

Francis Gosselin

List of Publications by Year in descending order

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76
papers

2,310
citations

218677

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78
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docs citations

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2476
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#	ARTICLE	IF	CITATIONS
1	First-Generation Asymmetric Synthesis of the Selective Estrogen Receptor Degradable GDC-9545 (Giredestrant) Featuring a Highly Efficient Pictet-Spengler Reaction and a C-N Coupling Reaction. <i>Organic Process Research and Development</i> , 2022, 26, 560-567.	2.7	4
2	Efficient Manufacturing Process for the Selective Estrogen Receptor Degradable GDC-9545 (Giredestrant) via a Crystallization-Driven Diastereoselective Pictet-Spengler Condensation. <i>Organic Process Research and Development</i> , 2022, 26, 568-582.	2.7	5
3	Development of a Practical and Greener Process for the Dual Leucine Zipper Kinase Inhibitor GDC-0134 Comprising Two S _N Ar Reactions, Oxidation and Suzuki Coupling. <i>Organic Process Research and Development</i> , 2022, 26, 313-322.	2.7	7
4	Stereoselective Synthesis of the IDO Inhibitor Navoximod. <i>Journal of Organic Chemistry</i> , 2022, 87, 4955-4960.	3.2	8
5	Development of a practical synthesis to PI3K \pm -selective inhibitor GDC-0326. <i>Tetrahedron</i> , 2021, 79, 131840.	1.9	4
6	An Efficient Second-Generation Manufacturing Process for the pan-RAF Inhibitor Belvarafenib. <i>Organic Process Research and Development</i> , 2021, 25, 2338-2350.	2.7	6
7	Stereoconvergent and -divergent Synthesis of Tetrasubstituted Alkenes by Nickel-Catalyzed Cross-Couplings. <i>Journal of the American Chemical Society</i> , 2021, 143, 19078-19090.	13.7	39
8	Efficient, Protecting Group Free Kilogram-Scale Synthesis of the JAK1 Inhibitor GDC-4379. <i>Organic Process Research and Development</i> , 2021, 25, 2537-2550.	2.7	8
9	Magnesium-Catalyzed N2-Regioselective Alkylation of 3-Substituted Pyrazoles. <i>Synlett</i> , 2020, 31, 595-599.	1.8	12
10	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. <i>Angewandte Chemie</i> , 2020, 132, 2866-2871.	2.0	8
11	Asymmetric Hydrogenation of Unfunctionalized Tetrasubstituted Acyclic Olefins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2844-2849.	13.8	30
12	A fit for purpose synthesis of Bruton's tyrosine kinase inhibitor GDC-0852. <i>Tetrahedron Letters</i> , 2020, 61, 152447.	1.4	4
13	Fit-for-purpose synthesis of dual leucine zipper kinase (DLK) inhibitor GNE-834. <i>Tetrahedron Letters</i> , 2020, 61, 152430.	1.4	1
14	Practical Synthesis of a Stable Precursor for Positron Emission Tomography Imaging Agent ¹⁸ F-GTP1. <i>Organic Process Research and Development</i> , 2020, 24, 1690-1699.	2.7	2
15	Achiral Chiral Two-Dimensional Liquid Chromatography Platform to Support Automated High-Throughput Experimentation in the Field of Drug Development. <i>Analytical Chemistry</i> , 2020, 92, 15187-15193.	6.5	7
16	Process Development Overcomes a Challenging Pd-Catalyzed C-N Coupling for the Synthesis of RORc Inhibitor GDC-0022. <i>Organic Process Research and Development</i> , 2020, 24, 567-578.	2.7	6
17	Practical Early Development Synthesis of Nav1.7 Inhibitor GDC-0310. <i>Synthesis</i> , 2020, 52, 3406-3414.	2.3	3
18	BBDFA: A Practical Reagent for Trifluoromethylation of Allylic and Benzylic Alcohols on Preparative Scale. <i>Organic Process Research and Development</i> , 2019, 23, 1695-1702.	2.7	3

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19	Improved Synthesis of the Nav1.7 Inhibitor GDC-0276 via a Highly Regioselective S _N Ar Reaction. <i>Organic Process Research and Development</i> , 2019, 23, 1829-1840.	2.7	11
20	Stereocontrolled Synthesis of Arylomycin-Based Gram-Negative Antibiotic GDC-5338. <i>Organic Letters</i> , 2019, 21, 9099-9103.	4.6	12
21	Synthesis of PI3K inhibitor GDC-0077 via a stereocontrolled N-arylation of α -amino acids. <i>Tetrahedron</i> , 2019, 75, 4351-4357.	1.9	16
22	Manufacture of the PI3K β -Sparing Inhibitor Taselisib. Part 2: Development of a Highly Efficient and Regioselective Late-Stage Process. <i>Organic Process Research and Development</i> , 2019, 23, 783-793.	2.7	10
23	Phosphoramidates as Steering Elements for Highly Selective Access to Complementary Imidazo[1,2- <i>a</i>]pyrimidine Isomers. <i>Organic Letters</i> , 2019, 21, 9527-9531.	4.6	9
24	Macrolactamization Approaches to Arylomycin Antibiotics Core. <i>Organic Letters</i> , 2019, 21, 147-151.	4.6	18
25	Convergent Synthesis of PI3K Inhibitor GDC-0908 Featuring Palladium-Catalyzed Direct C-H Arylation toward Dihydrobenzothienooxepines. <i>Journal of Organic Chemistry</i> , 2019, 84, 4796-4802.	3.2	10
26	Study of a Competing Hydrodefluorination Reaction During the Directed <i>ortho</i> -Lithiation/Borylation of 2-Fluorobenzaldehyde. <i>Organometallics</i> , 2019, 38, 119-128.	2.3	5
27	Synthesis of a Selective Estrogen Receptor Degradar via a Stereospecific Elimination Approach. <i>Organic Letters</i> , 2018, 20, 1114-1117.	4.6	11
28	An Efficient Through-Process for Chk1 Kinase Inhibitor GDC-0575. <i>Organic Process Research and Development</i> , 2018, 22, 344-350.	2.7	4
29	Highly Efficient Synthesis of a <i>Staphylococcus aureus</i> Targeting Payload to Enable the First Antibody-Antibiotic Conjugate. <i>Chemistry - A European Journal</i> , 2018, 24, 2837-2840.	3.3	7
30	Synthesis of Selective Estrogen Receptor Degradar GDC-0810 via Stereocontrolled Assembly of a Tetrasubstituted All-Carbon Olefin. <i>Journal of Organic Chemistry</i> , 2018, 83, 11571-11576.	3.2	17
31	Practical Synthesis of a 6-Triazolylazabicyclo[3.1.0]hexane. <i>Organic Process Research and Development</i> , 2018, 22, 728-735.	2.7	6
32	Development of an Efficient Manufacturing Process for Reversible Bruton's Tyrosine Kinase Inhibitor GDC-0853. <i>Organic Process Research and Development</i> , 2018, 22, 978-990.	2.7	13
33	Palladium-Catalyzed Site-Selective Amidation of Dichloroazines. <i>Organic Letters</i> , 2018, 20, 3902-3906.	4.6	13
34	Development of a Practical Synthesis of ERK Inhibitor GDC-0994. <i>Organic Process Research and Development</i> , 2017, 21, 387-398.	2.7	17
35	Highly Diastereoselective α -Arylation of Cyclic Nitriles. <i>Organic Letters</i> , 2017, 19, 3446-3449.	4.6	19
36	Chemoselective Copper-Catalyzed Ullmann-Type Coupling of Oxazolidinones with Bromiodoarenes. <i>Organic Letters</i> , 2017, 19, 3021-3024.	4.6	19

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37	Highly Regioselective and Practical Synthesis of 5-Bromo-4-chloro-3-nitro-7-azaindole. <i>Organic Process Research and Development</i> , 2017, 21, 664-668.	2.7	11
38	Asymmetric Synthesis of Akt Kinase Inhibitor Ipatasertib. <i>Organic Letters</i> , 2017, 19, 4806-4809.	4.6	30
39	Highly Stereoselective Synthesis of Tetrasubstituted Acyclic All-Carbon Olefins via Enol Tosylation and Suzuki–Miyaura Coupling. <i>Journal of the American Chemical Society</i> , 2017, 139, 10777-10783.	13.7	65
40	Lithium Hexamethyldisilazide-Mediated Enolization of Highly Substituted Aryl Ketones: Structural and Mechanistic Basis of the <i>E</i> / <i>Z</i> Selectivities. <i>Journal of the American Chemical Society</i> , 2017, 139, 12182-12189.	13.7	27
41	Synthesis of Highly Stereodefined Tetrasubstituted Acyclic All-Carbon Olefins via a <i>Syn</i> -Elimination Approach. <i>Organic Letters</i> , 2017, 19, 6212-6215.	4.6	21
42	Kumada–Corriu Heteroaryl Cross-Coupling for Synthesis of a Pharmaceutical Intermediate: Comparison of Batch Versus Continuous Reaction Modes. <i>Organic Process Research and Development</i> , 2017, 21, 1320-1325.	2.7	13
43	Discovery and Process Development of Class I PI3K and Class I PI3K/mTOR Inhibitors GDC-0941 and GDC-0980. <i>ACS Symposium Series</i> , 2016, , 237-270.	0.5	0
44	Development of an Efficient, Safe, and Environmentally Friendly Process for the Manufacture of GDC-0084. <i>Organic Process Research and Development</i> , 2016, 20, 751-759.	2.7	17
45	A Strecker approach to 2-substituted ethyl 5-aminothiazole-4-carboxylates. <i>Tetrahedron Letters</i> , 2016, 57, 1736-1738.	1.4	8
46	Process Development of the Synthesis and Purification of a Reactive Immuno-PET Conjugate Intermediate. <i>Organic Process Research and Development</i> , 2016, 20, 312-318.	2.7	3
47	A Practical, Protecting-Group-Free Synthesis of a PI3K/mTOR Inhibitor. <i>Organic Process Research and Development</i> , 2015, 19, 416-426.	2.7	11
48	High-Throughput Chemical Modification of Oligonucleotides for Systematic Structure–Activity Relationship Evaluation. <i>Bioconjugate Chemistry</i> , 2014, 25, 2222-2232.	3.6	4
49	A Practical Synthesis of a PI3K Inhibitor under Noncryogenic Conditions via Functionalization of a Lithium Triarylmagnesiato Intermediate. <i>Organic Process Research and Development</i> , 2013, 17, 97-107.	2.7	22
50	Heteroarylation of Azine N-Oxides. <i>Organic Letters</i> , 2012, 14, 862-865.	4.6	48
51	Iridium–Monodentate Phosphoramidite-Catalyzed Asymmetric Hydrogenation of Substituted Benzophenone N–H Imines. <i>Journal of the American Chemical Society</i> , 2010, 132, 2124-2125.	13.7	123
52	A Safe and Practical Procedure for Global Deprotection of Oligoribonucleotides. <i>Journal of Organic Chemistry</i> , 2010, 75, 5305-5307.	3.2	11
53	A Practical Synthesis of 5-Lipoxygenase Inhibitor MK-0633. <i>Journal of Organic Chemistry</i> , 2010, 75, 4154-4160.	3.2	39
54	A Practical Synthesis of <i>m</i> -Prostaglandin E Synthase-1 Inhibitor MK-7285. <i>Journal of Organic Chemistry</i> , 2009, 74, 7790-7797.	3.2	28

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55	De Novo Sequence Determination of Modified Oligonucleotides. <i>Analytical Chemistry</i> , 2009, 81, 3723-3730.	6.5	28
56	A Practical Enantioselective Synthesis of Odanacatib, a Potent Cathepsin K Inhibitor, via Triflate Displacement of an $\hat{I}\pm$ -Trifluoromethylbenzyl Triflate. <i>Journal of Organic Chemistry</i> , 2009, 74, 1605-1610.	3.2	63
57	Practical Synthesis of a Potent Bradykinin B ₁ Antagonist via Enantioselective Hydrogenation of a Pyridyl \hat{N} -Acyl Enamide. <i>Journal of Organic Chemistry</i> , 2009, 74, 4547-4553.	3.2	36
58	Enantioselective Hydrogenation of \hat{N}^H Imines. <i>Journal of the American Chemical Society</i> , 2009, 131, 9882-9883.	13.7	171
59	Asymmetric Organozincate Additions to Ethyl 2,2,2-Trifluoropyruvate. <i>Synlett</i> , 2007, 2007, 2193-2196.	1.8	18
60	A Practical Synthesis of $\hat{I}\pm$ -Aryl Methyl Ketones via a Transition-Metal-Free Meerwein Arylation. <i>Journal of Organic Chemistry</i> , 2007, 72, 1856-1858.	3.2	82
61	Diastereoselective Arylithium Addition to an $\hat{I}\pm$ -Trifluoromethyl Imine. Practical Synthesis of a Potent Cathepsin K Inhibitor. <i>Journal of Organic Chemistry</i> , 2006, 71, 4320-4323.	3.2	10
62	Superior Reactivity of Thiosemicarbazides in the Synthesis of 2-Amino-1,3,4-oxadiazoles. <i>Journal of Organic Chemistry</i> , 2006, 71, 9548-9551.	3.2	140
63	Studies on Oxidopyrylium [5 + 2] Cycloadditions: Toward a General Synthetic Route to the C12-Hydroxy Daphnetoxins. <i>Organic Letters</i> , 2006, 8, 5373-5376.	4.6	58
64	Selective metal-halogen exchange of 4,4-dibromobiphenyl mediated by lithium tributylmagnesiante. <i>Tetrahedron</i> , 2006, 62, 5092-5098.	1.9	24
65	A Concise Synthesis of (S)- \hat{I}^3 -Fluoro-leucine Ethyl Ester. <i>Synlett</i> , 2006, 2006, 291-295.	1.8	14
66	Highly Regioselective Synthesis of 1-Aryl-3,4,5-Substituted Pyrazoles. <i>Synlett</i> , 2006, 2006, 3267-3270.	1.8	100
67	Unprecedented Catalytic Asymmetric Reduction of \hat{N}^H Imines. <i>Organic Letters</i> , 2005, 7, 355-358.	4.6	98
68	Oxazolidine Ring Opening and Isomerization to (E)-Imines. Asymmetric Synthesis of Aryl- $\hat{I}\pm$ -fluoroalkyl Amino Alcohols. <i>Organic Letters</i> , 2004, 6, 641-644.	4.6	55
69	Nucleophilic Displacement at Benzhydryl Centers: Asymmetric Synthesis of 1,1-Diaryllalkyl Derivatives. <i>Organic Letters</i> , 2004, 6, 111-114.	4.6	74
70	Toward the ideal synthesis. New transition metal-catalyzed reactions inspired by novel medicinal leads. <i>Pure and Applied Chemistry</i> , 2002, 74, 25-31.	1.9	128
71	Asymmetric Synthesis of the Tricyclic Core of NGF-Inducing Cyathane Diterpenes via a Transition-Metal-Catalyzed [5 + 2] Cycloaddition. <i>Organic Letters</i> , 2001, 3, 2105-2108.	4.6	94
72	Rigid Dipeptide Surrogates: Syntheses of Enantiopure Quinolizidinone and Pyrroloazepinone Amino Acids from a Common Diaminodicarboxylate Precursor. <i>Journal of Organic Chemistry</i> , 2000, 65, 2163-2171.	3.2	60

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73	Alkyl Substituent Effects on Pipecolyl Amide Isomer Equilibrium: An Efficient Methodology for Synthesizing Enantiopure 6-Alkylpipercolic Acids and Conformational Analysis of Their N-Acetyl-N-Methylamides. <i>Journal of Organic Chemistry</i> , 1999, 64, 1993-2002.	3.2	62
74	A Novel Linking-Protecting Group Strategy for Solid-Phase Organic Chemistry with Configurationally Stable \pm -[N-(Phenylfluorenyl)]amino Carbonyl Compounds: A Synthesis of Enantiopure Norephedrine on Solid Support. <i>Journal of Organic Chemistry</i> , 1999, 64, 2486-2493.	3.2	23
75	An Olefination Entry for the Synthesis of Enantiopure \pm , β -Diaminodicarboxylates and Azabicyclo[X.Y.0]alkane Amino Acids. <i>Journal of Organic Chemistry</i> , 1998, 63, 7463-7471.	3.2	62
76	Photoacoustic FTIR Spectroscopy, a Nondestructive Method for Sensitive Analysis of Solid-Phase Organic Chemistry. <i>Journal of Organic Chemistry</i> , 1996, 61, 7980-7981.	3.2	54