Benoit Crousse

List of Publications by Year
in descending order

122	4,117	109321	138484
papers	citations	35 h-index	58 g-index

172	172	172	3961
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The fluorous effect in biomolecular applications. Chemical Society Reviews, 2012, 41, 31-42.	38.1	384
2	Fluoro-artemisinins: When a gem-difluoroethylene replaces a carbonyl group. Journal of Fluorine Chemistry, 2006, 127, 637-642.	1.7	160
3	Synthesis of 2-CF3-Tetrahydroquinoline and Quinoline Derivatives from CF3-N-Aryl-aldimine. Journal of Organic Chemistry, 2000, 65, 5009-5013.	3.2	136
4	Facile Ring Opening of Oxiranes with Aromatic Amines in Fluoro Alcohols. Journal of Organic Chemistry, 2000, 65, 6749-6751.	3.2	134
5	Fluorinated Alcohols: A New Medium for Selective and Clean Reaction. Synlett, 2004, 2004, 18-29.	1.8	132
6	Regioselective Halogenation of Arenes and Heterocycles in Hexafluoroisopropanol. Journal of Organic Chemistry, 2018, 83, 930-938.	3.2	121
7	Solvent-Promoted and -Controlled Aza-Michael Reaction with Aromatic Amines. Journal of Organic Chemistry, 2009, 74, 6260-6265.	3.2	113
8	The chemistry of trifluoromethyl imines and related acetals derived from fluoral. Chemical Society Reviews, 2005, 34, 562.	38.1	110
9	Synthesis of pyrazoles through catalyst-free cycloaddition of diazo compounds to alkynes. Green Chemistry, 2009, 11, 156-159.	9.0	98
10	Fluoroartemisinin: Trifluoromethyl Analogues of Artemether and Artesunate. Journal of Medicinal Chemistry, 2004, 47, 2694-2699.	6.4	92
11	Influence of the Structure of Polyfluorinated Alcohols on BrÃ¸nsted Acidity/Hydrogen-Bond Donor Ability and Consequences on the Promoter Effect. Journal of Organic Chemistry, 2011, 76, 1126-1133.	3.2	90
12	Fluorous tagging of DABCO through halogen bonding: recyclable catalyst for the Moritaâ€“Baylisâ€“Hillman reaction. Chemical Communications, 2011, 47, 5855.	4.1	84
13	Weakly ligated palladium complexes PdCl2(RCN)2 in piperidine: versatile catalysts for Sonogashira reaction of vinyl chlorides at room temperature. Journal of Organometallic Chemistry, 2001, 624, 114-123.	1.8	82
14	First Stereoselective Synthesis of cis 3-CF3-Aziridine-2-carboxylates. A Route to New (Trifluoromethyl) Î±-Functionalised Î²-Amino Acids. Synlett, 2001, 2001, 0679-0681.	1.8	67
15	Synthesis of tetrahydroquinoline derivatives from Î±-CF3-N-arylaldimine and vinyl ethers. Tetrahedron Letters, 1998, 39, 5765-5768.	1.4	61
16	Stereoselective Barbier-Type Allylation Reaction of Trifluoromethyl Aldimines. Journal of Organic Chemistry, 2003, 68, 6444-6446.	3.2	61
17	A stereoselective route to 1-chloro-1-halo-enynes, versatile precursors for the synthesis of chloroenediynes and enetriynes. Tetrahedron Letters, 1995, 36, 3687-3690.	1.4	58
18	Aza-Dielsâ€“Alder reaction in fluorinated alcohols. A one-pot synthesis of tetrahydroquinolines. Tetrahedron Letters, 2003, 44, 217-219.	1.4	56

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19	Direct access to CF3-propargyl amines and conversion to difluoromethyl imines. Tetrahedron Letters, 2005, 46, 2219-2221.	1.4	56
20	Orally Active Antimalarials: Hydrolytically Stable Derivatives of 10-Trifluoromethyl Anhydrodihydroartemisininâ€. Journal of Medicinal Chemistry, 2004, 47, 1423-1433.	6.4	54
21	Facile Access to Fluorinated Aryl and Vinyl Ethers through Copperâ€Catalysed Reaction of Fluoro Alcohols. European Journal of Organic Chemistry, 2009, 2009, 3513-3518.	2.4	54
22	Anhydrodihydroartemisinin and Its 10-Trifluoromethyl Analogue:Â Access to Novel D-Ring-Contracted Artemisinin Trifluoromethyl Ketones. Journal of Organic Chemistry, 2002, 67, 1253-1260.	3.2	53
23	Convenient one-pot synthesis of functionalized unsymmetrical (Z) or (E)-enediynes from (Z) or (E)-1,2-dichloroethylene. An efficient route to (Z,Z,Z) and (Z,E,Z)-trienes. Tetrahedron Letters, 1994, 35, 3543-3544.	1.4	50
24	Fluoro Artemisinins: Difluoromethylene Ketones. Journal of Organic Chemistry, 2001, 66, 7858-7863.	3.2	48
25	Analogues of Key Precursors of Aspartyl Protease Inhibitors:Â Synthesis of Trifluoromethyl Amino Epoxides. Journal of Organic Chemistry, 2005, 70, 699-702.	3.2	47
26	Nonmetal Catalyzed Insertion Reactions of Diazocarbonyls to Acid Derivatives in Fluorinated Alcohols. Organic Letters, 2011, 13, 692-695.	4.6	47
27	A crystalline H-bond cluster of hexafluoroisopropanol (HFIP) and piperidine. Journal of Fluorine Chemistry, 2007, 128, 839-843.	1.7	45
28	Fluorous 4â€N,Nâ€Dimethylaminopyridine (DMAP) Salts as Simple Recyclable Acylation Catalysts. Chemistry - A European Journal, 2010, 16, 1776-1779.	3.3	45
29	An efficient and robust fluoroketone catalyst epoxidation. Tetrahedron Letters, 2001, 42, 4463-4466.	1.4	43
30	Urea-Hydrogen Peroxide/Hexafluoro-2-propanol: An Efficient System for a Catalytic Epoxidation Reaction without a Metal. European Journal of Organic Chemistry, 2002, 2002, 3290-3293.	2.4	42
31	Hexafluoroâ€2â€propanol Promotes paraâ€Selective Câ€“H Amination of Free Anilines with Azodicarboxylates. European Journal of Organic Chemistry, 2017, 2017, 4753-4757.	2.4	41
32	Intramolecular Pd-Catalyzed Carbocyclization, Heck Reactions, and Aryl-Radical Cyclizations with Planar Chiral Arene Tricarbonyl Chromium Complexes. Journal of Organic Chemistry, 2001, 66, 1852-1860.	3.2	40
33	Facile Synthesis of Tetrahydroquinolines and Julolidines through ÂMulticomponent Reaction. Synlett, 2006, 2006, 1899-1902.	1.8	40
34	A stereocontrolled method for the synthesis of conjugated polyenes. Tetrahedron Letters, 1995, 36, 4245-4248.	1.4	38
35	Synthesis of fluorinated Î±,Î²-diamino esters by ring opening of activated 3-trifluoromethyl-aziridine-2-carboxylates. Tetrahedron Letters, 2006, 47, 2065-2068.	1.4	38
36	Synthesis of 2,3-unsaturated glycosides via metal-free Ferrier reaction. Tetrahedron, 2008, 64, 10497-10500.	1.9	38

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37	Vinylogous Mannich reactions. Additions of trimethylsilyloxyfuran to fluorinated aldimines. Tetrahedron Letters, 2004, 45, 5023-5025.	1.4	37
38	Designed Glycopeptidomimetics Disrupt Proteinâ€“Protein Interactions Mediating Amyloid Î²-Peptide Aggregation and Restore Neuroblastoma Cell Viability. Journal of Medicinal Chemistry, 2016, 59, 2025-2040.	6.4	37
39	The main and recent syntheses of the N-CF3 motif. Comptes Rendus Chimie, 2018, 21, 771-781.	0.5	35
40	Benefits of a Dual Chemical and Physical Activation: Direct aza-Michael Addition of Anilines Promoted by Solvent Effect under High Pressure. Journal of Organic Chemistry, 2015, 80, 10375-10379.	3.2	34
41	Synthesis of New Artemisinin-Derived Dimers by Self-Cross-Metathesis Reaction. Organic Letters, 2005, 7, 5219-5222.	4.6	33
42	A One-Pot Synthesis of Doubly Unsaturated Trifluoromethyl Amines:Easy Access to CF3-Substituted Piperidines. European Journal of Organic Chemistry, 2005, 2005, 1258-1265.	2.4	32
43	Synthesis of new trifluoromethyl peptidomimetics with a triazole moiety. Tetrahedron Letters, 2007, 48, 8360-8362.	1.4	32
44	Novel [1,2]- and [2,3]-Wittig Rearrangements of Î±-Benzyloxy Î²-CF3-Î²-lactam Enolates. Organic Letters, 2001, 3, 2529-2531.	4.6	30
45	Stereoselective approaches to (E,E,E) and (Z,E,E)-Î±-chloro-Ï‰-substituted hexatrienes: Synthesis of all E polyenes. Tetrahedron, 1999, 55, 4353-4368.	1.9	29
46	Self-Promoted Nucleophilic Addition of Hexafluoro-2-propanol to Vinyl Ethers. Advanced Synthesis and Catalysis, 2006, 348, 118-124.	4.3	29
47	Highly Stereoselective azaâ€Baylisâ€“Hillman Reactions of CF₃â€Sulfinylimines: Straightforward Access to Î±â€Methylene Î²â€CF₃ Î²â€Amino Acids. European Journal of Organic Chemistry, 2014, 2014, 3072-3075.	2.4	29
48	Synthesis of substituted 8-aminoquinolines and phenanthrolines through a Povarov approach. Organic and Biomolecular Chemistry, 2011, 9, 347-350.	2.8	28
49	Asymmetric Synthesis of Cyclic Fluorinated Amino Acids. European Journal of Organic Chemistry, 2018, 2018, 3688-3692.	2.4	28
50	Friedelâ€“Crafts alkylation reaction with fluorinated alcohols as hydrogen-bond donors and solvents. RSC Advances, 2018, 8, 10314-10317.	3.6	28
51	Bisulfate Salt-Catalyzed Friedelâ€“Crafts Benzylation of Arenes with Benzylic Alcohols. Journal of Organic Chemistry, 2018, 83, 14001-14009.	3.2	28
52	Total Stereocontrolled Synthesis of Lipoxin B4. Synlett, 1993, 1993, 217-218.	1.8	25
53	First Synthesis of 10Î±-(Trifluoromethyl)deoxoartemisinin. Organic Letters, 2002, 4, 757-759.	4.6	25
54	Preparation of 10-Trifluoromethyl Artemether and Artesunate. Influence of Hexafluoropropan-2-ol on Substitution Reaction. Journal of Organic Chemistry, 2003, 68, 9763-9766.	3.2	25

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55	Non Lewis acid catalysed epoxide ring opening with amino acid esters. Organic and Biomolecular Chemistry, 2009, 7, 2026.	2.8	25
56	A one-pot synthesis of 3-trifluoromethyl-2-isoxazolines from trifluoromethyl aldoxime. Beilstein Journal of Organic Chemistry, 2013, 9, 2387-2394.	2.2	24
57	Structureâ€“activity relationships of sugar-based peptidomimetics as modulators of amyloid Î²-peptide early oligomerization and fibrillization. European Journal of Medicinal Chemistry, 2014, 86, 752-758.	5.5	24
58	Design of fluoroketones as efficient reagents for epoxidation reactions in hexafluoropropan-2-ol. Tetrahedron, 2002, 58, 3993-3998.	1.9	23
59	Synthesis of fluorinated N-aminoaziridines: access to new CF3-peptidomimetics. Tetrahedron, 2012, 68, 7028-7034.	1.9	23
60	Access to novel functionalized trifluoromethyl Î²-lactams by ring expansion of aziridines. Organic and Biomolecular Chemistry, 2014, 12, 6345.	2.8	23
61	C-10-Fluorinated derivatives of dihydroartemisinin: difluoromethylene ketones. Tetrahedron Letters, 2001, 42, 1487-1489.	1.4	22
62	Synthesis and cytotoxic activity of fluorinated analogues of Goniothalamus lactones. Impact of fluorine on oxidative processes. European Journal of Medicinal Chemistry, 2010, 45, 3213-3218.	5.5	22
63	Aminocyclopropanes as precursors of endoperoxides with antimalarial activity. Organic and Biomolecular Chemistry, 2010, 8, 5591.	2.8	22
64	Electrophilic Amination of Fluoroalkyl Groups on Azodicarboxylate Derivatives. Journal of Organic Chemistry, 2015, 80, 1964-1971.	3.2	22
65	In vitro antileishmanial activity of fluoro-artemisinin derivatives against Leishmania donovani. Biomedicine and Pharmacotherapy, 2008, 62, 462-465.	5.6	20
66	A versatile to conjugated hydroxy (E, Z, E, E)-tetraenoic acids: highly chemo- and stereoselective synthesis of lipoxin B4. Tetrahedron: Asymmetry, 1997, 8, 2949-2958.	1.8	19
67	Î±- and Î²-hydrazino acid-based pseudopeptides inhibit the chymotrypsin-like activity of the eukaryotic 20S proteasome. European Journal of Medicinal Chemistry, 2013, 70, 505-524.	5.5	19
68	Stereocontrolled synthesis of (E,E,E)-chlorotrienes: Efficient intermediates for the construction of all E conjugated polyenes. Tetrahedron Letters, 1997, 38, 5297-5300.	1.4	18
69	From Planar Chiral o-Chloro and o-Iodo Benzaldehyde Tricarbonyl Chromium Complexes to Enantiopure Fused Hydroisoquinolines and Hydroquinolines. Synlett, 1999, 1999, 626-628.	1.8	17
70	Allylic bromination of anhydrodihydroartemisinin and of its 10-trifluoromethyl analogue: a new access to 16-substituted artemisinin derivatives. Tetrahedron Letters, 2002, 43, 7837-7840.	1.4	17
71	Access to novel amino trifluoromethyl cyclopropane carboxylic acid derivatives. Tetrahedron, 2013, 69, 3308-3315.	1.9	16
72	Stereoselective Reduction of Conjugated Homopropargylic Alcohols to (E)-Homoallylic Alcohols by Sodium Bis(2-methoxyethoxy) Aluminium Hydride. Synlett, 1997, 1997, 992-994.	1.8	15

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73	Synthesis of N-CF₃ hydrazines through radical trifluoromethylation of azodicarboxylates. Chemical Communications, 2021, 57, 10351-10354.	4.1	15
74	Intramolecular Pd Catalyzed Carbocyclization Reactions with Planar Chiral Arene Tricarbonyl Chromium Complexes. Synlett, 1998, 1998, 658-660.	1.8	14
75	Synthesis of (Trifluoromethyl)aziridines in 1,1,1,3,3,3-Hexafluoropropan-2-ol: First Example of Coupling Reactions of Fluoral, an Amine and a Diazo Compound. Collection of Czechoslovak Chemical Communications, 2002, 67, 1359-1365.	1.0	14
76	Improved Ritter reaction with CF3-containing oxirane for an access to central units of protease inhibitors. Tetrahedron Letters, 2009, 50, 857-859.	1.4	14
77	Diastereoselective Ti-mediated preparation of bicyclic aminocyclopropanes from N-alkenyl amides. Tetrahedron Letters, 2009, 50, 5367-5371.	1.4	14
78	Carbonylhydrazide-Based Molecular Tongs Inhibit Wild-Type and Mutated HIV-1 Protease Dimerization. Journal of Medicinal Chemistry, 2012, 55, 6762-6775.	6.4	14
79	¹⁹F NMR monitoring of the eukaryotic 20S proteasome chymotrypsin-like activity: an investigative tool for studying allosteric regulation. Organic and Biomolecular Chemistry, 2014, 12, 4576-4581.	2.8	14
80	SN/SNâ€˜ Competition:Â Selective Access to New 10-Fluoro Artemisinins. Journal of Organic Chemistry, 2006, 71, 3082-3085.	3.2	13
81	Stereoselective Access to Substituted [(E)â€•or (Z)â€‰â€(Trifluoromethyl)allyl]amines. European Journal of Organic Chemistry, 2008, 2008, 1527-1534.	2.4	13
82	Synthesis of new triazole-based trifluoromethyl scaffolds. Beilstein Journal of Organic Chemistry, 2008, 4, 19.	2.2	13
83	Polyfluorinated mercaptoalcohol as a H-bond modifier of poly(2,3,4,5,6-pentafluorostyrene) (PPFS) enhancing miscibility of hydroxylated-PPFS with various acceptor polymers. Polymer, 2013, 54, 3757-3766.	3.8	12
84	Direct Amination of Arenes with Azodicarboxylates Catalyzed by Bisulfate Salt/HFIP Association. ACS Omega, 2019, 4, 8960-8966.	3.5	12
85	Trifluoromethyl nitrones: from fluoral to optically active hydroxylamines. Organic and Biomolecular Chemistry, 2010, 8, 3025.	2.8	11
86	Transition metal-catalyzed cyclopropanation of alkenes in fluorinated alcohols. Journal of Fluorine Chemistry, 2011, 132, 811-814.	1.7	11
87	Palladium-catalyzed reaction of functionalized Î²-trifluoromethyl vinyl bromides with terminal alkynes and alkenes. Journal of Fluorine Chemistry, 2001, 107, 121-125.	1.7	10
88	Trifluoromethylcyclohexane as a new solvent? Limits of use. Tetrahedron, 2002, 58, 4067-4070.	1.9	10
89	Trifluoro analog of Hagemannâ€™s ester: access to angularly CF3-substituted heterobicyclic compounds. Journal of Fluorine Chemistry, 2002, 117, 137-141.	1.7	10
90	Fluorous analogues of DMAP (F-DMAP): Reusable organocatalysts for acylation reaction. Journal of Fluorine Chemistry, 2008, 129, 974-977.	1.7	10

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91	Straightforward synthesis of 2-propylquinolines under multicomponent conditions in fluorinated alcohols. Journal of Fluorine Chemistry, 2013, 152, 94-98.	1.7	10
92	Reactivity of carbon dioxide in hydrofluoroethers: a facile access to cyclic carbonates. Chemical Communications, 2015, 51, 12736-12739.	4.1	10
93	Synthesis of newÎ±-hydroxyphosphonates andÎ±-acetoxyphosphonates. Synthetic Communications, 2018, 48, 1199-1205.	2.1	10
94	Solubility switch of gold nanoparticles through hydrogen bond association. Chemical Communications, 2008, , 4954.	4.1	9
95	One-pot synthesis of new highly substituted allylic phosphorodiamidates. Journal of Fluorine Chemistry, 2016, 189, 96-101.	1.7	9
96	N-Difluoromethyl-triazole as a constrained scaffold in peptidomimetics. Chemical Communications, 2017, 53, 5024-5027.	4.1	9
97	An Overview of 4â€•and 5â€Haloâ€1,2,3â€triazoles from Cycloaddition Reactions. European Journal of Organic Chemistry, 2021, 2021, 2665-2679.	2.4	9
98	Synthesis of New Trifluoromethylated Hydroxyethylamineâ€Based Scaffolds. European Journal of Organic Chemistry, 2009, 2009, 5215-5223.	2.4	8
99	Synthesis of Î±-CF3 azanorbornene and azetidines by aza Dielsâ€“Alder or iodine-mediated cyclizations: application in ROMP and ligand design. Tetrahedron Letters, 2014, 55, 6339-6342.	1.4	8
100	Towards a general synthesis of di-aza-amino acids containing peptides. New Journal of Chemistry, 2018, 42, 17062-17072.	2.8	6
101	Reactions of Unsaturated Organometallic Reagents on Trifluoroacetaldimines. ACS Symposium Series, 2005, , 412-428.	0.5	4
102	Self-assembly between 1,4-diazabicyclo[2.2.2]octane and bis(hexafluoroalcohols): solid/liquid phase switching for catalyst recycling. Catalysis Science and Technology, 2012, 2, 934.	4.1	4
103	Regioselective alkylation of the trifluoromethyl analog of Hagemannâ€™s ester. Journal of Fluorine Chemistry, 2001, 108, 91-94.	1.7	3
104	Preparation, characterization and solution behavior of Î±-hydroxyphosphonate complexes with tin tetrachloride. Journal of Molecular Structure, 2018, 1167, 248-254.	3.6	3
105	Fluorinated Triazole Foldamers: Folded or Extended Conformational Preferences. ChemPlusChem, 2021, 86, 241-251.	2.8	3
106	Î²-chlorovinylaldehydes as intermediates in the synthesis of new substituted Î²â€“fluoroalkoxyvinyl aldehydes and corresponding alcohols. Journal of Fluorine Chemistry, 2021, 248, 109837.	1.7	3
107	Uncatalysed Domino Reaction in Hexafluoroisopropanol: A Simple Protocol for the Synthesis of Tetrahydroquinoline Derivatives. Synthesis, 2003, 2003, 2231-2235.	2.3	2
108	Direct Access to Substituted 4-CF3 Î²-Lactams at the C-3 Position. Frontiers in Chemistry, 2019, 7, 526.	3.6	2

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109	New 10-Trifluoromethyl Monomers, Dimers, and Chimeras of Artemisinin from a Key Allyl Bromide Precursor. ACS Symposium Series, 2007, , 337-351.	0.5	1
110	The use of 4,4,4-trifluorothreonine to stabilize extended peptide structures and mimic Î²-strands. Beilstein Journal of Organic Chemistry, 2017, 13, 2842-2853.	2.2	1
111	Urea-Hydrogen Peroxide/Hexafluoro-2-propanol: An Efficient System for a Catalytic Epoxidation Reaction Without a Metal.. ChemInform, 2003, 34, no.	0.0	0
112	Synthesis of (Trifluoromethyl)aziridines in 1,1,1,3,3,3-Hexafluoropropan-2-ol: First Example of Coupling Reactions of Fluoral, an Amine and a Diazo Compound.. ChemInform, 2003, 34, no.	0.0	0
113	Aza-Dielsâ€"Alder Reaction in Fluorinated Alcohols. A One-Pot Synthesis of Tetrahydroquinolines.. ChemInform, 2003, 34, no.	0.0	0
114	Stereoselective Barbier-Type Allylation Reaction of Trifluoromethyl Aldimines.. ChemInform, 2003, 34, no.	0.0	0
115	Vinylogous Mannich Reactions. Additions of Trimethylsilyloxyfuran to Fluorinated Aldimines.. ChemInform, 2004, 35, no.	0.0	0
116	Direct Access to CF3-Propargyl Amines and Conversion to Difluoromethyl Imines.. ChemInform, 2005, 36, no.	0.0	0
117	A One-Pot Synthesis of Doubly Unsaturated Trifluoromethyl Amines: Easy Access to CF3-Substituted Piperidines.. ChemInform, 2005, 36, no.	0.0	0
118	Selective and Clean Reactions in Fluorinated Alcohols. ChemInform, 2005, 36, no.	0.0	0
119	The Chemistry of Trifluoromethyl Imines and Related Acetals Derived from Fluoral. ChemInform, 2005, 36, no.	0.0	0
120	Barbier Conditions for Reformatsky and Alkylation Reactions on Trifluoromethyl Aldimines. Synlett, 2008, 2008, 399-401.	1.8	0
121	Direct Access to Fluorinated Sulfonylhydrazides and Study of Their Reactivity in Thiolation Reaction on Indoles. Helvetica Chimica Acta, 2022, 105, .	1.6	0
122	A one-pot synthesis and X-Ray structural characterization of new highly substituted-allyl carbamates. Journal of Molecular Structure, 2022, 1258, 132548.	3.6	0