

Shinichiro Fuse

List of Publications by Year in descending order

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98
papers

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201674

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119
docs citations

119
times ranked

2170
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Amide Bond Formation through a Rapid and Strong Activation of Carboxylic Acids in a Microflow Reactor. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 851-855.	13.8	132
2	A Formal Total Synthesis of Taxol Aided by an Automated Synthesizer. <i>Chemistry - an Asian Journal</i> , 2006, 1, 370-383.	3.3	118
3	Complete Characterization of the Seventeen Step Moenomycin Biosynthetic Pathway. <i>Biochemistry</i> , 2009, 48, 8830-8841.	2.5	85
4	Continuous-flow synthesis of vitamin D3. <i>Chemical Communications</i> , 2010, 46, 8722.	4.1	85
5	Structural Analysis of the Contacts Anchoring Moenomycin to Peptidoglycan Glycosyltransferases and Implications for Antibiotic Design. <i>ACS Chemical Biology</i> , 2008, 3, 429-436.	3.4	82
6	Recent progresses in the synthesis of functionalized isoxazoles. <i>Tetrahedron Letters</i> , 2018, 59, 1159-1171.	1.4	80
7	Total synthesis of feglymycin based on a linear/convergent hybrid approach using micro-flow amide bond formation. <i>Nature Communications</i> , 2016, 7, 13491.	12.8	79
8	Continuous in situ generation and reaction of phosgene in a microflow system. <i>Chemical Communications</i> , 2011, 47, 12661.	4.1	71
9	Ribosomal Synthesis of Backbone- ϵ -Macrocyclic Peptides Containing β -Amino Acids. <i>ChemBioChem</i> , 2011, 12, 1183-1187.	2.6	61
10	Rapid and Mild Synthesis of Amino Acid α -Carboxy Anhydrides: Basic-to-Acidic Flash Switching in a Microflow Reactor. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11389-11393.	13.8	54
11	Elucidating the Structure-Property Relationships of Donor- π -Acceptor Dyes for Dye-Sensitized Solar Cells (DSSCs) through Rapid Library Synthesis by a One-Pot Procedure. <i>Chemistry - A European Journal</i> , 2014, 20, 10685-10694.	3.3	48
12	Generation of an α -isoxazolyl Anion Species: Facile Access to Multifunctionalized Isoxazoles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13580-13584.	13.8	47
13	Functional and Structural Analysis of a Key Region of the Cell Wall Inhibitor Moenomycin. <i>ACS Chemical Biology</i> , 2010, 5, 701-711.	3.4	46
14	Continuous-flow synthesis of activated vitamin D3 and its analogues. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5205.	2.8	42
15	Development of dual targeting inhibitors against aggregations of amyloid- β and tau protein. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 228-234.	5.5	42
16	JBIR-56 and JBIR-57, 2-(1 <i>H</i>)-Pyrazinones from a Marine Sponge-Derived <i>Streptomyces</i> sp. SpD081030SC-03. <i>Journal of Natural Products</i> , 2011, 74, 1630-1635.	3.0	37
17	Total synthesis of spiruchostatin B aided by an automated synthesizer. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3825.	2.8	37
18	Development and Application of a Solution-Phase Automated Synthesizer, 'ChemKonzert'. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 87-93.	1.3	36

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19	Peptide Synthesis Utilizing Microflow Technology. Chemistry - an Asian Journal, 2018, 13, 3818-3832.	3.3	35
20	Ti(III)-catalyzed radical cyclization of 6,7-epoxygeranyl acetate. Tetrahedron Letters, 2004, 45, 1961-1963.	1.4	31
21	Gold(I)-Catalyzed Intramolecular S _E Ar Reaction: Efficient Synthesis of Isoxazole-Containing Fused Heterocycles. Organic Letters, 2018, 20, 433-436.	4.6	31
22	Peptide Chain Elongation Using Unprotected Amino Acids in a MicroFlow Reactor. Chemistry - A European Journal, 2019, 25, 15091-15097.	3.3	31
23	N-Methylated Peptide Synthesis via Generation of an Acyl N-Methylimidazolium Cation Accelerated by a Brønsted Acid. Angewandte Chemie - International Edition, 2020, 59, 12925-12930.	13.8	31
24	Rapid Synthesis of Thiophene-Based, Organic Dyes for Dye-Sensitized Solar Cells (DSSCs) by a One-Pot, Four-Component Coupling Approach. Chemistry - A European Journal, 2015, 21, 9742-9747.	3.3	29
25	Total Synthesis and Stereochemistry Revision of Mannopeptimycin Aglycone. Journal of the American Chemical Society, 2014, 136, 12011-12017.	13.7	28
26	Directing/Protecting-Group-Free Synthesis of Tetraaryl-Substituted Pyrazoles through Four Direct Arylations on an Unsubstituted Pyrazole Scaffold. Chemistry - A European Journal, 2015, 21, 14370-14375.	3.3	28
27	Rapid Assembly of Resorcylic Acid Lactone Frameworks through Sequential Palladium-Catalyzed Coupling Reactions. Chemistry - an Asian Journal, 2010, 5, 2459-2462.	3.3	26
28	Development of 1-aryl-3-furanyl/thienyl-imidazopyridine templates for inhibitors against hypoxia inducible factor (HIF)-1 transcriptional activity. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5887-5890.	2.2	26
29	A rapid and clean synthetic approach to cyclic peptides via micro-flow peptide chain elongation and photochemical cyclization: synthesis of a cyclic RGD peptide. Organic and Biomolecular Chemistry, 2016, 14, 11244-11249.	2.8	25
30	Elucidation of the Structure-Property Relationship of p-Type Organic Semiconductors through Rapid Library Construction via a One-Pot, Suzuki-Miyaura Coupling Reaction. ACS Combinatorial Science, 2014, 16, 494-499.	3.8	23
31	Sequential S _N Ar Reaction/Suzuki-Miyaura Coupling/C-H Direct Arylations Approach for the Rapid Synthesis of Tetraaryl-Substituted Pyrazoles. Chemistry - an Asian Journal, 2015, 10, 1626-1630.	3.3	23
32	Step-by-Step Multifunctionalization of Isoxazoles Based On S _E Ar Reactions and C-H Direct Arylations. Synthesis, 2017, 49, 2351-2360.	2.3	23
33	An Efficient Synthesis of a Cyclic Ether Key Intermediate for 9-Membered Masked Eneidyne Using an Automated Synthesizer. Organic Process Research and Development, 2009, 13, 1111-1121.	2.7	21
34	Anti-Influenza Virus Compound from <i>Streptomyces</i> sp. RI18. Organic Letters, 2010, 12, 4664-4666.	4.6	19
35	Thiophene-Based Organic Dyes as Potent Sensitizers for Photodynamic Therapy. European Journal of Organic Chemistry, 2017, 2017, 5170-5177.	2.4	18
36	Integrated MicroFlow Synthesis Based on Photochemical Wolff Rearrangement. European Journal of Organic Chemistry, 2017, 2017, 6466-6473.	2.4	18

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37	Rapid and Mild One-Flow Synthetic Approach to Unsymmetrical Sulfamides Guided by Bayesian Optimization. <i>Chemistry Methods</i> , 2021, 1, 484-490.	3.8	18
38	Design, synthesis and evaluation of carbamate-modified (α)-N1-phenethylnorphysostigmine derivatives as selective butyrylcholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1721-1723.	2.2	17
39	Three-component coupling approach toward the synthesis of a resorcylic acid lactone framework. <i>Tetrahedron</i> , 2011, 67, 6654-6658.	1.9	17
40	Sequential Coupling Approach to the Synthesis of Nickel(II) Complexes with N-aryl-2-amino Phenolates. <i>ACS Combinatorial Science</i> , 2012, 14, 545-550.	3.8	17
41	Synthesis of EDOT-containing organic dyes via one-pot, four-component Suzuki-Miyaura coupling and the evaluation of their photovoltaic properties. <i>Tetrahedron</i> , 2014, 70, 8690-8695.	1.9	17
42	Rapid Synthesis of D π A π A π A π A π Dyes through a One-Pot Three-Component Suzuki-Miyaura Coupling and an Evaluation of their Photovoltaic Properties for Use in Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 2507-2514.	3.3	17
43	Donor-acceptor polymers containing thiazole-fused benzothiadiazole acceptor units for organic solar cells. <i>RSC Advances</i> , 2019, 9, 7107-7114.	3.6	17
44	One-Pot, Three-Component Coupling Approach to the Synthesis of β -Iminocarboxamides. <i>Organic Letters</i> , 2012, 14, 4090-4093.	4.6	16
45	An iterative approach to the synthesis of thiophene-based organic dyes. <i>Tetrahedron Letters</i> , 2012, 53, 3288-3291.	1.4	16
46	Design, synthesis, evaluation and QSAR analysis of N1-substituted norcymserine derivatives as selective butyrylcholinesterase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 1718-1720.	2.2	15
47	Asymmetric Total Synthesis of <i>ent</i> -Pyrripropene...A. <i>Chemistry - A European Journal</i> , 2015, 21, 9454-9460.	3.3	15
48	Facile, One-Step Synthesis of 5-Substituted Thieno[3,4-c]pyrrole-4,6-dione by Palladium-Catalyzed, Carbonylative Amidation. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3430-3434.	2.4	15
49	Synthesis and Evaluation of Thiophene-Based Organic Dyes Containing a Rigid and Nonplanar Donor with Secondary Electron Donors for Use in Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 508-517.	2.4	15
50	Rapid and Mild Synthesis of Amino Acid <i>N</i> -Carboxy Anhydrides: Basic-to-Acidic Flash Switching in a Microflow Reactor. <i>Angewandte Chemie</i> , 2018, 130, 11559-11563.	2.0	14
51	Design, synthesis, and evaluation of indeno[2,1-c]pyrazolones for use as inhibitors against hypoxia-inducible factor (HIF)-1 transcriptional activity. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115207.	3.0	14
52	Single-Step, Rapid, and Mild Synthesis of β -Amino Acid <i>N</i> -Carboxy Anhydrides Using Micro-Flow Technology. <i>Chemistry - an Asian Journal</i> , 2020, 15, 79-84.	3.3	14
53	Rapid and Structurally Diverse Synthesis of Multi-Substituted β -Keto Amide Derivatives Based on a Dioxinone Scaffold. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4854-4860.	2.4	13
54	Synthesis of <i>N</i> -Allyloxycarbonyl 3,5-Dihydroxyphenylglycine via Photochemical Wolff Rearrangement-Nucleophilic Addition Sequence in a Micro-Flow Reactor. <i>Journal of Flow Chemistry</i> , 2014, 4, 173-179.	1.9	13

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55	Micro-flow synthesis of β -amino acid derivatives via a rapid dual activation approach. <i>Chemical Communications</i> , 2020, 56, 4527-4530.	4.1	13
56	Design and synthesis of 2-phenyl-1,4-dioxo-spiro[4.5]deca-6,9-dien-8-ones as potential anticancer agents starting from cytotoxic spiroammonium A. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 180-184.	5.5	12
57	Recent advances in the integrated micro-flow synthesis containing photochemical reactions. <i>Tetrahedron Letters</i> , 2018, 59, 1691-1697.	1.4	12
58	Dyes that Contain New Hydantoin Anchoring Groups for Dye-Sensitized Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 458-464.	2.7	12
59	The Design, Synthesis, and Evaluation of 1,5,7-Trisubstituted Pyridyl-Xanthenes for Use as Insecticides Starting from Pyripyropene...A. <i>Chemistry - A European Journal</i> , 2016, 22, 18450-18455.	3.3	11
60	Solution-phase automated synthesis of an α -amino aldehyde as a versatile intermediate. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 106-110.	2.2	11
61	Design, synthesis, and evaluation of azo dyes as photothermal agents. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 93-101.	2.8	11
62	Recent Advances in Continuous-Flow Reactions Using Metal-Free Homogeneous Catalysts. <i>Catalysts</i> , 2020, 10, 1321.	3.5	11
63	Rapid and Mild Lactamization Using Highly Electrophilic Triphosgene in a Microflow Reactor. <i>Chemistry - A European Journal</i> , 2021, 27, 7525-7532.	3.3	11
64	Combinatorial Synthesis and Evaluation of α -Iminocarboxamide-Nickel(II) Catalysts for the Copolymerization of Ethylene and a Polar Monomer. <i>ACS Combinatorial Science</i> , 2012, 14, 17-24.	3.8	10
65	Microflow Technology: Another Solution for the Site-Selective Modification of Multifunctionalized Molecules. <i>Synlett</i> , 2014, 25, 2087-2092.	1.8	10
66	A Facile Preparation of α -Aryl Carboxylic Acid via One-Flow Arndt-Eistert Synthesis. <i>Australian Journal of Chemistry</i> , 2015, 68, 1657.	0.9	10
67	Recent Advances in the Solid- and Solution-Phase Synthesis of Peptides and Proteins Using Microflow Technology. <i>Organic Process Research and Development</i> , 2022, 26, 1751-1765.	2.7	10
68	N-Methylated Peptide Synthesis via Generation of an Acyl N-Methylimidazolium Cation Accelerated by a Brønsted Acid. <i>Angewandte Chemie</i> , 2020, 132, 13025-13030.	2.0	9
69	Stereoselective one-pot three-component coupling approach towards the synthesis of the AC ring system of taxanes. <i>Tetrahedron Letters</i> , 2009, 50, 3408-3410.	1.4	8
70	Synthesis of bicyclic enediynes that possess a photosensitive triggering device and exhibit strong DNA cleaving activity. <i>Chemical Communications</i> , 2010, 46, 5942.	4.1	8
71	Generation of an Isoxazolyl Anion Species: Facile Access to Multifunctionalized Isoxazoles. <i>Angewandte Chemie</i> , 2016, 128, 13778-13782.	2.0	8
72	The Synthesis of <i>trans</i> -Flavanol Gallates by Regioselective Oxidative Etherification and Their Cytotoxicity Mediated by β -LR. <i>Chemistry - A European Journal</i> , 2016, 22, 13050-13053.	3.3	8

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73	The β -Glycosidation of Partially Unprotected <i>N</i> -Acetyl and <i>N</i> -Glycolyl Sialyl Donors in the Absence of a Nitrile Solvent Effect. <i>Chemistry - A European Journal</i> , 2016, 22, 6968-6973.	3.3	8
74	A micro-flow rapid dual activation approach for urethane-protected β -amino acid <i>N</i> -carboxyanhydride synthesis. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3303-3310.	2.8	8
75	Micro-flow synthesis and structural analysis of sterically crowded diimine ligands with five aryl rings. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2336-2343.	2.2	7
76	Regioselective, One-Pot, Three-Component Synthesis of 1,3,4- and 1,3,5-Triarylpyrazoles from α - and β -Arylalkenyl Sulfones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4756-4764.	2.4	7
77	Palladium-catalyzed double carbonylation-based diversity-oriented synthesis of 3,4-dihydroisoquinoline-1-carboxamides. <i>Tetrahedron</i> , 2015, 71, 6354-6360.	1.9	7
78	α -Azido- β -deoxyribose as a Heterobifunctional Spacer for the Synthesis of Azido-Containing Chemical Probes. <i>Chemistry - A European Journal</i> , 2016, 22, 12884-12890.	3.3	7
79	Synthesis of Asymmetrical Terminally Bifunctionalized Alkanes by Sequential Suzuki-Miyaura Coupling Using <i>ortho</i> -Hexylboracyclanes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3478-3481.	2.4	7
80	Photodynamic therapy using a cytotoxic photosensitizer porphyrin envelope that targets the cell membrane. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 20, 238-245.	2.6	7
81	Elucidating the mode of action for thiophene-based organic D- β -E sensitizers for use in photodynamic therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 315-321.	3.0	7
82	Size-Controllable and Scalable Production of Liposomes Using a V-Shaped Mixer Micro-Flow Reactor. <i>Organic Process Research and Development</i> , 2020, 24, 2122-2127.	2.7	7
83	Photochemical Conversion of Isoxazoles to 5-Hydroxyimidazolines. <i>Organic Letters</i> , 2020, 22, 3460-3463.	4.6	7
84	Construction of the ABC Ring System of Taxanes via Stereoselective One-Pot Three-Component Coupling and Intramolecular Alkylation of a Protected Cyanohydrin Ether. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 942-949.	3.2	6
85	Synthesis of 3-Hydroxy-4-Substituted Picolinonitriles from 4-Propargylaminoisoxazoles via Stepwise and One-Pot Isoxazolopyridine Formation/ N -O Bond Cleavage Sequence. <i>ACS Omega</i> , 2018, 3, 16472-16476.	3.5	6
86	Synthesis of Pyrazolofuroprazine via One-Pot S _N Ar Reaction and Intramolecular Direct C-H Arylation. <i>Synthesis</i> , 2018, 50, 1493-1498.	2.3	5
87	Compact test setup for sensitivity evaluation of photoacoustic contrast agent. <i>Acoustical Science and Technology</i> , 2018, 39, 259-262.	0.5	5
88	Sequential Nucleophilic Substitution of Phosphorus Trichloride with Alcohols in a Continuous-Flow Reactor and Consideration of a Mechanism for Reduced Overreaction through the Addition of Imidazole. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
89	Organic Synthesis Using Microflow Reactor. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 177-178.	0.1	4
90	The design, synthesis, and evaluation of organic dithienopyrrole-based D- β -E dyes for use as sensitizers in photodynamic therapy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3099-3104.	2.2	3

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91	Rapid Library Synthesis of Amphiphiles Based On a Dioxinone Scaffold and Identification of Nonlamellar Liquid Crystals. <i>Synlett</i> , 2014, 25, 2806-2813.	1.8	2
92	Systematic Synthesis of Thiophene-based, Organic Donor- π -Acceptor Dyes and Elucidation of Their Structure-Function Relationship. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2017, 75, 941-954.	0.1	2
93	Efficient Organic Synthesis based on Micro-flow Photo-reaction, Imidoylation, and Acylation. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2015, 73, 442-451.	0.1	1
94	Cluster Preface: Integrated Synthesis Using Continuous-Flow Technologies. <i>Synlett</i> , 2020, 31, 1878-1879.	1.8	0
95	Efficient Synthesis of Biologically Active Peptides Based on Micro-flow Amide Bond Formation. , 2021, , 139-160.		0
96	I Love Synthetic Organic Chemistry!. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 346-348.	0.1	0
97	Investigation into the influence of an acrylic acid acceptor in organic D- π -A sensitizers against phototoxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115558.	3.0	0
98	Cover Feature: Sequential Nucleophilic Substitution of Phosphorus Trichloride with Alcohols in a Continuous-Flow Reactor and Consideration of a Mechanism for Reduced Over- π -reaction through the Addition of Imidazole (<i>Chem. Eur. J.</i> 37/2022). <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	0