Fraser F Fleming

List of Publications by Year
in descending order

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116 papers	4,342 citations	257450 24 h-index	118850 62 g-index
160 all docs	160 docs citations	160 times ranked	3720 citing authors

#	Article	IF	Citations
1	Copper-Catalyzed Conjugate Additions to Isocyanoalkenes. Journal of Organic Chemistry, 2022, 87, 488-497.	3.2	1
2	Oxidative DMSO Cyclization Cascade to Bicyclic Hydroxyketonitriles. Journal of Organic Chemistry, 2022, 87, 6097-6104.	3.2	1
3	Oxazole Synthesis by Sequential Asmic-Ester Condensations and Sulfanylâ€“Lithium Exchangeâ€“Trapping. Organic Letters, 2021, 23, 1500-1503.	4.6	10
4	One-step synthesis of imidazoles from Asmic (anisylsulfanylmethyl isocyanide). Beilstein Journal of Organic Chemistry, 2021, 17, 1499-1502.	2.2	2
5	Metalated isocyanides: formation, structure, and reactivity. Organic and Biomolecular Chemistry, 2020, 18, 6467-6482.	2.8	19
6	Acetonitrileâ€“Hexane Extraction Route to Pure Sulfonium Salts. ACS Omega, 2020, 5, 13384-13388.	3.5	4
7	Asmic Isocyanide [3 + 2] Cascade to Dihydrooxazoles and Dihydroimidazoles. Journal of Organic Chemistry, 2020, 85, 9153-9160.	3.2	12
8	Asmic Isocyanideâ€Nitrile Isomerizationâ€Alkylations. European Journal of Organic Chemistry, 2019, 2019, 4644-4648.	2.4	7
9	Diastereoselective Electrophileâ€Directed Alkylations. European Journal of Organic Chemistry, 2019, 2019, 2093-2106.	2.4	2
10	Isocyanide Purification: C-2 Silica Cleans Up a Dirty Little Secret. Synthesis, 2019, 51, 2122-2127.	2.3	7
11	Electrophile-Dependent Alkylations of Lithiated 4-Alkoxyalk-4-enenitriles. Journal of Organic Chemistry, 2018, 83, 2753-2762.	3.2	9
12	Electrophileâ€Directed Diastereoselective Oxonitrile Alkylations. Chemistry - A European Journal, 2018, 24, 2850-2853.	3.3	2
13	Asmic: An Exceptional Building Block for Isocyanide Alkylations. Organic Letters, 2018, 20, 5910-5913.	4.6	9
14	Sulfoneâ€“Metal Exchange and Alkylation of Sulfonylnitriles. Angewandte Chemie - International Edition, 2017, 56, 7257-7260.	13.8	10
15	Alkenyl Isocyanide Conjugate Additions: A Rapid Route to Î³â€Carbolines. Angewandte Chemie - International Edition, 2017, 56, 4310-4313.	13.8	16
16	C- and N-Metalated Nitriles: The Relationship between Structure and Selectivity. Accounts of Chemical Research, 2017, 50, 2556-2568.	15.6	42
17	Alkenyl Isocyanide Conjugate Additions: A Rapid Route to Î³â€Carbolines. Angewandte Chemie, 2017, 129, 4374-4377.	2.0	0
18	Sulfoneâ€“Metal Exchange and Alkylation of Sulfonylnitriles. Angewandte Chemie, 2017, 129, 7363-7366.	2.0	2

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19	Cyclic Alkenenitriles: Copper-Catalyzed Deconjugative Î±-Alkylation. Journal of Organic Chemistry, 2016, 81, 4098-4102.	3.2	8
20	Direct Conversion of Nitriles into Alkene â€œIsonitrilesâ€• Angewandte Chemie - International Edition, 2016, 55, 14770-14773.	13.8	4
21	Direct Conversion of Nitriles into Alkene â€œIsonitrilesâ€• Angewandte Chemie, 2016, 128, 14990-14993.	2.0	0
22	Isocyano Enones: Additionâ€“Cyclization Cascade to Oxazoles. Organic Letters, 2016, 18, 3062-3065.	4.6	11
23	Isonitrile alkylations: a rapid route to imidazo[1,5-a]pyridines. Chemical Communications, 2016, 52, 2111-2113.	4.1	23
24	Enantioselective Installation of Quaternary Centers in Cyclic Oxonitriles. European Journal of Organic Chemistry, 2015, 2015, 6679-6686.	2.4	11
25	Metalated nitriles: SNiâ€² cyclizations with a propargylic electrophile. Tetrahedron Letters, 2015, 56, 3216-3219.	1.4	3
26	Alkyl Sulfinates: Formal Nucleophiles for Synthesizing TosMIC Analogs. European Journal of Organic Chemistry, 2015, 2015, 1602-1605.	2.4	40
27	Chemoselective Alkylations with N- and C-Metalated Nitriles. Organic Letters, 2015, 17, 4906-4909.	4.6	15
28	Arylthio-Metal Exchange of Î±-Arylthioalkanenitriles. Organic Letters, 2014, 16, 62-65.	4.6	19
29	Catalytic Isonitrile Insertions and Condensations Initiated by RNCâ€“X Complexation. Advanced Synthesis and Catalysis, 2014, 356, 2135-2196.	4.3	122
30	Metalated Nitriles: S_Ni and S_Niâ€² Installation of Contiguous Quaternaryâ€“Tertiary and Quaternaryâ€“Quaternary Centers. Chemistry - A European Journal, 2013, 19, 8746-8750.	3.3	4
31	Metalated nitriles: N- and C-coordination preferences of Li, Mg, and Cu cations. Chemical Communications, 2013, 49, 4700.	4.1	39
32	Î³- and Î´-Hydroxynitriles: diastereoselective electrophile-dependent alkylations. Tetrahedron, 2013, 69, 366-376.	1.9	13
33	Dithiolopyranthione Synthesis, Spectroscopy, and an Unusual Reactivity with DDQ. Journal of Heterocyclic Chemistry, 2013, 50, 879-886.	2.6	6
34	Sulfinylnitriles: Sulfinylâ€“Metal Exchangeâ€“Alkylation Strategies. Chemistry - A European Journal, 2013, 19, 2023-2029.	3.3	18
35	Cyclohexylcarbonitriles: Diastereoselective Arylations with TMPZnClÂ·LiCl. Journal of Organic Chemistry, 2012, 77, 7671-7676.	3.2	10
36	Transmissive Olefination Route to Putative â€œMorinol Iâ€•Lignans. Journal of Organic Chemistry, 2012, 77, 3651-3657.	3.2	9

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37	SNiâ€² displacements with main group organometallics. Tetrahedron, 2012, 68, 2925-2942.	1.9	24
38	Pd-Catalyzed Î±-Arylation of Nitriles and Esters and Î³-Arylation of Unsaturated Nitriles with TMPZnClÂ·LiCl. Organic Letters, 2011, 13, 1690-1693.	4.6	71
39	Alkenenitrile Transmissive Olefination: Synthesis of the Putative Lignan â€œMorinol Iâ€• European Journal of Organic Chemistry, 2011, 2011, 6843-6846.	2.4	4
40	Nitrile Alkylations through Sulfinylâ€“Metal Exchange. Angewandte Chemie - International Edition, 2011, 50, 11790-11793.	13.8	15
41	Nitrile-Containing Pharmaceuticals: Efficacious Roles of the Nitrile Pharmacophore. Journal of Medicinal Chemistry, 2010, 53, 7902-7917.	6.4	1,279
42	Enantioselective Synthesis of Cyclic, Quaternary Oxonitriles. Journal of Organic Chemistry, 2010, 75, 7092-7098.	3.2	8
43	Î³-Hydroxynitrile Alkylations: Electrophile-Dependent Stereoselectivity. Organic Letters, 2010, 12, 3030-3033.	4.6	9
44	Metalated Nitrile and Enolate Chlorinations. Organic Letters, 2010, 12, 2810-2813.	4.6	10
45	Direct Conversion of Aldehydes and Ketones to Allylic Halides by a NbX5-[3,3] Rearrangement. Synlett, 2009, 2009, 1077-1080.	1.8	15
46	Allylic and Allenic Halide Synthesis via NbCl₅- and NbBr₅-Mediated Alkoxide Rearrangements. Journal of Organic Chemistry, 2009, 74, 7294-7299.	3.2	20
47	Cyclohexanecarbonitriles: Assigning Configurations at Quaternary Centers from 13C NMR CN Chemical Shifts. Journal of Organic Chemistry, 2009, 74, 3551-3553.	3.2	17
48	Cyclic Metalated Nitriles: Stereoselective Cyclizations to cisâ€•and transâ€Hydrindanes, Decalins, and Bicyclo[4.3.0]undecanes. European Journal of Organic Chemistry, 2008, 2008, 5365-5374.	2.4	33
49	Metalated Nitriles: Internal 1,3-Asymmetric Induction. European Journal of Organic Chemistry, 2008, 2009, NA-NA.	2.4	9
50	Metalated nitriles: stereodivergent cation-controlled cyclizations. Tetrahedron, 2008, 64, 7477-7488.	1.9	25
51	Cyclic Nitriles: Stereodivergent Additionâ^'Alkylationâ^'Cyclization to cis- and trans-Abietanes. Journal of Organic Chemistry, 2008, 73, 3674-3679.	3.2	15
52	Preparation of Functionalized Alkylmagnesium Derivatives Using an I/Mg-Exchange. Organic Letters, 2008, 10, 1187-1189.	4.6	19
53	Metalated Nitriles:â€‰ Internal 1,2-Asymmetric Induction. Journal of Organic Chemistry, 2008, 73, 2803-2810.	3.2	27
54	Metalated Nitriles:Â Chelation-Controlled Cyclizations tocisandtransHydrindanes and Decalins. Journal of Organic Chemistry, 2007, 72, 1431-1436.	3.2	22

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55	Alkenenitriles:â€‰ Conjugate Additions of Alkyl Iodides with a Silica-Supported Zincâ^'Copper Matrix in Water. Journal of Organic Chemistry, 2007, 72, 6961-6969.	3.2	22
56	Metalated Nitriles:Â Cation-Controlled Cyclizations. Organic Letters, 2007, 9, 2733-2736.	4.6	12
57	Cyclic Oxonitriles:â€‰ Stereodivergent Grignard Additionâ^'Alkylations. Journal of Organic Chemistry, 2007, 72, 5270-5275.	3.2	12
58	Grignard Reagents:â€‰ Alkoxide-Directed Iodineâ^'Magnesium Exchange at sp3 Centers. Organic Letters, 2007, 9, 4507-4509.	4.6	22
59	Metalated Nitriles: Internal 1,2â€Asymmetric Induction. Angewandte Chemie - International Edition, 2007, 46, 7098-7100.	13.8	15
60	Alkenenitriles:â€‰ Znâ^'Cu Promoted Conjugate Additions of Alkyl Iodides in Water. Organic Letters, 2006, 8, 1557-1559.	4.6	20
61	Oxonitriles:â€‰ A Grignard Additionâ^'Acylation Route to Enamides. Organic Letters, 2006, 8, 4903-4906.	4.6	15
62	C-Metalated Nitriles:Â Electrophile-Dependent Alkylations and Acylations. Journal of Organic Chemistry, 2006, 71, 1430-1435.	3.2	31
63	Cyclic Oxonitriles: Synergistic Juxtaposition of Ketone and Nitrile Functionalities. Synthesis, 2006, 2006, 893-913.	2.3	37
64	Cyclic nitriles: tactical advantages in synthesis. Tetrahedron, 2005, 61, 747-789.	1.9	120
65	Cyclic Nitriles: Tactical Advantages in Synthesis. ChemInform, 2005, 36, no.	0.0	0
66	Metalated Nitriles: Electrophile-Dependent Alkylations.. ChemInform, 2005, 36, no.	0.0	0
67	Metalated Nitriles: Organolithium, - magnesium, and -copper Exchange of Î±-Halonitriles.. ChemInform, 2005, 36, no.	0.0	0
68	Cyclic Nitriles: Diastereoselective Alkylations.. ChemInform, 2005, 36, no.	0.0	0
69	Cyclic Nitriles:Â Diastereoselective Alkylations. Journal of Organic Chemistry, 2005, 70, 3845-3849.	3.2	31
70	Metalated Nitriles:â€‰ Electrophile-Dependent Alkylations. Organic Letters, 2005, 7, 447-449.	4.6	14
71	Metalated Nitriles:Â Organolithium, -magnesium, and -copper Exchange of Î±-Halonitriles. Journal of Organic Chemistry, 2005, 70, 2200-2205.	3.2	58
72	Oxonitriles: Multicomponent Grignard Additionâ€“Alkylations. Angewandte Chemie - International Edition, 2004, 43, 1126-1129.	13.8	21

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73	Cyclic Alkenenitriles: Synthesis, Conjugate Addition, and Stereoselective Annulation.. ChemInform, 2004, 35, no.	0.0	0
74	Oxonitriles: Multicomponent Grignard Addition-Alkylations.. ChemInform, 2004, 35, no.	0.0	0
75	Metalated Nitriles: Halogenâ€"Metal Exchange with Î±-Halonitriles.. ChemInform, 2004, 35, no.	0.0	0
76	Sink Inserts for Flood Prevention. Journal of Chemical Education, 2004, 81, 1344.	2.3	0
77	Metalated Nitriles:â€‰ Halogenâ^'Metal Exchange with Î±-Halonitriles. Organic Letters, 2004, 6, 501-503.	4.6	32
78	Î³-Hydroxy-Î±,Î²-alkenenitriles: Chelation-Controlled Conjugate Additions.. ChemInform, 2003, 34, no.	0.0	0
79	Cyclic Alkenenitriles: Chemoselective Oxonitrile Cyclizations.. ChemInform, 2003, 34, no.	0.0	0
80	Hydroxy Alkenenitriles: Diastereoselective Conjugate Additionâ€"Alkylations.. ChemInform, 2003, 34, no.	0.0	0
81	Alkynenitriles: Stereoselective Chelation Controlled Conjugate Additionâ€"Alkylations.. ChemInform, 2003, 34, no.	0.0	0
82	Î²-Siloxy unsaturated nitriles: stereodivergent cyclizations to cis- and trans-decalins. Tetrahedron, 2003, 59, 737-745.	1.9	15
83	Alkynenitriles: stereoselective chelation controlled conjugate additionâ€"alkylations. Tetrahedron, 2003, 59, 5585-5593.	1.9	25
84	Unsaturated Nitriles:â€‰ Conjugate Additions of Carbon Nucleophiles to a Recalcitrant Class of Acceptors. Chemical Reviews, 2003, 103, 2035-2078.	47.7	333
85	Cyclic Alkenenitriles:Â Synthesis, Conjugate Addition, and Stereoselective Annulation. Journal of Organic Chemistry, 2003, 68, 7646-7650.	3.2	23
86	Hydroxy Alkenenitriles:â€‰ Diastereoselective Conjugate Additionâ^'Alkylations. Journal of Organic Chemistry, 2003, 68, 4235-4238.	3.2	25
87	Ï‰-Halonitriles:â€‰ Domino Cyclizations to Oxa- and Carbocyclic Nitriles. Journal of Organic Chemistry, 2003, 68, 3943-3946.	3.2	16
88	Unsaturated Nitriles:Â Stereoselective MgO Eliminations. Journal of Organic Chemistry, 2002, 67, 3668-3672.	3.2	36
89	Cyclic Alkenenitriles:Â Chemoselective Oxonitrile Cyclizations. Journal of Organic Chemistry, 2002, 67, 9414-9416.	3.2	25
90	Alkynenitriles:â€‰ Chelation-Controlled Conjugate Additions. Organic Letters, 2002, 4, 659-661.	4.6	41

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91	Nitrile Anions:Â Solvent-Dependent Cyclizations. Journal of Organic Chemistry, 2002, 67, 2885-2888.	3.2	25
92	Alkenenitriles:â€‰ Annulations with Ï‰-Chloro Grignard Reagents. Organic Letters, 2002, 4, 2493-2495.	4.6	22
93	Î³-Hydroxy-Î±,Î²-alkenenitriles:Â Chelation-Controlled Conjugate Additions1. Journal of Organic Chemistry, 2002, 67, 5953-5956.	3.2	20
94	Nitrile anion cyclizations. Tetrahedron, 2002, 58, 1-23.	1.9	165
95	Flood Prevention by Recirculating Condenser Cooling Water. Journal of Chemical Education, 2001, 78, 946.	2.3	4
96	Deprotecting Dithiane-Containing Alkaloids. Journal of Organic Chemistry, 2001, 66, 6502-6504.	3.2	39
97	Hydroxylated Î±,Î²-Unsaturated Nitriles:Â Stereoselective Synthesis. Journal of Organic Chemistry, 2001, 66, 2171-2174.	3.2	20
98	Î±,Î²-Unsaturated nitriles: preparative MgO elimination. Tetrahedron Letters, 2000, 41, 8847-8851.	1.4	17
99	Î³-Hydroxy Unsaturated Nitriles:â€‰ Chelation-Controlled Conjugate Additions. Organic Letters, 2000, 2, 1477-1479.	4.6	27
100	Nitrile-containing natural products. Natural Product Reports, 1999, 16, 597-606.	10.3	529
101	Î²-Siloxy Unsaturated Nitriles:â€‰ Stereoselective Cyclizations to cis- and trans-Decalins. Organic Letters, 1999, 1, 1547-1550.	4.6	34
102	Unsaturated Oxoâ^'Nitriles:Â Stereoselective, Chelation-Controlled Conjugate Additions. Journal of Organic Chemistry, 1999, 64, 8568-8575.	3.2	12
103	Unsaturated Nitriles:â€‰ Precursors for a Domino Ozonolysisâ^'Aldol Synthesis of Oxonitriles. Journal of Organic Chemistry, 1999, 64, 2830-2834.	3.2	17
104	Unsaturated Nitriles:Â Optimized Coupling of the Chloroprene Grignard Reagent1with Ï‰-Bromonitriles. Journal of Organic Chemistry, 1997, 62, 7890-7891.	3.2	10
105	Unsaturated Nitriles:Â A Domino Ozonolysisâ^'Aldol Synthesis of Highly Reactive Oxonitriles. Journal of Organic Chemistry, 1997, 62, 3036-3037.	3.2	20
106	Î±,Î²-Unsaturated Nitriles:Â Stereoselective Conjugate Addition Reactions. Journal of Organic Chemistry, 1997, 62, 1305-1309.	3.2	39
107	Unsaturated Nitriles:â€‰ Conjugate Additionâ^'Silylation with Grignard Reagents. Journal of Organic Chemistry, 1997, 62, 4883-4885.	3.2	23
108	Fatty Acid Amide Biosynthesis: A Possible New Role for Peptidylglycine Î±-Amidating Enzyme and Acyl-Coenzyme A:GlycineN-Acyltransferase. Archives of Biochemistry and Biophysics, 1996, 330, 430-434.	3.0	64

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109	.alpha.,.beta.-Unsaturated Nitriles: An Efficient Conjugate Addition with Potassium Benzeneselenolate and Potassium Benzenesulfenylate. Journal of Organic Chemistry, 1995, 60, 4299-4301.	3.2	18
110	No Small Change: Simultaneously Introducing Cooperative Learning and Microscale Experiments in an Organic Lab Course. Journal of Chemical Education, 1995, 72, 719.	2.3	5
111	Improved Labelling Methods for C9-2H-Retronecine. Heterocycles, 1994, 38, 135.	0.7	4
112	Tin(IV)-catalyzed lactonization of Ï‰-Hydroxy trifluoroethyl esters. Tetrahedron Letters, 1993, 34, 3515-3518.	1.4	20
113	Palladium(0)-catalyzed conversion of vinyl trifluoromethanesulfonates into Î±,Î²-unsaturated nitriles. Canadian Journal of Chemistry, 1993, 71, 1867-1872.	1.1	11
114	Bifunctional conjunctive reagents: 5-chloro-2-lithio-1-pentene and related substances. A methylenecyclohexane annulation method. Canadian Journal of Chemistry, 1993, 71, 280-286.	1.1	24
115	Conversion of enol trifluoromethanesulphonates into Î±,Î²-unsaturated nitriles. Journal of the Chemical Society Chemical Communications, 1989, , 756-757.	2.0	9
116	Total synthesis of the trans-clerodane diterpenoid (Â±)-stephalic acid. Journal of the Chemical Society Chemical Communications, 1989, , 1665-1667.	2.0	9