

# Norio Shibata

## List of Publications by Year in descending order

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393  
papers

20,477  
citations

11608

70  
h-index

18075

120  
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581  
all docs

581  
docs citations

581  
times ranked

8490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic Methods for Compounds Having CF <sub>3</sub> Units on Carbon by Trifluoromethylation, Trifluoromethylthiolation, Triflylation, and Related Reactions. <i>Chemical Reviews</i> , 2015, 115, 731-764.	23.0	923
2	Contribution of Organofluorine Compounds to Pharmaceuticals. <i>ACS Omega</i> , 2020, 5, 10633-10640.	1.6	901
3	Current Contributions of Organofluorine Compounds to the Agrochemical Industry. <i>IScience</i> , 2020, 23, 101467.	1.9	540
4	Modern Approaches for Asymmetric Construction of Carbon-Fluorine Quaternary Stereogenic Centers: Synthetic Challenges and Pharmaceutical Needs. <i>Chemical Reviews</i> , 2018, 118, 3887-3964.	23.0	476
5	Structure of isopenicillinN synthase complexed with substrate and the mechanism of penicillin formation. <i>Nature</i> , 1997, 387, 827-830.	13.7	456
6	Recent advances in enantioselective trifluoromethylation reactions. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2633-2644.	1.8	334
7	Cinchona Alkaloid Catalyzed Enantioselective Fluorination of Allyl Silanes, Silyl Enol Ethers, and Oxindoles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4157-4161.	7.2	333
8	Highly Enantioselective Catalytic Fluorination and Chlorination Reactions of Carbonyl Compounds Capable of Two-Point Binding. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4204-4207.	7.2	310
9	Trifluoromethanesulfonyl Hypervalent Iodonium Ylide for Copper-Catalyzed Trifluoromethylthiolation of Enamines, Indoles, and $\beta$ -Keto Esters. <i>Journal of the American Chemical Society</i> , 2013, 135, 8782-8785.	6.6	298
10	Enantioselective Fluorination Mediated by Cinchona Alkaloid Derivatives/Selectfluor Combinations: A Reaction Scope and Structural Information for N-Fluorocinchona Alkaloids. <i>Journal of the American Chemical Society</i> , 2001, 123, 7001-7009.	6.6	256
11	Lewis Acid-Catalyzed Enantioselective Hydroxylation Reactions of Oxindoles and $\beta$ -Keto Esters Using DBFOX Ligand. <i>Journal of the American Chemical Society</i> , 2006, 128, 16488-16489.	6.6	253
12	Shelf-stable electrophilic trifluoromethylating reagents: A brief historical perspective. <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, .	1.3	225
13	A Fundamentally New Approach to Enantioselective Fluorination Based on Cinchona Alkaloid Derivatives/Selectfluor Combination. <i>Journal of the American Chemical Society</i> , 2000, 122, 10728-10729.	6.6	221
14	Cinchona Alkaloid-Catalyzed Enantioselective Direct Aldol-type Reaction of Oxindoles with Ethyl Trifluoropyruvate. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8666-8669.	7.2	200
15	Enantioselective Synthesis of AC <sub>11</sub> R by using <i>N</i> -Heteroarenesulfonyl Cinchona Alkaloid Amides as Organocatalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 9276-9280.	1.7	195
16	Fluorobis(phenylsulfonyl)methane: A Fluoromethide Equivalent and Palladium-Catalyzed Enantioselective Allylic Monofluoromethylation. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4973-4977.	7.2	180
17	Catalytic Enantioselective Trifluoromethylation of Azomethine Imines with Trimethyl(trifluoromethyl)silane. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6324-6327.	7.2	168
18	Cinchona Alkaloid-Catalyzed Enantioselective Monofluoromethylation Reaction Based on Fluorobis(phenylsulfonyl)methane Chemistry Combined with a Mannich-type Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 6394-6395.	6.6	167

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19	Fluorinated Johnson Reagent for Transfer of Trifluoromethylation to Carbon Nucleophiles. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3465-3468.	1.2	167
20	New approaches to enantioselective fluorination: Cinchona alkaloids combinations and chiral ligands/metal complexes. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 469-483.	0.9	166
21	Iodoarene-catalyzed fluorination and aminofluorination by an Ar-I/HF $\cdot$ pyridine/mCPBA system. <i>Chemical Science</i> , 2014, 5, 2754-2760.	3.7	164
22	Desymmetrization-like Catalytic Enantioselective Fluorination of Malonates and Its Application to Pharmaceutically Attractive Molecules. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 164-168.	7.2	152
23	Cinchona Alkaloids/TMAF Combination-Catalyzed Nucleophilic Enantioselective Trifluoromethylation of Aryl Ketones. <i>Organic Letters</i> , 2007, 9, 3707-3710.	2.4	149
24	Enantioselective Synthesis of ( <i>R</i> )-Convolutamydine...A with New ( <i>N</i> -Heteroarylsulfonyl)prolinamides. <i>Chemistry - A European Journal</i> , 2008, 14, 8079-8081.	1.7	146
25	Catalytic Enantioselective Michael Addition of 1-fluoro-2-(phenylsulfonyl)ethane to $\alpha,\beta$ -Unsaturated Ketones Catalyzed by Cinchona Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8051-8054.	7.2	144
26	DNA-Mediated Enantioselective Carbon-Fluorine Bond Formation. <i>Synlett</i> , 2007, 2007, 1153-1157.	1.0	131
27	Catalytic Asymmetric Synthesis of Enantioenriched Heterocycles Bearing a C $\beta$ -CF <sub>3</sub> Stereogenic Center. <i>Chemistry - A European Journal</i> , 2015, 21, 8664-8684.	1.7	129
28	Enantioselective Synthesis of Trifluoromethyl-substituted 2-oxazolines: Asymmetric Hydroxylamine/Enone Cascade Reaction. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5762-5766.	7.2	124
29	Organocatalytic Asymmetric Synthesis of Trifluoromethyl-substituted Diarylpyrrolines: Enantioselective Conjugate Cyanation of $\alpha,\beta$ -trifluoromethyl-disubstituted Enones. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4959-4962.	7.2	122
30	First Enantioselective Synthesis of ( <i>R</i> )-Convolutamydine B and E with ( <i>N</i> -Heteroarenesulfonyl)prolinamides. <i>Chemistry - A European Journal</i> , 2009, 15, 6790-6793.	1.7	121
31	Catalytic Enantioselective Hydrophosphonylation of Ketimines Using Cinchona Alkaloids. <i>Journal of the American Chemical Society</i> , 2009, 131, 18240-18241.	6.6	121
32	First Enantio-Flexible Fluorination Reaction Using Metal-Bis(oxazoline) Complexes. <i>Synlett</i> , 2004, 2004, 1703-1706.	1.0	120
33	Copper-Catalyzed Enantioselective Three-Component Synthesis of Optically Active Propargylamines from Aldehydes, Amines, and Aliphatic Alkynes. <i>Chemistry - A European Journal</i> , 2010, 16, 2360-2362.	1.7	120
34	Cu-Mediated Chemoselective Trifluoromethylation of Benzyl Bromides Using Shelf-Stable Electrophilic Trifluoromethylating Reagents. <i>Organic Letters</i> , 2011, 13, 3596-3599.	2.4	120
35	Novel Enantiocomplementary <i>C</i> <sub>2</sub> -Symmetric Chiral Bis(imidazoline) Ligands: Highly Enantioselective Friedel-Crafts Alkylation of Indoles with Ethyl 3,3,3-trifluoropyruvate. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1443-1448.	2.1	116
36	Efficient Access to Extended Yagupolskii-Umemoto-Type Reagents: Triflic Acid Catalyzed Intramolecular Cyclization of <i>ortho</i> -Ethynylaryltrifluoromethylsulfanes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 572-576.	7.2	111

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37	Novel Use of CF <sub>3</sub> SO <sub>2</sub> Cl for the Metal-Free Electrophilic Trifluoromethylthiolation. <i>Organic Letters</i> , 2016, 18, 2467-2470.	2.4	111
38	Access to benzo-fused nine-membered heterocyclic alkenes with a trifluoromethyl carbinol moiety via a double decarboxylative formal ring-expansion process under palladium catalysis. <i>Chemical Science</i> , 2018, 9, 3276-3281.	3.7	111
39	Organocatalyzed Regio- and Enantioselective Allylic Trifluoromethylation of Morita-Baylis-Hillman Adducts Using Ruppert-Prakash Reagent. <i>Organic Letters</i> , 2011, 13, 3972-3975.	2.4	108
40	Asymmetric Allylic Monofluoromethylation and Methylation of Morita-Baylis-Hillman Carbonates with FBSM and BSM by Cooperative Cinchona Alkaloid/FeCl <sub>2</sub> Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9684-9688.	7.2	104
41	Organocatalytic Enantioselective Decarboxylative Addition of Malonic Acids Half Thioesters to Isatins. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2976-2980.	2.1	103
42	N-Fluoro-3-cyclohexyl-3-methyl-2,3-dihydrobenzo[1,2-d]isothiazole 1,1-Dioxide: An Efficient Agent for Electrophilic Asymmetric Fluorination of Enolates. <i>Journal of Organic Chemistry</i> , 1999, 64, 5708-5711.	1.7	102
43	A sterically demanding organo-superbase avoids decomposition of a naked trifluoromethyl carbanion directly generated from fluoroform. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1446.	1.5	101
44	Enantioselective Fluorination Mediated by N-Fluoroammonium Salts of Cinchona Alkaloids: First Enantioselective Synthesis of BMS-204352 (MaxiPost). <i>Journal of Organic Chemistry</i> , 2003, 68, 2494-2497.	1.7	100
45	Enantioselective Aza-Morita-Baylis-Hillman Reactions of Acrylonitrile Catalyzed by Palladium(II) Pincer Complexes having C <sub>2</sub> -Symmetric Chiral Bis(imidazoline) Ligands. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10337-10341.	7.2	99
46	Efficient Access to Trifluoromethyl Diarylpyrrolines and their N-Oxides through Enantioselective Conjugate Addition of Nitromethane to 1,2-Disubstituted Enones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5575-5579.	7.2	99
47	Direct Enantioselective Three-Component Kabachnik-Fields Reaction Catalyzed by Chiral Bis(imidazoline)-Zinc(II) Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3285-3289.	2.1	98
48	Inherent Oxygen Preference in Enolate Monofluoromethylation and a Synthetic Entry to Monofluoromethyl Ethers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1885-1889.	7.2	96
49	Synthesis of Fluorogypsetin and Fluorobrevianamide E by a Novel Fluorination-Cyclization of cyclo-L-Trp-L-AAs This work was supported by a Grant-in-Aid for Scientific Research from the Ministry of Education, Science, Sports and Culture, Japan. N.S. wishes to thank the Novartis Foundation (Japan) for the Promotion of Science for support. We thank Prof. Yoshio Takeuchi very much for generously sharing his facilities, for very kind encouragement and for giving us the opportunity to study in the	7.2	94
50	Enantioselective Synthesis of Epoxides Having a Tetrasubstituted Trifluoromethylated Carbon Center: Methylhydrazine-Induced Aerobic Epoxidation of 1,2-Disubstituted Enones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2221-2225.	7.2	94
51	Transition-metal-free oxidative trifluoromethylation of unsymmetrical biaryls with trifluoromethanesulfinate. <i>Chemical Communications</i> , 2013, 49, 5510.	2.2	94
52	(R)- and (S)-3-Fluorothalidomides: Isosteric Analogues of Thalidomide. <i>Organic Letters</i> , 1999, 1, 1571-1573.	2.4	91
53	Lewis acid-catalyzed tri- and difluoromethylation reactions of aldehydes. <i>Chemical Communications</i> , 2006, , 2575.	2.2	91
54	Cinchona Alkaloid-Catalyzed Asymmetric Trifluoromethylation of Alkynyl Ketones with Trimethylsilyl Trifluoromethane. <i>Organic Letters</i> , 2010, 12, 5104-5107.	2.4	91

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55	Kinetic Resolution of Allyl Fluorides by Enantioselective Allylic Trifluoromethylation Based on Silicon-Assisted C–F Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 517-520.	7.2	91
56	Organic base-catalyzed stereodivergent synthesis of (R)- and (S)-3-amino-4,4,4-trifluorobutanoic acids. <i>Chemical Communications</i> , 2012, 48, 4124.	2.2	89
57	Enantioselective Friedel–Crafts Reaction of $\beta$ -Trifluoromethylated Acrylates with Pyrroles and Its Application to the Synthesis of Trifluorinated Heliotridane. <i>Organic Letters</i> , 2010, 12, 1136-1138.	2.4	88
58	Enantioselective Reaction of Imines and Benzyl Nitriles Using Palladium Pincer Complexes with $C_2$ -Symmetric Chiral Bis(imidazoline)s. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3385-3390.	2.1	85
59	Enantioselective Synthesis of Imidazolines with Quaternary Stereocenters by Organocatalytic Reaction of $N$ -(Heteroarenesulfonyl)imines with Isocyanoacetates. <i>Organic Letters</i> , 2012, 14, 2960-2963.	2.4	83
60	Understanding the Thalidomide Chirality in Biological Processes by the Self-disproportionation of Enantiomers. <i>Scientific Reports</i> , 2018, 8, 17131.	1.6	82
61	Defluorosilylation of fluoroarenes and fluoroalkanes. <i>Nature Communications</i> , 2018, 9, 4393.	5.8	82
62	A Novel and Efficient Synthesis of 3-Fluorooxindoles from Indoles Mediated by Selectfluor. <i>Organic Letters</i> , 2000, 2, 639-642.	2.4	81
63	Regioselective Synthesis of Pyrazole Triflones Based on Triflyl Alkyne Cycloadditions. <i>Organic Letters</i> , 2012, 14, 5330-5333.	2.4	81
64	Copper-Catalyzed Regioselective Trifluoromethylthiolation of Pyrroles by Trifluoromethanesulfonyl Hypervalent Iodonium Ylide. <i>Organic Letters</i> , 2015, 17, 1094-1097.	2.4	81
65	Enantioselective electrophilic trifluoromethylation of $\beta$ -keto esters with Umemoto reagents induced by chiral nonracemic guanidines. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3599.	1.5	79
66	Trifluoromethylthiolation of Allylsilanes and Silyl Enol Ethers with Trifluoromethanesulfonyl Hypervalent Iodonium Ylide under Copper Catalysis. <i>Organic Letters</i> , 2015, 17, 1063-1065.	2.4	78
67	Structural basis of thalidomide enantiomer binding to cereblon. <i>Scientific Reports</i> , 2018, 8, 1294.	1.6	77
68	Enantioselective C–C Bond Formation to Sulfonylimines through Use of the $\beta$ -Pyridinesulfonyl Group as a Novel Stereocontroller. <i>Chemistry - A European Journal</i> , 2008, 14, 2145-2152.	1.7	72
69	Trifluoromethylation of Aromatic Isoxazoles: Regio- and Diastereoselective Route to $\beta$ -Trifluoromethylated Isoxazolines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7803-7806.	7.2	72
70	Enantioselective Aldol Reaction using Recyclable Montmorillonite-Entrapped $N$ -( $\beta$ -Thiophenesulfonyl)prolinamide. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1621-1624.	2.1	71
71	Organocatalytic Enantioselective Hydrophosphonylation of Sulfonylimines having a Heteroarenesulfonyl Group as a Novel Stereocontroller. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1209-1212.	2.1	70
72	C–F Bond Activation of Unactivated Aliphatic Fluorides: Synthesis of Fluoromethylated Diaryl Oxazolidinones by Desymmetrization of $\beta$ -Arylated $\beta$ -difluoropropanols. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12275-12279.	7.2	70

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73	Enantioselective fluorination mediated by cinchona alkaloids/selectfluor combinations: A catalytic approach. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 548-551.	0.9	68
74	Synthesis of Indole and Biindolyl Triflones: Trifluoromethanesulfonylation of Indoles with Tf <sub>2</sub> O/TTBP (2,4,6-tri- <i>tert</i> -butylpyridine) System. <i>Organic Letters</i> , 2011, 13, 4854-4857.	2.4	68
75	Organocatalytic Enantioselective Aza-Friedel-Crafts Alkylation of Pyrroles with <i>N</i> -(Heteroarenesulfonyl)imines. <i>Synlett</i> , 2009, 2009, 1639-1642.	1.0	66
76	Ammonium bromides/KF catalyzed trifluoromethylation of carbonyl compounds with (trifluoromethyl)trimethylsilane and its application in the enantioselective trifluoromethylation reaction. <i>Tetrahedron</i> , 2007, 63, 8521-8528.	1.0	65
77	A Dynamic Kinetic Asymmetric Transformation in the $\alpha$ -Hydroxylation of Racemic Malonates and Its Application to Biologically Active Molecules. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 803-806.	7.2	65
78	<i>S</i> -((Phenylsulfonyl)difluoromethyl)thiophenium Salts: Carbon-Selective Electrophilic Difluoromethylation of $\alpha$ -Ketoesters, $\alpha$ -Diketones, and Dicyanoalkylenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1827-1831.	7.2	63
79	Asymmetric Synthesis of Agrochemically Attractive Trifluoromethylated Dihydroazoles and Related Compounds under Organocatalysis. <i>Chemical Record</i> , 2014, 14, 1024-1040.	2.9	62
80	Synthesis of Both Enantiomers of Nine-Membered CF <sub>3</sub> -Substituted Heterocycles Using a Single Chiral Ligand: Palladium-Catalyzed Decarboxylative Ring Expansion with Kinetic Resolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8187-8194.	7.2	62
81	Novel Methods for the Facile Construction of 3,3-Disubstituted and 3,3-Spiro-2H,4H-benzo[e]1,2-thiazine-1,1-diones: A Synthesis of (1 <i>S</i> ,12 <i>R</i> ,14 <i>R</i> )-2-Fluoro-14-methyl-11-(methylethyl)spiro[4H-benzo[e]-1,2-thiazine-3,2'-cyclohexane]-1,1-dione, an Agent for the Electrophilic Asymmetric Fluorination of Aryl Ketone Enolates. <i>Journal of Organic Chemistry</i> , 2000, 65, 7583-7587.	1.7	58
82	2-Fluoro-1,3-benzodithiole-1,1,3,3-tetraoxide: A Reagent for Nucleophilic Monofluoromethylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1642-1647.	7.2	58
83	Difluoromethylation of Terminal Alkynes by Fluoroform. <i>Organic Letters</i> , 2015, 17, 3802-3805.	2.4	58
84	Recent advancements in the synthesis of pentafluorosulfanyl (SF <sub>5</sub> )-containing heteroaromatic compounds. <i>Tetrahedron Letters</i> , 2017, 58, 4803-4815.	0.7	58
85	Regioselective Synthesis of Heteroaryl Triflones by LDA (Lithium Diisopropylamide)-Mediated Anionic Thia-Fries Rearrangement. <i>Organic Letters</i> , 2012, 14, 2544-2547.	2.4	57
86	Anaerobic Crystallisation of an Isopenicillin N Synthase . Fe(II) . Substrate Complex Demonstrated by X-Ray Studies. <i>FEBS Journal</i> , 1996, 242, 736-740.	0.2	55
87	20-Deoxy-20-fluorocamptothecin: Design and Synthesis of Camptothecin Isostere. <i>Synlett</i> , 2004, 2004, 2509-2512.	1.0	55
88	Difluoromethanesulfonyl hypervalent iodonium ylides for electrophilic difluoromethylthiolation reactions under copper catalysis. <i>Royal Society Open Science</i> , 2016, 3, 160102.	1.1	55
89	Design, Synthesis, and Spectroscopic Investigation of Zinc Dodecakis(trifluoroethoxy)phthalocyanines Conjugated with Deoxyribonucleosides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8163-8166.	7.2	54
90	Selective <i>O</i> -Difluoromethylation of 1,3-Diones by Bromodifluoromethylating Reagents. <i>Organic Letters</i> , 2013, 15, 1044-1047.	2.4	54

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91	Difluoromethylthiolation of Phenols and Related Compounds with a HF <sub>2</sub> CSO <sub>2</sub> Na/Ph <sub>2</sub> PCl/Me <sub>3</sub> SiCl System. <i>Organic Letters</i> , 2017, 19, 934-937.	2.4	54
92	Redox chemistry of trifluoromethyl sulfonium salts as CF <sub>3</sub> radical sources. <i>Journal of Fluorine Chemistry</i> , 2013, 155, 124-131.	0.9	53
93	Catalytic enantioselective synthesis of $\beta^2$ -trifluoromethyl pyrrolines. <i>Chemical Communications</i> , 2012, 48, 4067.	2.2	52
94	Enantioselective Trichloromethylation of MBH $\rightarrow$ F <sub>2</sub> Fluorides with Chloroform Based on Silicon $\rightarrow$ assisted C $\rightarrow$ F Activation and Carbanion Exchange Induced by a Ruppert $\rightarrow$ Prakash Reagent. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 359-363.	7.2	52
95	Importance of a Fluorine Substituent for the Preparation of <i>meta</i> - and <i>para</i> -Pentafluoro $\rightarrow$ <sup>6</sup> $\rightarrow$ sulfanyl $\rightarrow$ Substituted Pyridines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10781-10785.	7.2	52
96	Successive C $\rightarrow$ C bond cleavage, fluorination, trifluoromethylthio- and pentafluorophenylthiolation under metal-free conditions to provide compounds with dual fluoro-functionalization. <i>Chemical Science</i> , 2016, 7, 2106-2110.	3.7	52
97	Catalytic Asymmetric 1,3 $\rightarrow$ Dipolar Cycloaddition of $\beta^2$ -Fluoroalkylated $\beta^2$ -Unsaturated $\beta^2$ -Pyridylsulfones with Nitrones for Chiral Fluoroalkylated Isoxazolidines and $\beta^3$ -Amino Alcohols. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1510-1514.	7.2	52
98	Highly Enantioselective Monofluoromethylation of C2-Arylindoles Using FBSM under Chiral Phase-Transfer Catalysis. <i>Organic Letters</i> , 2013, 15, 3282-3285.	2.4	51
99	Cinchona Alkaloid/Ti <sup>IV</sup> $\rightarrow$ Catalyzed Enantioselective Enamine $\rightarrow$ Trifluoropyruvate Condensation $\rightarrow$ Cyclization Reaction and Its Application to Drug $\rightarrow$ like Heterocycles. <i>Chemistry - A European Journal</i> , 2010, 16, 7090-7095.	1.7	50
100	Organic reaction in Solkane $\rightarrow$ 365 mfc: homocoupling reaction of terminal alkynes. <i>Green Chemistry</i> , 2011, 13, 843.	4.6	50
101	Organocatalyzed Trifluoromethylation of Ketones and Sulfonyl Fluorides by Fluoroform under a Superbase System. <i>ChemistryOpen</i> , 2015, 4, 581-585.	0.9	50
102	Development of Shelf-Stable Reagents for Fluoro-Functionalization Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1307-1320.	2.0	50
103	Reactions of allyl alcohols and boronic acids with trifluoromethanesulfonyl hypervalent iodonium ylide under copper-catalysis. <i>Dalton Transactions</i> , 2015, 44, 19456-19459.	1.6	49
104	Partially saturated fluorinated heterocycles: diastereo- and enantioselective synthesis of $\beta^2$ -trifluoromethyl-pyrroline carboxylates. <i>Chemical Communications</i> , 2012, 48, 3632.	2.2	48
105	A New Synthetic Approach to Efavirenz through Enantioselective Trifluoromethylation by Using the Ruppert $\rightarrow$ Prakash Reagent. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5959-5961.	1.2	47
106	Cation versus Radical: Studies on the C/O Regioselectivity in Electrophilic Tri $\rightarrow$ , Di $\rightarrow$ , and Monofluoromethylations of $\beta^2$ -Ketoesters. <i>ChemistryOpen</i> , 2012, 1, 221-226.	0.9	47
107	Trifluoromethyl Sulfoxides from Allylic Alcohols and Electrophilic SCF <sub>3</sub> Donor by [2,3]-Sigmatropic Rearrangement. <i>Organic Letters</i> , 2015, 17, 1990-1993.	2.4	47
108	Thalidomide and its metabolite 5 $\rightarrow$ hydroxythalidomide induce teratogenicity via the cereblon neosubstrate PLZF. <i>EMBO Journal</i> , 2021, 40, e105375.	3.5	47

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109	Chiral discrimination between thalidomide enantiomers using a solid surface with two-dimensional chirality. <i>Chirality</i> , 2004, 16, S36-S39.	1.3	46
110	Development of Enantioselective Fluorination Reaction and Its Application to the Synthesis of Biologically Active Compounds. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2006, 64, 14-24.	0.0	46
111	Human Liver Microsomal Cytochrome P450 3A Enzymes Involved in Thalidomide 5-Hydroxylation and Formation of a Glutathione Conjugate. <i>Chemical Research in Toxicology</i> , 2010, 23, 1018-1024.	1.7	46
112	Stereoselective Synthesis of $\beta$ -Lactam-triflones under Catalyst-Free Conditions. <i>Organic Letters</i> , 2015, 17, 5610-5613.	2.4	46
113	Highly Diastereoselective Synthesis of Trifluoromethyl Indolines by Interceptive Benzylic Decarboxylative Cycloaddition of Nonvinyl, Trifluoromethyl Benzoxazinones with Sulfur Ylides under Palladium Catalysis. <i>Organic Letters</i> , 2018, 20, 1526-1529.	2.4	46
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