Thierry Brigaud

List of Publications by Year in descending order

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70 2,171 26 44
papers citations h-index g-index

97 97 97 1406
all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	(<i>R</i>)â€Î±â€Trifluoromethylalanine as a ¹⁹ F NMR Probe for the Monitoring of Protease Digestion of Peptides. ChemBioChem, 2022, 23, .	2.6	3
2	Introducing the Chiral Constrained αâ€Trifluoromethylalanine in Aib Foldamers to Control, Quantify and Assign the Helical Screwâ€Sense**. Chemistry - A European Journal, 2022, 28, .	3.3	3
3	Synthesis of enantiopure α-Tfm-proline and α-Tfm-pipecolic acid from oxazolo-pyrrolidines and -piperidines. Organic and Biomolecular Chemistry, 2021, 19, 6771-6775.	2.8	3
4	Enantiopure 5-CF ₃ â€"Proline: Synthesis, Incorporation in Peptides, and Tuning of the Peptide Bond Geometry. Organic Letters, 2021, 23, 382-387.	4.6	7
5	Enantiopure α-Trifluoromethylated Aziridine-2-carboxylic Acid (α-TfmAzy): Synthesis and Peptide Coupling. Organic Letters, 2020, 22, 2946-2949.	4.6	9
6	Trifluoromethylated Proline Surrogates as Part of "Pro–Pro―Turnâ€Inducing Templates. ChemBioChem, 2019, 20, 2513-2518.	2.6	13
7	CF ₂ H as a hydrogen bond donor group for the fine tuning of peptide bond geometry with difluoromethylated pseudoprolines. Chemical Communications, 2019, 55, 12487-12490.	4.1	19
8	Probing the Outstanding Local Hydrophobicity Increases in Peptide Sequences Induced by Incorporation of Trifluoromethylated Amino Acids. ChemBioChem, 2018, 19, 1026-1030.	2.6	15
9	Trifluoromethylated proline analogues as efficient tools to enhance the hydrophobicity and to promote passive diffusion transport of the <scp> </scp> -prolyl- <scp> </scp> -leucyl glycinamide (PLG) tripeptide. RSC Advances, 2018, 8, 14597-14602.	3.6	25
10	Orthogonal ¹⁹ Fâ€Labeling for Solidâ€State NMR Spectroscopy Reveals the Conformation and Orientation of Short Peptaibols in Membranes. Chemistry - A European Journal, 2018, 24, 4328-4335.	3.3	14
11	Stereoselective synthesis of 4-hydroxymethyl-1,3-oxazolidin-2-one derivatives from novel 2-hydroxymethylaziridines. Synthetic Communications, 2018, 48, 2242-2252.	2.1	5
12	Structural Behavior of the Peptaibol Harzianin HK VI in a DMPC Bilayer: Insights from MD Simulations. Biophysical Journal, 2017, 112, 2602-2614.	0.5	8
13	Homochiral versus Heterochiral Trifluoromethylated Pseudoproline Containing Dipeptides: A Powerful Tool to Switch the Prolyl-Amide Bond Conformation. Journal of Organic Chemistry, 2017, 82, 13602-13608.	3.2	18
14	Tailored Approaches towards the Synthesis of <scp> < scp>â€<i>S< i>â€(Trifluoromethyl)cysteine―and <scp> < scp>å€Trifluoromethionineâ€Containing Peptides. European Journal of Organic Chemistry, 2017, 2017, 246-251.</scp></i></scp>	2.4	11
15	Incorporation of Trifluoromethylated Proline and Surrogates into Peptides: Application to the Synthesis of Fluorinated Analogues of the Neuroprotective Glycine-Proline-Glutamate (GPE) Tripeptide. Journal of Organic Chemistry, 2016, 81, 5381-5392.	3.2	17
16	Synthesis of protected enantiopure (R) and (S)-α-trifluoromethylalanine containing dipeptide building blocks ready to use for solid phase peptide synthesis. Amino Acids, 2016, 48, 1457-1468.	2.7	13
17	(<i>R</i>)â€Î±â€trifluoromethylalanine containing short peptide in the inhibition of amyloid peptide fibrillation. Biopolymers, 2015, 104, 601-610.	2.4	18
18	Straightforward Synthesis of Novel Enantiopure \hat{l}_{\pm} -Trifluoromethylated Azetidine 2-Carboxylic Acid and Homoserines. Organic Letters, 2015, 17, 342-345.	4.6	28

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19	Synthesis of Enantiopure <i>trans</i> -2,5-Disubstituted Trifluoromethylpyrrolidines and (2 <i>S</i> ,5 <i>R</i>)-5-Trifluoromethylproline. Journal of Organic Chemistry, 2015, 80, 2700-2708.	3.2	26
20	First example of ring carbomer of 1,4-cyclohexadiene. French-Ukrainian Journal of Chemistry, 2015, 3, 60-65.	0.4	6
21	Incorporation of CF ₃ –Pseudoprolines into Peptides: AÂMethodological Study. Journal of Organic Chemistry, 2013, 78, 10144-10153.	3.2	23
22	Synthesis of an MIF-1 analogue containing enantiopure (S)- \hat{l} ±-trifluoromethyl-proline and biological evaluation on nociception. European Journal of Medicinal Chemistry, 2013, 62, 122-129.	5 . 5	36
23	Conformational properties of peptides incorporating a fluorinated pseudoproline residue. New Journal of Chemistry, 2013, 37, 1336.	2.8	9
24	Crystallization-Induced Dynamic Resolution of Fox Chiral Auxiliary and Application to the Diastereoselective Electrophilic Fluorination of Amide Enolates. Journal of Organic Chemistry, 2013, 78, 3487-3492.	3.2	27
25	Highly Diastereoselective Synthesis of Enantiopure \hat{l}^2 -Trifluoromethyl \hat{l}^2 -Amino Alcohols from Chiral Trifluoromethyl Oxazolidines (Fox). Organic Letters, 2012, 14, 604-607.	4.6	18
26	Local Control of the <i>Cis</i> – <i>Trans</i> Isomerization and Backbone Dihedral Angles in Peptides Using Trifluoromethylated Pseudoprolines. Journal of Physical Chemistry B, 2012, 116, 4069-4079.	2.6	24
27	2-Trifluoromethyl-2-methyl-4-phenyloxazolidine: A new chiral auxiliary for highly diastereoselective enolate alkylation. Journal of Fluorine Chemistry, 2012, 134, 122-127.	1.7	6
28	Synthesis of trifluoromethyl cyclohexyl, cyclohexenyl and aryl compounds via stepwise Robinson annulation. Organic and Biomolecular Chemistry, 2011, 9, 600-603.	2.8	13
29	Concise synthesis of enantiopure (S)- and (R)- \hat{l} ±-trifluoromethyl aspartic acid and \hat{l} ±-trifluoromethyl serine from chiral trifluoromethyl oxazolidines (Fox) via a Strecker-type reaction. Tetrahedron: Asymmetry, 2011, 22, 309-314.	1.8	19
30	Straightforward synthesis of enantiopure (R)- and (S)-trifluoroalaninol. Organic and Biomolecular Chemistry, 2010, 8, 4540.	2.8	9
31	Highly Diastereoselective α-Hydroxylation of Fox Chiral Auxiliary-Based Amide Enolates with Molecular Oxygen. Organic Letters, 2010, 12, 1496-1499.	4.6	48
32	Synthesis of 2-Trifluoromethyl-1,3-oxazolidines as Hydrolytically Stable Pseudoprolines. Journal of Organic Chemistry, 2010, 75, 4135-4145.	3.2	41
33	Convenient Synthesis of <i>N</i> â€Terminal Tfmâ€Dipeptides from Unprotected Enantiopure αâ€Tfmâ€Proline and αâ€Tfmâ€Alanine. European Journal of Organic Chemistry, 2009, 2009, 5717-5724.	2.4	45
34	Asymmetric aldol reactions using chiral CF3-Oxazolidines (Fox) as chiral auxiliary. Journal of Fluorine Chemistry, 2009, 130, 1140-1144.	1.7	10
35	lodocyclization of Chiral CF3-Allylmorpholinones: A Versatile Strategy for the Synthesis of Enantiopure α-Tfm-Prolines and α-Tfm-Dihydroxyprolines. Organic Letters, 2009, 11, 209-212.	4.6	58
36	Fluorineâ‹â‹â‹ and Ï€â‹â‹â‹Alkali Metal Interactions Control in the Stereoselective Amide Enolate Alkyla Fluorinated Oxazolidines (Fox) as a Chiral Auxiliary: An Experimental and Theoretical Study. Chemistry - A European Journal, 2008, 14, 3363-3370.	ition with 3.3	34

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37	Concise access to enantiopure (S)- and (R)- \hat{l} ±-trifluoromethyl pyroglutamic acids from ethyl trifluoropyruvate-based chiral CF3-oxazolidines (Fox). Journal of Fluorine Chemistry, 2008, 129, 1104-1109.	1.7	35
38	Umpolung Reactivity of Difluoroenol Silyl Ethers with Amines and Amino Alcohols. Application to the Synthesis of Enantiopure α-Difluoromethyl Amines and Amino Acids. Journal of Organic Chemistry, 2008, 73, 2564-2569.	3.2	29
39	Highly Diastereoselective Synthetic Route to Enantiopure \hat{l}^2 2-Amino Acids and \hat{l}^3 -Amino Alcohols Using a Fluorinated Oxazolidine (Fox) as Chiral Auxiliary. Journal of Organic Chemistry, 2008, 73, 3970-3973.	3.2	38
40	Synthesis of Enantiopure (S)- and (R)-α-Trifluoromethyl Proline. Synfacts, 2007, 2007, 0249-0249.	0.0	0
41	Concise Synthesis of Enantiopure α-Trifluoromethyl Alanines, Diamines, and Amino Alcohols via the Strecker-type Reaction. Journal of Organic Chemistry, 2006, 71, 7075-7078.	3.2	73
42	Convenient Asymmetric Synthesis of \hat{l}^2 -Trifluoromethyl- \hat{l}^2 -amino Acid, \hat{l}^2 -Amino Ketones, and \hat{l}^3 -Amino Alcohols via Reformatsky and Mannich-Type Reactions from 2-Trifluoromethyl-1,3-oxazolidines. Journal of Organic Chemistry, 2006, 71, 2159-2162.	3.2	74
43	Straightforward Synthesis of (S)- and (R)- $\hat{l}\pm$ -Trifluoromethyl Proline from Chiral Oxazolidines Derived from Ethyl Trifluoropyruvate. Organic Letters, 2006, 8, 6123-6126.	4.6	79
44	Chiral 4-Phenyl-2-trifluoromethyloxazolidine: A High-Performance Chiral Auxiliary for the Alkylation of Amides. Angewandte Chemie - International Edition, 2006, 45, 3677-3681.	13.8	34
45	Highly diastereoselective addition of organometallic reagents to a trifluoroacetaldehyde hydrazone derived from (R)-N-benzylphenylglycinol. Tetrahedron Letters, 2005, 46, 4761-4764.	1.4	20
46	Mild Synthesis of β-Amino-α,α-difluoro Ketones from Acylsilanes and Trifluoromethyltrimethylsilane in a One-Pot Imino Aldol Reaction. European Journal of Organic Chemistry, 2005, 2005, 4304-4312.	2.4	48
47	Lewis acid activation of chiral 2-trifluoromethyl-1,3-oxazolidines. Application to the stereoselective synthesis of trifluoromethylated amines, \hat{l}_{\pm} - and \hat{l}_{\pm} -amino acids. Tetrahedron Letters, 2002, 43, 2827-2830.	1.4	72
48	Mixed Organofluorineâ^'Organosilicon Chemistry. 13. One-Pot Synthesis of Difluoroaldols from Acylsilanes and Trifluoromethyltrimethylsilane. Application to the Synthesis of a Difluoro Analogue of Egomaketone. Journal of Organic Chemistry, 2001, 66, 1941-1946.	3.2	64
49	Acetyltrimethylsilane, Trifluoromethyltrimethylsilane, and Prenyl Esters:Â A Three-Component System for the Synthesis ofgem-Difluoroanalogues of Monoterpenes. Journal of Organic Chemistry, 2001, 66, 4348-4351.	3.2	20
50	C-10-Fluorinated derivatives of dihydroartemisinin: difluoromethylene ketones. Tetrahedron Letters, 2001, 42, 1487-1489.	1.4	22
51	Reactions of Difluoroenoxysilanes with Glycosyl Donors: Synthesis of Difluoro-C-glycosides and Difluoro-C-disaccharides. Chemistry - A European Journal, 2001, 7, 903-909.	3.3	45
52	Mixed Organofluorineâ€"Organosilicon Chemistry. Part 13. Oneâ€Pot Synthesis of Difluoroaldols from Acylsilanes and Trifluoromethyltrimethylsilane. Application to the Synthesis of a Difluoro Analogue of Egomaketone ChemInform, 2001, 32, 68-68.	0.0	0
53	Convergent synthesis of fluoro and gem-difluoro compounds using trifluoromethyltrimethylsilane. Journal of Fluorine Chemistry, 2000, 101, 193-198.	1.7	30
54	Formation and properties of Langmuir and Gibbs monolayers: a comparative study using hydrogenated and partially fluorinated amphiphilic derivatives of mannitol. Chemistry and Physics of Lipids, 2000, 105, 71-91.	3.2	26

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55	Aldol Reactions of Acylsilanes and Difluoroenoxysilanes. Application to the Synthesis of 2-Fluoro-1,3-diketones. Synlett, 1999, 1999, 432-434.	1.8	28
56	Mixed organofluorine-organosilicon chemistry. 10. Allylation and benzylation of difluoroenoxysilanes. Application to the synthesis of gem -difluoroterpene analogues. Tetrahedron, 1999, 55, 7233-7242.	1.9	32
57	Mixed organofluorine-organosilicon chemistry. 8. One-pot synthesis of 2,2-difluoro-1,5 diketones from acylsilanes, trifluoromethyltrimethylsilane and enones, and their annulation reaction. Tetrahedron, 1998, 54, 5939-5948.	1.9	63
58	Tandem radical trifluoromethylation—nucleophilic cyclization of a glucose-derived ketene dithioacetal. Synthesis of 5-deoxy-5-C-trifluoromethyl-aldurono-6,3-lactones. Journal of Fluorine Chemistry, 1998, 91, 179-183.	1.7	14
59	Radical Trifluoromethylation of a d-Mannose Derived Ketene Dithioacetal. Synthesis of 2-C-Trifluoromethyl Derivatives of d-glycero-d-galacto- and d-glycero-d-talo-Heptopyranose. Journal of Organic Chemistry, 1997, 62, 9107-9113.	3.2	35
60	Sequential radical perfluoroalkylation - nucleophilic cyclization. Synthesis of 2-perfluoroalkylidenemethyl and 2-perfluoroalkylmethyl-1,4-dioxanes from 1-O-allyl-1,2-diols. Tetrahedron, 1996, 52, 6187-6200.	1.9	17
61	Mixed organofluorine - organosilicon chemistry. 6. Synthesis of gem-difluoro-C-glycosides and C-disaccharides from acylsilanes and trifluoromethyltrimethylsilane. An exploratory study. Tetrahedron Letters, 1996, 37, 6115-6116.	1.4	41
62	Fluorinated ketene dithioacetals. Tetrahedron Letters, 1994, 35, 1985-1988.	1.4	16
63	Synthesis of difluoroenoxysilanes from acylsilanes and trifluoromethyltrimethylsilane (TFMTMS). Dramatic effect of the catalytic fluoride source. Journal of the Chemical Society Chemical Communications, 1994, , 2117.	2.0	73
64	New and efficient approaches to the semisynthesis of taxol and its C-13 side chain analogs by means of \hat{l}^2 -lactam synthon method. Tetrahedron, 1992, 48, 6985-7012.	1.9	325
65	New and efficient routes to norstatine and its analogs with high enantiomeric purity by \hat{l}^2 -Lactam Synthon Method. Tetrahedron Letters, 1992, 33, 5737-5740.	1.4	42
66	OXIDATIVE FLUORINATION OF SULFIDES IN PRESENCE OF Et3N,3HF. Phosphorus, Sulfur and Silicon and the Related Elements, 1991, 59, 153-156.	1.6	7
67	Oxidative fluorination of sulfides in presence of Et3N.3HF. Tetrahedron Letters, 1990, 31, 2287-2290.	1.4	78
68	Trifluoromethylated proline surrogates as part of â€~Pro-Pro' turn-inducingtemplates for the design of b -hairpin mimetics. , 0, , .		0
69	Use of Trifluoromethylated Pseudoprolines for the Design of Collagen Triple Helix containing Unusual C(5)-Substituted Proline Surrogates. , 0, , .		0
70	New insights into the structural and dynamics properties of collagen model peptides using CD spectroscopy, MD simulations and innovative NMR approaches. , 0, , .		0