

# Gavin C Tsui

## List of Publications by Year in descending order

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52  
papers

1,978  
citations

218677

26  
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254184

43  
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65  
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65  
docs citations

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times ranked

1814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Synthesis of (Triaryl)methylamines by Rhodium-Catalyzed Addition of Arylboroxines to Cyclic <i>N</i> -Sulfonyl Ketimines. <i>Journal of the American Chemical Society</i> , 2012, 134, 5056-5059.	13.7	209
2	The Organocatalytic Asymmetric Prins Cyclization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7703-7706.	13.8	139
3	Rhodium-Catalyzed Enantioselective Nucleophilic Fluorination: Ring Opening of Oxabicyclic Alkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12353-12356.	13.8	127
4	Rhodium(I)-Catalyzed Addition of Arylboronic Acids to (Benzyl-/Arylsulfonyl)acetonitriles: Efficient Synthesis of <i>Z</i> - <i>β</i> -Sulfonylvinyllamines and <i>β</i> -Keto Sulfones. <i>Organic Letters</i> , 2011, 13, 208-211.	4.6	89
5	Copper-Mediated Domino Cyclization/Trifluoromethylation/Deprotection with TMSCF <sub>3</sub> : Synthesis of 4-(Trifluoromethyl)pyrazoles. <i>Organic Letters</i> , 2017, 19, 658-661.	4.6	75
6	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
7	Copper(I)-Catalyzed Interrupted Click Reaction with TMSCF <sub>3</sub> : Synthesis of 5-Trifluoromethyl 1,2,3-Triazoles. <i>Organic Letters</i> , 2017, 19, 2881-2884.	4.6	65
8	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
9	Linear-Selective Rhodium(I)-Catalyzed Addition of Arylboronic Acids to Allyl Sulfones. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8938-8941.	13.8	62
10	One-Pot Synthesis of Chiral Dihydrobenzofuran Framework via Rh/Pd Catalysis. <i>Organic Letters</i> , 2012, 14, 5542-5545.	4.6	61
11	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
12	Ruthenium-Catalyzed [2 + 2] Cycloadditions between Bicyclic Alkenes and Alkynyl Halides. <i>Organic Letters</i> , 2004, 6, 4543-4546.	4.6	58
13	Fluoroform-Derived CuCF <sub>3</sub> for Trifluoromethylation of Terminal and TMS-Protected Alkynes. <i>Organic Letters</i> , 2016, 18, 2800-2803.	4.6	54
14	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
15	Regioselective Rhodium(I)-Catalyzed Hydroarylation of Protected Allylic Amines with Arylboronic Acids. <i>Organic Letters</i> , 2010, 12, 2456-2459.	4.6	51
16	Hydroxytrifluoromethylation of Alkenes Using Fluoroform-Derived CuCF <sub>3</sub> . <i>Organic Letters</i> , 2017, 19, 2446-2449.	4.6	49
17	Synthesis of Fluorescent Indazoles by Palladium-Catalyzed Benzannulation of Pyrazoles with Alkynes. <i>Organic Letters</i> , 2017, 19, 1450-1453.	4.6	45
18	Domino Hydroboration/Trifluoromethylation of Alkynes Using Fluoroform-Derived [CuCF <sub>3</sub> ]. <i>Journal of Organic Chemistry</i> , 2017, 82, 6192-6201.	3.2	41

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19	Synthesis of 2-(Trifluoromethyl)indoles via Domino Trifluoromethylation/Cyclization of 2-Alkynylanilines. <i>Organic Letters</i> , 2018, 20, 1676-1679.	4.6	41
20	Copper-mediated 1,2-bis(trifluoromethylation) of arynes. <i>Chemical Science</i> , 2018, 9, 8871-8875.	7.4	39
21	Copper-Mediated Trifluoromethylation-Allylation of Arynes. <i>Organic Letters</i> , 2018, 20, 1179-1182.	4.6	38
22	Palladium-Catalyzed Stereoselective Hydrodefluorination of Tetrasubstituted <i>cis</i> -Difluoroalkenes. <i>Organic Letters</i> , 2020, 22, 5193-5197.	4.6	36
23	Silver-Catalyzed Trifluoromethylalkynylation of Unactivated Alkenes with Hypervalent Iodine Reagents. <i>Organic Letters</i> , 2019, 21, 8625-8629.	4.6	30
24	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
25	Domino cyclization/trifluoromethylation of 2-alkynylanilines using fluoroform-derived $\text{CuCF}_3$ : synthesis of 3-(trifluoromethyl)indoles. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1511-1515.	4.5	29
26	Trifluoromethylation of Unactivated Alkenes with $\text{Me}_3\text{SiCF}_3$ and <i>cis</i> -Iodosuccinimide. <i>Organic Letters</i> , 2019, 21, 1521-1525.	4.6	26
27	Perfluoroalkylation of Thiosulfonates: Synthesis of Perfluoroalkyl Sulfides. <i>Organic Letters</i> , 2020, 22, 6155-6159.	4.6	22
28	Organofluorine Chemistry. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 566-567.	2.7	18
29	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
30	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
31	Ruthenium-Catalyzed [2 + 2] Cycloadditions between Norbornene and Propargylic Alcohols or Their Derivatives. <i>Organometallics</i> , 2014, 33, 3847-3856.	2.3	16
32	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
33	Radical Pentafluoroethylation of Unactivated Alkenes Using $\text{CuCF}_2\text{CF}_3$ . <i>Organic Letters</i> , 2020, 22, 4562-4567.	4.6	15
34	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
35	Stereoselective Synthesis of Difluorinated 1,3-Dienes via Palladium-Catalyzed C-F Bond Activation of Tetrasubstituted <i>cis</i> -Difluoroalkenes. <i>Organic Letters</i> , 2021, 23, 5241-5245.	4.6	14
36	Stereoselective Palladium-Catalyzed C-F Bond Alkynylation of Tetrasubstituted <i>cis</i> -Difluoroalkenes. <i>Angewandte Chemie</i> , 2020, 132, 11389-11393.	2.0	13

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37	Enantioselective Pd-catalyzed dearomative reductive Heck and domino Heck-Suzuki reactions of 2-CF <sub>3</sub> -indoles. <i>Chemical Communications</i> , 2022, 58, 6200-6203.	4.1	13
38	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
39	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
40	Construction of Carbon-Fluorine Bonds via Copper-Catalyzed/â€M-Mediated Fluorination Reactions. <i>Chemical Record</i> , 2021, 21, 4015-4031.	5.8	11
41	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
42	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
43	3,4-Diarylpiperidines as potent renin inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1953-1957.	2.2	7
44	Trifluoromethylation of $\hat{I}\pm$ -diazoesters and $\hat{I}\pm$ -diazoketones with fluoroform-derived CuCF <sub>3</sub> : synergistic effects of co-solvent and pyridine as a promoter. <i>Organic Chemistry Frontiers</i> , 2019, 6, 27-31.	4.5	7
45	Domino Cyclization/Trifluoromethylation of 2-alkenylphenols 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
46	Use of (Z)- $\hat{I}^2$ -(2-Fluorobenzenesulfonyl)vinylamines as Novel Synthons in the Synthesis of 1,4-Benzothiazine Derivatives. <i>Synthesis</i> , 2012, 44, 1359-1364.	2.3	6
47	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2017, , 239-275.	0.5	6
48	Synthesis of anti-2,7-Disubstituted Norbornadienes. <i>Synthesis</i> , 2009, 2009, 609-619.	2.3	3
49	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2016, 28, 219-274.	0.5	3
50	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2015, 27, 203-246.	0.5	2
51	New Avenues in Copper-Mediated Trifluoromethylation Reactions Using Fluoroform as the CF <sub>3</sub> Source. <i>Synlett</i> , 2022, 33, 713-720.	1.8	2
52	Synthesis of Unsymmetrical Polysubstituted Pyridines from $\hat{I}^2$ -Sulfonylvinylamines via 1-Aza-Allyl Anion Intermediates. <i>Synthesis</i> , 2011, 2011, 3908-3914.	2.3	0