

Satoshi Mizuta

List of Publications by Year in descending order

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2,456
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331670

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docs citations

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times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Hydrotrifluoromethylation of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 2505-2508.	13.7	403
2	Recent advances in enantioselective trifluoromethylation reactions. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2633-2644.	1.8	334
3	Catalytic Decarboxylative Fluorination for the Synthesis of Tri- and Difluoromethyl Arenes. <i>Organic Letters</i> , 2013, 15, 2648-2651.	4.6	181
4	A broadly applicable [¹⁸ F]trifluoromethylation of aryl and heteroaryl iodides for PET imaging. <i>Nature Chemistry</i> , 2013, 5, 941-944.	13.6	178
5	Cinchona Alkaloid-Catalyzed Enantioselective Monofluoromethylation Reaction Based on Fluorobis(phenylsulfonyl)methane Combined with a Mannich-type Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 6394-6395.	13.7	167
6	Cinchona Alkaloids/TMAF Combination-Catalyzed Nucleophilic Enantioselective Trifluoromethylation of Aryl Ketones. <i>Organic Letters</i> , 2007, 9, 3707-3710.	4.6	149
7	Catalytic Enantioselective Michael Addition of ¹⁸ F-fluorobis(phenylsulfonyl)methane to α,β -Unsaturated Ketones Catalyzed by Cinchona Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8051-8054.	13.8	144
8	Trifluoromethylation of Allylsilanes under Copper Catalysis. <i>Chemistry - A European Journal</i> , 2012, 18, 8583-8587.	3.3	122
9	Trifluoromethylation of Allylsilanes under Photoredox Catalysis. <i>Organic Letters</i> , 2013, 15, 1250-1253.	4.6	117
10	Lewis acid-catalyzed tri- and difluoromethylation reactions of aldehydes. <i>Chemical Communications</i> , 2006, , 2575.	4.1	91
11	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.	1.9	65
12	Redox chemistry of trifluoromethyl sulfonium salts as CF ₃ radical sources. <i>Journal of Fluorine Chemistry</i> , 2013, 155, 124-131.	1.7	53
13	Recent Advances in Enantioselective Trifluoromethylation Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2008, 66, 215-228.	0.1	37
14	Synthesis of novel C ₂ -symmetric chiral crown ethers and their application to enantioselective trifluoromethylation of aldehydes and ketones. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 762-765.	1.7	37
15	Neutrophils and the S100A9 protein critically regulate granuloma formation. <i>Blood Advances</i> , 2016, 1, 184-192.	5.2	37
16	Ionic Liquid-Mediated Hydrofluorination of <i>o</i> -Azaxylylenes Derived from 3-Bromooxindoles. <i>Organic Letters</i> , 2017, 19, 2572-2575.	4.6	28
17	Structure-based drug discovery for combating influenza virus by targeting the PA ⁺ PB1 interaction. <i>Scientific Reports</i> , 2017, 7, 9500.	3.3	27
18	Diastereoselective addition to N-acyliminium ions with aryl- and alkenyl boronic acids via a Petasis-type reaction. <i>RSC Advances</i> , 2012, 2, 2266.	3.6	26

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19	Diastereoselective construction of azetidin-2-ones by electrochemical intramolecular C–C bond forming reaction. <i>Tetrahedron</i> , 2009, 65, 9742-9748.	1.9	24
20	Identification of small molecule inhibitors for influenza a virus using in silico and in vitro approaches. <i>PLoS ONE</i> , 2017, 12, e0173582.	2.5	24
21	Cinchona alkaloid/TMAF combination: Enantioselective trifluoromethylation of aryl aldehydes. <i>Journal of Fluorine Chemistry</i> , 2013, 152, 46-50.	1.7	19
22	Efficient Synthesis of Bicyclic α -Hydroxy- α -trifluoromethyl- β -lactams. <i>Synlett</i> , 2006, 2006, 3484-3488.	1.8	18
23	Design and Development of an HBT-Based Ratiometric Fluorescent Probe to Monitor Stress-Induced Premature Senescence. <i>ACS Omega</i> , 2020, 5, 11299-11307.	3.5	13
24	Prediction Model for Antimalarial Activities of Hemozoin Inhibitors by Using Physicochemical Properties. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	12
25	Silver-Promoted Fluorination Reactions of α -Bromoamides. <i>Chemistry - A European Journal</i> , 2021, 27, 5930-5935.	3.3	12
26	Live Cell Labeling with Terpyridine Derivative Proligands to Measure Cytotoxicity Mediated by Immune Cells. <i>ChemMedChem</i> , 2017, 12, 2006-2013.	3.2	9
27	Synthesis of Trifluoromethyl- α , β -unsaturated Lactones and Pyrazolinones and Discovery of Influenza Virus Polymerase Inhibitors. <i>ChemMedChem</i> , 2018, 13, 2390-2399.	3.2	9
28	Diastereodivergent Synthesis of Bromoiminolactones: Electrochemical and Chemical Bromoiminolactonization of α -Allylmalonamides. <i>Synlett</i> , 2019, 30, 1204-1208.	1.8	9
29	Synthesis and Immunomodulatory Activity of Fluorine-Containing Bisphosphonates. <i>ChemMedChem</i> , 2019, 14, 462-468.	3.2	7
30	Tri-tert-butylphosphine is an Efficient Promoter for the Trifluoromethylation Reactions of Aldehydes, Ketones, Imides and Imines. <i>Synlett</i> , 2006, 2006, 267-270.	1.8	6
31	Activity of N,N-dialkyl-2-trifluoromethylthioimidazolium salts as phase-transfer catalyst for the alkylation of active methylene compounds. <i>RSC Advances</i> , 2016, 6, 43159-43162.	3.6	6
32	2D-quantitative structure–activity relationships model using PLS method for anti-malarial activities of anti-hemozoin compounds. <i>Malaria Journal</i> , 2021, 20, 264.	2.3	6
33	Trifluoromethylthiolation of Hindered α -Bromoamides with Nucleophilic Trifluoromethylthiolating Reagents. <i>Journal of Organic Chemistry</i> , 2021, 86, 18017-18029.	3.2	6
34	3,3-Dibromo-2-trifluoromethyl acrylic acid ethyl ester: a versatile platform for the stereoselective preparation of functionalized α -trifluoromethyl α , β -unsaturated lactones and trifluoromethyl pyrazolinones. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1661-1667.	4.5	4
35	Computational study of the competitive binding of valproic acid glucuronide and carbapenem antibiotics to acylpeptide hydrolase. <i>Drug Metabolism and Pharmacokinetics</i> , 2017, 32, 201-207.	2.2	4
36	Fragment Molecular Orbital Study of the Interaction between Sarco/Endoplasmic Reticulum Ca^{2+} -ATPase and its Inhibitor Thapsigargin toward Anti-Malarial Development. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7970-7977.	2.6	4

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37	Determination of human $\hat{3}$ T cell-mediated cytotoxicity using a non-radioactive assay system. <i>Journal of Immunological Methods</i> , 2019, 466, 32-40.	1.4	4
38	Design and Synthesis of a Class of Compounds That Inhibit the Growth of Fungi Which Cause Invasive Infections. <i>ChemistrySelect</i> , 2020, 5, 1140-1145.	1.5	4
39	Lead Optimization of Influenza Virus RNA Polymerase Inhibitors Targeting PA-PB1 Interaction. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 369-385.	6.4	4
40	A Quinolinone Compound Inhibiting the Oligomerization of Nucleoprotein of Influenza A Virus Prevents the Selection of Escape Mutants. <i>Viruses</i> , 2020, 12, 337.	3.3	3
41	Novel Compounds Identified by Structure-Based Prion Disease Drug Discovery Using In Silico Screening Delay the Progression of an Illness in Prion-Infected Mice. <i>Neurotherapeutics</i> , 2020, 17, 1836-1849.	4.4	1
42	Identification of novel chemical compounds targeting filovirus VP40-mediated particle production. <i>Antiviral Research</i> , 2022, 199, 105267.	4.1	1
43	An Antiviral Drug Screening Platform with a FRET Biosensor for Measurement of Arenavirus Z Assembly. <i>Cell Structure and Function</i> , 2020, 45, 155-163.	1.1	0