

Gavin C Tsui

List of Publications by Year in descending order

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52
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1,978
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218677

26
h-index

254184

43
g-index

65
all docs

65
docs citations

65
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	New Avenues in Copper-Mediated Trifluoromethylation Reactions Using Fluoroform as the CF ₃ Source. <i>Synlett</i> , 2022, 33, 713-720.	1.8	2
2	Enantioselective Pd-catalyzed dearomative reductive Heck and domino Heck–Suzuki reactions of 2-CF ₃ -indoles. <i>Chemical Communications</i> , 2022, 58, 6200-6203.	4.1	13
3	Highly Selective C–F Bond Functionalization of Tetrasubstituted <i>gem</i> -Difluoroalkenes and Trisubstituted Monofluoroalkenes Using Grignard Reagents. <i>Organic Letters</i> , 2022, 24, 4087-4092.	4.6	11
4	Organocatalytic Three-Component Acyldifluoromethylation of Vinylarenes via <i>N</i> -Heterocyclic Carbene-Catalyzed Radical Relay. <i>Organic Letters</i> , 2022, 24, 4840-4844.	4.6	13
5	Stereoselective Palladium-Catalyzed Base-Free Suzuki–Miyaura Cross-Coupling of Tetrasubstituted <i>gem</i> -Difluoroalkenes: An Experimental and Computational Study. <i>ACS Catalysis</i> , 2021, 11, 4799-4809.	11.2	52
6	Stereoselective Synthesis of Difluorinated 1,3-Dienes via Palladium-Catalyzed C–F Bond Activation of Tetrasubstituted <i>gem</i> -Difluoroalkenes. <i>Organic Letters</i> , 2021, 23, 5241-5245.	4.6	14
7	Nucleophilic Vinylic Substitution (SNV) of Trisubstituted Monofluoroalkenes for the Synthesis of Stereodefined Trisubstituted Alkenes and Divinyl Ethers. <i>Organic Letters</i> , 2021, 23, 6169-6173.	4.6	8
8	Palladium-Catalyzed Stereoselective C–F Bond Vinylation and Allylation of Tetrasubstituted <i>gem</i> -Difluoroalkenes via Stille Coupling: Synthesis of Monofluorinated 1,3- and 1,4-Dienes. <i>Organic Letters</i> , 2021, 23, 8072-8076.	4.6	11
9	Construction of Carbon–Fluorine Bonds via Copper-Catalyzed/–Mediated Fluorination Reactions. <i>Chemical Record</i> , 2021, 21, 4015-4031.	5.8	11
10	Trifluoromethylation of Anthraquinones for n-Type Organic Semiconductors in Field Effect Transistors. <i>Journal of Organic Chemistry</i> , 2020, 85, 44-51.	3.2	14
11	Radical Pentafluoroethylation of Unactivated Alkenes Using CuCF ₂ CF ₃ . <i>Organic Letters</i> , 2020, 22, 4562-4567.	4.6	15
12	Palladium-Catalyzed Stereoselective Hydrodefluorination of Tetrasubstituted <i>gem</i> -Difluoroalkenes. <i>Organic Letters</i> , 2020, 22, 5193-5197.	4.6	36
13	Perfluoroalkylation of Thiosulfonates: Synthesis of Perfluoroalkyl Sulfides. <i>Organic Letters</i> , 2020, 22, 6155-6159.	4.6	22
14	Stereoselective Palladium-Catalyzed C–F Bond Alkynylation of Tetrasubstituted <i>gem</i> -Difluoroalkenes. <i>Angewandte Chemie</i> , 2020, 132, 11389-11393.	2.0	13
15	Stereoselective Palladium-Catalyzed C–F Bond Alkynylation of Tetrasubstituted <i>gem</i> -Difluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11293-11297.	13.8	66
16	Silver-Catalyzed Trifluoromethylalkynylation of Unactivated Alkenes with Hypervalent Iodine Reagents. <i>Organic Letters</i> , 2019, 21, 8625-8629.	4.6	30
17	Trifluoromethylation of \pm -diazoesters and \pm -diazoketones with fluoroform-derived CuCF ₃ : synergistic effects of co-solvent and pyridine as a promoter. <i>Organic Chemistry Frontiers</i> , 2019, 6, 27-31.	4.5	7
18	Organofluorine Chemistry. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 566-567.	2.7	18

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19	Trifluoromethylation of Unactivated Alkenes with Me_3SiCF_3 and <i>N</i> -Iodosuccinimide. <i>Organic Letters</i> , 2019, 21, 1521-1525.	4.6	26
20	Domino Cyclization/Trifluoromethylation of 2-Alkynylphenols for the Synthesis of 3-(Trifluoromethyl)benzofurans and Evaluation of their Antibacterial and Antifungal Activities. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 702-709.	2.7	7
21	Synthesis of 2-(Trifluoromethyl)indoles via Domino Trifluoromethylation/Cyclization of 2-Alkynylanilines. <i>Organic Letters</i> , 2018, 20, 1676-1679.	4.6	41
22	Copper-Mediated Domino Cyclization/Trifluoromethylation of Propargylic N-Hydroxylamines: Synthesis of 4-Trifluoromethyl-4-isoxazolines. <i>Journal of Organic Chemistry</i> , 2018, 83, 2971-2979.	3.2	17
23	Copper-Mediated Trifluoromethylation/Allylation of Arynes. <i>Organic Letters</i> , 2018, 20, 1179-1182.	4.6	38
24	Domino cyclization/trifluoromethylation of 2-alkynylanilines using fluoroform-derived CuCF_3 : synthesis of 3-(trifluoromethyl)indoles. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1511-1515.	4.5	29
25	Copper-mediated 1,2-bis(trifluoromethylation) of arynes. <i>Chemical Science</i> , 2018, 9, 8871-8875.	7.4	39
26	Copper-Mediated Domino Cyclization/Trifluoromethylation/Deprotection with TMSCF_3 : Synthesis of 4-(Trifluoromethyl)pyrazoles. <i>Organic Letters</i> , 2017, 19, 658-661.	4.6	75
27	Synthesis of Fluorescent Indazoles by Palladium-Catalyzed Benzannulation of Pyrazoles with Alkynes. <i>Organic Letters</i> , 2017, 19, 1450-1453.	4.6	45
28	Copper(I)-Catalyzed Interrupted Click Reaction with TMSCF_3 : Synthesis of 5-Trifluoromethyl 1,2,3-Triazoles. <i>Organic Letters</i> , 2017, 19, 2881-2884.	4.6	65
29	Hydroxytrifluoromethylation of Alkenes Using Fluoroform-Derived CuCF_3 . <i>Organic Letters</i> , 2017, 19, 2446-2449.	4.6	49
30	Domino Hydroboration/Trifluoromethylation of Alkynes Using Fluoroform-Derived $[\text{CuCF}_3]$. <i>Journal of Organic Chemistry</i> , 2017, 82, 6192-6201.	3.2	41
31	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2017, , 239-275.	0.5	6
32	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2016, 28, 219-274.	0.5	3
33	Fluoroform-Derived CuCF_3 for Trifluoromethylation of Terminal and TMS-Protected Alkynes. <i>Organic Letters</i> , 2016, 18, 2800-2803.	4.6	54
34	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2015, 27, 203-246.	0.5	2
35	The Organocatalytic Asymmetric Prins Cyclization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7703-7706.	13.8	139
36	Ruthenium-Catalyzed [2 + 2] Cycloadditions between Norbornene and Propargylic Alcohols or Their Derivatives. <i>Organometallics</i> , 2014, 33, 3847-3856.	2.3	16

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37	Expedient Synthesis of Chiral Oxazolidinone Scaffolds via Rhodium-Catalyzed Asymmetric Ring-Opening with Sodium Cyanate. <i>Organic Letters</i> , 2013, 15, 1064-1067.	4.6	61
38	Metal-Ligand Binding Affinity vs Reactivity: Qualitative Studies in Rh(I)-Catalyzed Asymmetric Ring-Opening Reactions. <i>Organic Letters</i> , 2013, 15, 2652-2655.	4.6	16
39	Use of (Z)- β -(2-Fluorobenzenesulfonyl)vinylamines as Novel Synthons in the Synthesis of 1,4-Benzothiazine Derivatives. <i>Synthesis</i> , 2012, 44, 1359-1364.	2.3	6
40	One-Pot Synthesis of Chiral Dihydrobenzofuran Framework via Rh/Pd Catalysis. <i>Organic Letters</i> , 2012, 14, 5542-5545.	4.6	61
41	Rhodium-Catalyzed Enantioselective Nucleophilic Fluorination: Ring Opening of Oxabicyclic Alkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12353-12356.	13.8	127
42	Asymmetric Synthesis of (Triaryl)methylamines by Rhodium-Catalyzed Addition of Arylboroxines to Cyclic α -N-Sulfonyl Ketimines. <i>Journal of the American Chemical Society</i> , 2012, 134, 5056-5059.	13.7	209
43	Rhodium(I)-Catalyzed Domino Asymmetric Ring Opening/Enantioselective Isomerization of Oxabicyclic Alkenes with Water. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5400-5404.	13.8	63
44	3,4-Diarylpiperidines as potent renin inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1953-1957.	2.2	7
45	Rhodium(I)-Catalyzed Addition of Arylboronic Acids to (Benzyl-/Arylsulfonyl)acetonitriles: Efficient Synthesis of β -Sulfonylvinylamines and β -Keto Sulfoxones. <i>Organic Letters</i> , 2011, 13, 208-211.	4.6	89
46	Synthesis of Unsymmetrical Polysubstituted Pyridines from β -Sulfonylvinylamines via 1-Aza-Allyl Anion Intermediates. <i>Synthesis</i> , 2011, 2011, 3908-3914.	2.3	0
47	Linear-Selective Rhodium(I)-Catalyzed Addition of Arylboronic Acids to Allyl Sulfoxones. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8938-8941.	13.8	62
48	Regioselective Rhodium(I)-Catalyzed Hydroarylation of Protected Allylic Amines with Arylboronic Acids. <i>Organic Letters</i> , 2010, 12, 2456-2459.	4.6	51
49	Synthesis of anti-2,7-Disubstituted Norbornadienes. <i>Synthesis</i> , 2009, 2009, 609-619.	2.3	3
50	Iron-Catalyzed Cross-Coupling Reactions between a Bicyclic Alkenyl Triflate and Grignard Reagents. <i>Journal of Organic Chemistry</i> , 2008, 73, 7829-7832.	3.2	29
51	Palladium-Catalyzed Suzuki Couplings of 2,3-Dibromonorbornadiene: Synthesis of Symmetrical and Unsymmetrical Aryl-Substituted Norbornadienes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1044-1051.	2.4	15
52	Ruthenium-Catalyzed [2 + 2] Cycloadditions between Bicyclic Alkenes and Alkynyl Halides. <i>Organic Letters</i> , 2004, 6, 4543-4546.	4.6	58