, 1237-1245.	5.3	200
106	Material-Efficient Microfluidic Platform for Exploratory Studies of Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9847-9850.	7.2	46
107	Material-Efficient Microfluidic Platform for Exploratory Studies of Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 9979-9982.	1.6	11
108	Modeling of the formation kinetics and size distribution evolution of II-VI quantum dots. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 567-576.	1.9	14

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109	Oscillatory multiphase flow strategy for chemistry and biology. <i>Lab on A Chip</i> , 2016, 16, 2775-2784.	3.1	61
110	Portable, Constriction-Expansion Blood Plasma Separation and Polymerization-Based Malaria Detection. <i>Analytical Chemistry</i> , 2016, 88, 7627-7632.	3.2	15
111	On-demand continuous-flow production of pharmaceuticals in a compact, reconfigurable system. <i>Science</i> , 2016, 352, 61-67.	6.0	751
112	One "Click" to controlled bifunctional supported catalysts for the Cu/TEMPO-catalyzed aerobic oxidation of alcohols. <i>RSC Advances</i> , 2016, 6, 36602-36605.	1.7	39
113	A miniature CSTR cascade for continuous flow of reactions containing solids. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 501-507.	1.9	64
114	A Size-Selective Intracellular Delivery Platform. <i>Small</i> , 2016, 12, 5873-5881.	5.2	24
115	Characterization of Indium Phosphide Quantum Dot Growth Intermediates Using MALDI-TOF Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2016, 138, 13469-13472.	6.6	101
116	In vitro and ex vivo strategies for intracellular delivery. <i>Nature</i> , 2016, 538, 183-192.	13.7	662
117	Nanoengineering a library of metallic nanostructures using a single microfluidic reactor. <i>Nanoscale</i> , 2016, 8, 15288-15295.	2.8	49
118	Biphasic Catalytic Hydrogen Peroxide Oxidation of Alcohols in Flow: Scale-up and Extraction. <i>Organic Process Research and Development</i> , 2016, 20, 1677-1685.	1.3	39
119	Feedback in Flow for Accelerated Reaction Development. <i>Accounts of Chemical Research</i> , 2016, 49, 1786-1796.	7.6	214
120	Molecular Engineering of Trifunctional Supported Catalysts for the Aerobic Oxidation of Alcohols. <i>Angewandte Chemie</i> , 2016, 128, 11210-11214.	1.6	14
121	Molecular Engineering of Trifunctional Supported Catalysts for the Aerobic Oxidation of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11044-11048.	7.2	55
122	Suzuki-Miyaura cross-coupling optimization enabled by automated feedback. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 658-666.	1.9	125
123	Compact and Integrated Approach for Advanced End-to-End Production, Purification, and Aqueous Formulation of Lidocaine Hydrochloride. <i>Organic Process Research and Development</i> , 2016, 20, 1347-1353.	1.3	34
124	Continuous synthesis of palladium nanorods in oxidative segmented flow. <i>AIChE Journal</i> , 2016, 62, 373-380.	1.8	34
125	Direct Observation of Early-Stage Quantum Dot Growth Mechanisms with High-Temperature Ab Initio Molecular Dynamics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2472-2483.	1.5	20
126	Live-cell protein labelling with nanometre precision by cell squeezing. <i>Nature Communications</i> , 2016, 7, 10372.	5.8	94

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127	Shape-controlled continuous synthesis of metal nanostructures. <i>Nanoscale</i> , 2016, 8, 7534-7543.	2.8	74
128	Kinetics analysis and automated online screening of aminocarbonylation of aryl halides in flow. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 272-279.	1.9	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. <i>Journal of Flow Chemistry</i> , 2015, 5, 160-165.	1.2	23
131	The Unexpected Influence of Precursor Conversion Rate in the Synthesis of IIIâ€“V Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14299-14303.	7.2	71
132	Ex Vivo Cytosolic Delivery of Functional Macromolecules to Immune Cells. <i>PLoS ONE</i> , 2015, 10, e0118803.	1.1	47
133	Microfluidic squeezing for intracellular antigen loading in polyclonal B-cells as cellular vaccines. <i>Scientific Reports</i> , 2015, 5, 10276.	1.6	88
134	Continuous Thermal Oxidation of Alkenes with Nitrous Oxide in a Packed Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4166-4173.	1.8	18
135	Characterization and modeling of multiphase flow in structured microreactors: a post microreactor case study. <i>Lab on A Chip</i> , 2015, 15, 3232-3241.	3.1	27
136	Effect of Trace Water on the Growth of Indium Phosphide Quantum Dots. <i>Chemistry of Materials</i> , 2015, 27, 5058-5063.	3.2	57
137	Simultaneous solvent screening and reaction optimization in microliter slugs. <i>Chemical Communications</i> , 2015, 51, 13290-13293.	2.2	79
138	OpenFOAM Computational Fluid Dynamic Simulations of Two-Phase Flow and Mass Transfer in an Advanced-Flow Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 6649-6659.	1.8	56
139	Oscillatory three-phase flow reactor for studies of bi-phasic catalytic reactions. <i>Chemical Communications</i> , 2015, 51, 8916-8919.	2.2	41
140	Continuous Nanofiltration and Recycle of an Asymmetric Ketone Hydrogenation Catalyst. <i>ACS Catalysis</i> , 2015, 5, 2615-2622.	5.5	38
141	Multiphase Oscillatory Flow Strategy for In Situ Measurement and Screening of Partition Coefficients. <i>Analytical Chemistry</i> , 2015, 87, 11130-11136.	3.2	26
142	Oscillatory Microprocessor for Growth and in Situ Characterization of Semiconductor Nanocrystals. <i>Chemistry of Materials</i> , 2015, 27, 6131-6138.	3.2	74
143	OpenFOAM Computational Fluid Dynamic Simulations of Single-Phase Flows in an Advanced-Flow Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7543-7553.	1.8	25
144	Achieving Continuous Manufacturing: Technologies and Approaches for Synthesis, Workup, and Isolation of Drug Substance May 20â€“21, 2014 Continuous Manufacturing Symposium. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 781-791.	1.6	129

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145	Abstract 5538A: Cell size-specific intracellular delivery. , 2015, , .		0
146	Nested potassium hydroxide etching and protective coatings for silicon-based microreactors. Journal of Micromechanics and Microengineering, 2014, 24, 035011.	1.5	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.	1.3	22
148	Investigation of Petasis and Ugi reactions in series in an automated microreactor system. RSC Advances, 2014, 4, 63627-63631.	1.7	12
149	Microfluidic Production of Perfluorocarbon-Alginate Core-Shell Microparticles for Ultrasound Therapeutic Applications. Langmuir, 2014, 30, 12391-12399.	1.6	37
150	Engineering the synthesis of silica-gold nano-urchin particles using continuous synthesis. Nanoscale, 2014, 6, 13228-13235.	2.8	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.	1.3	143
152	Rapid Flow-Based Peptide Synthesis. ChemBioChem, 2014, 15, 713-720.	1.3	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.	1.3	47
154	Tools for chemical synthesis in microsystems. Lab on A Chip, 2014, 14, 3206-3212.	3.1	186
155	Plasma membrane recovery kinetics of a microfluidic intracellular delivery platform. Integrative Biology (United Kingdom), 2014, 6, 470-475.	0.6	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.	1.6	15
157	Olefin Autoxidation in Flow. Industrial & Engineering Chemistry Research, 2014, 53, 601-608.	1.8	25
158	Continuous Nanofiltration and Recycle of a Metathesis Catalyst in a Microflow System. ChemCatChem, 2014, 6, 3004-3011.	1.8	24
159	Rapid Wolff-Kishner reductions in a silicon carbide microreactor. Green Chemistry, 2014, 16, 176-180.	4.6	34
160	Scalability of mass transfer in liquid-liquid flow. Chemical Engineering Science, 2014, 116, 1-8.	1.9	126
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