Francis Gosselin

List of Publications by Year
in descending order

76	2,310	218677	223800
papers	citations	26 h-index	46 g-index

78	78	78	2476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enantioselective Hydrogenation of Nâ^'H Imines. Journal of the American Chemical Society, 2009, 131, 9882-9883.	13.7	171
2	Superior Reactivity of Thiosemicarbazides in the Synthesis of 2-Amino-1,3,4-oxadiazoles. Journal of Organic Chemistry, 2006, 71, 9548-9551.	3.2	140
3	Toward the ideal synthesis. New transition metal-catalyzed reactions inspired by novel medicinal leads. Pure and Applied Chemistry, 2002, 74, 25-31.	1.9	128
4	Iridiumâ^'Monodentate Phosphoramidite-Catalyzed Asymmetric Hydrogenation of Substituted Benzophenone Nâ^'H Imines. Journal of the American Chemical Society, 2010, 132, 2124-2125.	13.7	123
5	Highly Regioselective Synthesis of 1-Aryl-3,4,5-Substituted Pyrazoles. Synlett, 2006, 2006, 3267-3270.	1.8	100
6	Unprecedented Catalytic Asymmetric Reduction of Nâ^'H Imines. Organic Letters, 2005, 7, 355-358.	4.6	98
7	Asymmetric Synthesis of the Tricyclic Core of NGF-Inducing Cyathane Diterpenes via a Transition-Metal-Catalyzed [5 + 2] Cycloaddition. Organic Letters, 2001, 3, 2105-2108.	4.6	94
8	A Practical Synthesis of Î±-Aryl Methyl Ketones via a Transition-Metal-Free Meerwein Arylation. Journal of Organic Chemistry, 2007, 72, 1856-1858.	3.2	82
9	Nucleophilic Displacement at Benzhydryl Centers:â€‰ Asymmetric Synthesis of 1,1-Diarylalkyl Derivatives. Organic Letters, 2004, 6, 111-114.	4.6	74
10	Highly Stereoselective Synthesis of Tetrasubstituted Acyclic All-Carbon Olefins via Enol Tosylation and Suzukiâ€“Miyaura Coupling. Journal of the American Chemical Society, 2017, 139, 10777-10783.	13.7	65
11	A Practical Enantioselective Synthesis of Odanacatib, a Potent Cathepsin K Inhibitor, via Triflate Displacement of an Î±-Trifluoromethylbenzyl Triflate. Journal of Organic Chemistry, 2009, 74, 1605-1610.	3.2	63
12	An Olefination Entry for the Synthesis of Enantiopure Î±,Ï‰-Diaminodicarboxylates and Azabicyclo[X.Y.0]alkane Amino Acidsâ€. Journal of Organic Chemistry, 1998, 63, 7463-7471.	3.2	62
13	Alkyl Substituent Effects on Pipecolyl Amide Isomer Equilibrium:Â Efficient Methodology for Synthesizing Enantiopure 6-Alkylpipecolic Acids and Conformational Analysis of TheirN-AcetylNâ€˜-Methylamides. Journal of Organic Chemistry, 1999, 64, 1993-2002.	3.2	62
14	Rigid Dipeptide Surrogates:Â Syntheses of Enantiopure Quinolizidinone and Pyrroloazepinone Amino Acids from a Common Diaminodicarboxylate Precursor. Journal of Organic Chemistry, 2000, 65, 2163-2171.	3.2	60
15	Studies on Oxidopyrylium [5 + 2] Cycloadditions:â€‰ Toward a General Synthetic Route to the C12-Hydroxy Daphnetoxins. Organic Letters, 2006, 8, 5373-5376.	4.6	58
16	Oxazolidine Ring Opening and Isomerization to (E)-Imines. Asymmetric Synthesis of Aryl-Î±-fluoroalkyl Amino Alcohols. Organic Letters, 2004, 6, 641-644.	4.6	55
17	Photoacoustic FTIR Spectroscopy, a Nondestructive Method for Sensitive Analysis of Solid-Phase Organic Chemistry. Journal of Organic Chemistry, 1996, 61, 7980-7981.	3.2	54
18	Heteroarylation of Azine N-Oxides. Organic Letters, 2012, 14, 862-865.	4.6	48

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19	A Practical Synthesis of 5-Lipoxygenase Inhibitor MK-0633. Journal of Organic Chemistry, 2010, 75, 4154-4160.	3.2	39
20	Stereoconvergent and -divergent Synthesis of Tetrasubstituted Alkenes by Nickel-Catalyzed Cross-Couplings. Journal of the American Chemical Society, 2021, 143, 19078-19090.	13.7	39
21	Practical Synthesis of a Potent Bradykinin B₁ Antagonist via Enantioselective Hydrogenation of a Pyridyl N-Acyl Enamide. Journal of Organic Chemistry, 2009, 74, 4547-4553.	3.2	36
22	Asymmetric Synthesis of Akt Kinase Inhibitor Ipatasertib. Organic Letters, 2017, 19, 4806-4809.	4.6	30
23	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. Angewandte Chemie - International Edition, 2020, 59, 2844-2849.	13.8	30
24	A Practical Synthesis ofm-Prostaglandin E Synthase-1 Inhibitor MK-7285. Journal of Organic Chemistry, 2009, 74, 7790-7797.	3.2	28
25	De Novo Sequence Determination of Modified Oligonucleotides. Analytical Chemistry, 2009, 81, 3723-3730.	6.5	28
26	Lithium Hexamethyldisilazide-Mediated Enolization of Highly Substituted Aryl Ketones: Structural and Mechanistic Basis of the E/Z Selectivities. Journal of the American Chemical Society, 2017, 139, 12182-12189.	13.7	27
27	Selective metal-halogen exchange of 4,4â€²-dibromobiphenyl mediated by lithium tributylmagnesiate. Tetrahedron, 2006, 62, 5092-5098.	1.9	24
28	A Novel Linking-Protecting Group Strategy for Solid-Phase Organic Chemistry with Configurationally Stable Î±-[N-(Phenylfluorenyl)]amino Carbonyl Compounds:Â Synthesis of Enantiopure Norephedrines on Solid Support. Journal of Organic Chemistry, 1999, 64, 2486-2493.	3.2	23
29	A Practical Synthesis of a PI3K Inhibitor under Noncryogenic Conditions via Functionalization of a Lithium Triarylmagnesiate Intermediate. Organic Process Research and Development, 2013, 17, 97-107.	2.7	22
30	Synthesis of Highly Stereodefined Tetrasubstituted Acyclic All-Carbon Olefins via a Syn-Elimination Approach. Organic Letters, 2017, 19, 6212-6215.	4.6	21
31	Highly Diastereoselective Î±-Arylation of Cyclic Nitriles. Organic Letters, 2017, 19, 3446-3449.	4.6	19
32	Chemoselective Copper-Catalyzed Ullmann-Type Coupling of Oxazolidinones with Bromoiodoarenes. Organic Letters, 2017, 19, 3021-3024.	4.6	19
33	Asymmetric Organozincate Additions to Ethyl 2,2,2-Trifluoropyruvate. Synlett, 2007, 2007, 2193-2196.	1.8	18
34	Macrolactamization Approaches to Arylomycin Antibiotics Core. Organic Letters, 2019, 21, 147-151.	4.6	18
35	Development of an Efficient, Safe, and Environmentally Friendly Process for the Manufacture of GDC-0084. Organic Process Research and Development, 2016, 20, 751-759.	2.7	17
36	Development of a Practical Synthesis of ERK Inhibitor GDC-0994. Organic Process Research and Development, 2017, 21, 387-398.	2.7	17

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37	Synthesis of Selective Estrogen Receptor Degrader GDC-0810 via Stereocontrolled Assembly of a Tetrasubstituted All-Carbon Olefin. Journal of Organic Chemistry, 2018, 83, 11571-11576.	3.2	17
38	Synthesis of PI3K inhibitor GDC-0077 via a stereocontrolled N-arylation of Î±-amino acids. Tetrahedron, 2019, 75, 4351-4357.	1.9	16
39	A Concise Synthesis of (S)-Î³-Fluoroleucine Ethyl Ester. Synlett, 2006, 2006, 291-295.	1.8	14
40	Kumadaâ€“Corriu Heteroaryl Cross-Coupling for Synthesis of a Pharmaceutical Intermediate: Comparison of Batch Versus Continuous Reaction Modes. Organic Process Research and Development, 2017, 21, 1320-1325.	2.7	13
41	Development of an Efficient Manufacturing Process for Reversible Brutonâ€™s Tyrosine Kinase Inhibitor GDC-0853. Organic Process Research and Development, 2018, 22, 978-990.	2.7	13
42	Palladium-Catalyzed Site-Selective Amidation of Dichloroazines. Organic Letters, 2018, 20, 3902-3906.	4.6	13
43	Stereocontrolled Synthesis of Arylomycin-Based Gram-Negative Antibiotic GDC-5338. Organic Letters, 2019, 21, 9099-9103.	4.6	12
44	Magnesium-Catalyzed N2-Regioselective Alkylation of 3-Substituted Pyrazoles. Synlett, 2020, 31, 595-599.	1.8	12
45	A Safe and Practical Procedure for Global Deprotection of Oligoribonucleotides. Journal of Organic Chemistry, 2010, 75, 5305-5307.	3.2	11
46	A Practical, Protecting-Group-Free Synthesis of a PI3K/mTOR Inhibitor. Organic Process Research and Development, 2015, 19, 416-426.	2.7	11
47	Highly Regioselective and Practical Synthesis of 5-Bromo-4-chloro-3-nitro-7-azaindole. Organic Process Research and Development, 2017, 21, 664-668.	2.7	11
48	Synthesis of a Selective Estrogen Receptor Degrader via a Stereospecific Elimination Approach. Organic Letters, 2018, 20, 1114-1117.	4.6	11
49	Improved Synthesis of the Nav1.7 Inhibitor GDC-0276 via a Highly Regioselective S_NAr Reaction. Organic Process Research and Development, 2019, 23, 1829-1840.	2.7	11
50	Diastereoselective Arylithium Addition to an Î±-Trifluoromethyl Imine. Practical Synthesis of a Potent Cathepsin K Inhibitor. Journal of Organic Chemistry, 2006, 71, 4320-4323.	3.2	10
51	Manufacture of the PI3K Î²-Sparing Inhibitor Taselisib. Part 2: Development of a Highly Efficient and Regioselective Late-Stage Process. Organic Process Research and Development, 2019, 23, 783-793.	2.7	10
52	Convergent Synthesis of PI3K Inhibitor GDC-0908 Featuring Palladium-Catalyzed Direct Câ€“H Arylation toward Dihydrobenzothienooxepines. Journal of Organic Chemistry, 2019, 84, 4796-4802.	3.2	10
53	Phosphoramidates as Steering Elements for Highly Selective Access to Complementary Imidazo[1,2-a]pyrimidine Isomers. Organic Letters, 2019, 21, 9527-9531.	4.6	9
54	A Strecker approach to 2-substituted ethyl 5-aminothiazole-4-carboxylates. Tetrahedron Letters, 2016, 57, 1736-1738.	1.4	8

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55	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. Angewandte Chemie, 2020, 132, 2866-2871.	2.0	8
56	Efficient, Protecting Group Free Kilogram-Scale Synthesis of the JAK1 Inhibitor GDC-4379. Organic Process Research and Development, 2021, 25, 2537-2550.	2.7	8
57	Stereoselective Synthesis of the IDO Inhibitor Navoximod. Journal of Organic Chemistry, 2022, 87, 4955-4960.	3.2	8
58	Highly Efficient Synthesis of a Staphylococcus aureus Targeting Payload to Enable the First Antibodyâ€“Antibiotic Conjugate. Chemistry - A European Journal, 2018, 24, 2837-2840.	3.3	7
59	Achiralâ€“Chiral Two-Dimensional Liquid Chromatography Platform to Support Automated High-Throughput Experimentation in the Field of Drug Development. Analytical Chemistry, 2020, 92, 15187-15193.	6.5	7
60	Development of a Practical and Greener Process for the Dual Leucine Zipper Kinase Inhibitor GDC-0134 Comprising Two S_NAr Reactions, Oxidation and Suzuki Coupling. Organic Process Research and Development, 2022, 26, 313-322.	2.7	7
61	Practical Synthesis of a 6-Triazolylazabicyclo[3.1.0]hexane. Organic Process Research and Development, 2018, 22, 728-735.	2.7	6
62	Process Development Overcomes a Challenging Pd-Catalyzed Câ€“N Coupling for the Synthesis of RORc Inhibitor GDC-0022. Organic Process Research and Development, 2020, 24, 567-578.	2.7	6
63	An Efficient Second-Generation Manufacturing Process for the pan-RAF Inhibitor Belvarafenib. Organic Process Research and Development, 2021, 25, 2338-2350.	2.7	6
64	Study of a Competing Hydrodefluorination Reaction During the Directed ortho-Lithiation/Borylation of 2-Fluorobenzaldehyde. Organometallics, 2019, 38, 119-128.	2.3	5
65	Efficient Manufacturing Process for the Selective Estrogen Receptor Degrader GDC-9545 (Giredestrant) via a Crystallization-Driven Diastereoselective Pictetâ€“Spengler Condensation. Organic Process Research and Development, 2022, 26, 568-582.	2.7	5
66	High-Throughput Chemical Modification of Oligonucleotides for Systematic Structureâ€“Activity Relationship Evaluation. Bioconjugate Chemistry, 2014, 25, 2222-2232.	3.6	4
67	An Efficient Through-Process for Chk1 Kinase Inhibitor GDC-0575. Organic Process Research and Development, 2018, 22, 344-350.	2.7	4
68	A fit for purpose synthesis of Brutonâ€™s tyrosine kinase inhibitor GDC-0852. Tetrahedron Letters, 2020, 61, 152447.	1.4	4
69	Development of a practical synthesis to PI3K Î±-selective inhibitor GDC-0326. Tetrahedron, 2021, 79, 131840.	1.9	4
70	First-Generation Asymmetric Synthesis of the Selective Estrogen Receptor Degrader GDC-9545 (Giredestrant) Featuring a Highly Efficient Pictetâ€“Spengler Reaction and a Câ€“N Coupling Reaction. Organic Process Research and Development, 2022, 26, 560-567.	2.7	4
71	Process Development of the Synthesis and Purification of a Reactive Immuno-PET Conjugate Intermediate. Organic Process Research and Development, 2016, 20, 312-318.	2.7	3
72	BBDFA: A Practical Reagent for Trifluoromethylation of Allylic and Benzylic Alcohols on Preparative Scale. Organic Process Research and Development, 2019, 23, 1695-1702.	2.7	3

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73	Practical Early Development Synthesis of Nav1.7 Inhibitor GDC-0310. Synthesis, 2020, 52, 3406-3414.	2.3	3
74	Practical Synthesis of a Stable Precursor for Positron Emission Tomography Imaging Agent ¹⁸F-GTP1. Organic Process Research and Development, 2020, 24, 1690-1699.	2.7	2
75	Fit-for-purpose synthesis of dual leucine zipper kinase (DLK) inhibitor GNE-834. Tetrahedron Letters, 2020, 61, 152430.	1.4	1
76	Discovery and Process Development of Class I PI3K and Class I PI3K/mTOR Inhibitors GDC-0941 and GDC-0980. ACS Symposium Series, 2016, , 237-270.	0.5	0