

Thierry Brigaud

List of Publications by Year in descending order

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70
papers

2,171
citations

218677
26
h-index

243625
44
g-index

97
all docs

97
docs citations

97
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	(<i>R</i>)- α -Trifluoromethylalanine as a ^{19}F NMR Probe for the Monitoring of Protease Digestion of Peptides. <i>ChemBioChem</i> , 2022, 23, .	2.6	3
2	Introducing the Chiral Constrained α -Trifluoromethylalanine in Aib Foldamers to Control, Quantify and Assign the Helical Screw Sense**. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
3	Synthesis of enantiopure β -Tfm-proline and β -Tfm-pipecolic acid from oxazolo-pyrrolidines and -piperidines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6771-6775.	2.8	3
4	Enantiopure 5-CF ₃ -Proline: Synthesis, Incorporation in Peptides, and Tuning of the Peptide Bond Geometry. <i>Organic Letters</i> , 2021, 23, 382-387.	4.6	7
5	Enantiopure β -Trifluoromethylated Aziridine-2-carboxylic Acid (β -TfmAzy): Synthesis and Peptide Coupling. <i>Organic Letters</i> , 2020, 22, 2946-2949.	4.6	9
6	Trifluoromethylated Proline Surrogates as Part of α -Pro β -Turn-Inducing Templates. <i>ChemBioChem</i> , 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 pseudoproline. <i>Chemical Communications</i> , 2019, 55, 12487-12490.	4.1	19
8	Probing the Outstanding Local Hydrophobicity Increases in Peptide Sequences Induced by Incorporation of Trifluoromethylated Amino Acids. <i>ChemBioChem</i> , 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 γ -prolyl- α -leucyl glycineamide (PLG) tripeptide. <i>RSC Advances</i> , 2018, 8, 14597-14602.	3.6	25
10	Orthogonal ^{19}F -Labeling for Solid-State NMR Spectroscopy Reveals the Conformation and Orientation of Short Peptaibols in Membranes. <i>Chemistry - A European Journal</i> , 2018, 24, 4328-4335.	3.3	14
11	Stereoselective synthesis of 4-hydroxymethyl-1,3-oxazolidin-2-one derivatives from novel 2-hydroxymethylaziridines. <i>Synthetic Communications</i> , 2018, 48, 2242-2252.	2.1	5
12	Structural Behavior of the Peptaibol Harzianin HK VI in a DMPC Bilayer: Insights from MD Simulations. <i>Biophysical Journal</i> , 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. <i>Journal of Organic Chemistry</i> , 2017, 82, 13602-13608.	3.2	18
14	Tailored Approaches towards the Synthesis of α -(Trifluoromethyl)cysteine- and α -Trifluoromethionine-Containing Peptides. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 246-251.	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. <i>Journal of Organic Chemistry</i> , 2016, 81, 5381-5392.	3.2	17
16	Synthesis of protected enantiopure (R) and (S)- β -trifluoromethylalanine containing dipeptide building blocks ready to use for solid phase peptide synthesis. <i>Amino Acids</i> , 2016, 48, 1457-1468.	2.7	13
17	(<i>R</i>)- α -Trifluoromethylalanine containing short peptide in the inhibition of amyloid peptide fibrillation. <i>Biopolymers</i> , 2015, 104, 601-610.	2.4	18
18	Straightforward Synthesis of Novel Enantiopure β -Trifluoromethylated Azetidine 2-Carboxylic Acid and Homoserines. <i>Organic Letters</i> , 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 "Pseudoproline" into Peptides: A Methodological Study. Journal of Organic Chemistry, 2013, 78, 10144-10153.	3.2	23
22	Synthesis of an MIF-1 analogue containing enantiopure (S)- \pm -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 \pm -Trifluoromethyl \pm -Amino Alcohols from Chiral Trifluoromethyl Oxazolidines (Fox). Organic Letters, 2012, 14, 604-607.	4.6	18
26	Local Control of the <i>Cis</i> "Trans" Isomerization and Backbone Dihedral Angles in Peptides Using Trifluoromethylated Pseudoproline. 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)- \pm -trifluoromethyl aspartic acid and \pm -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 \pm -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 Pseudoproline. Journal of Organic Chemistry, 2010, 75, 4135-4145.	3.2	41
33	Convenient Synthesis of <i>N</i> -Terminal Tfm-Dipeptides from Unprotected Enantiopure \pm -Tfm-Proline and \pm -Tfm-Alanine. European Journal of Organic Chemistry, 2009, 2009, 5717-5724.	2.4	45
34	Asymmetric aldol reactions using chiral CF ₃ -Oxazolidines (Fox) as chiral auxiliary. Journal of Fluorine Chemistry, 2009, 130, 1140-1144.	1.7	10
35	Iodocyclization of Chiral CF ₃ -Allylmorpholinones: A Versatile Strategy for the Synthesis of Enantiopure \pm -Tfm-Proline and \pm -Tfm-Dihydroxyproline. Organic Letters, 2009, 11, 209-212.	4.6	58
36	Fluorine... and I...Alkali Metal Interactions Control in the Stereoselective Amide Enolate Alkylation with Fluorinated Oxazolidines (Fox) as a Chiral Auxiliary: An Experimental and Theoretical Study. Chemistry - A European Journal, 2008, 14, 3363-3370.	3.3	34

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37	Concise access to enantiopure (S)- and (R)-1-trifluoromethyl pyroglutamic acids from ethyl trifluoropyruvate-based chiral CF ₃ -oxazolidines (Fox). <i>Journal of Fluorine Chemistry</i> , 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 1-Difluoromethyl Amines and Amino Acids. <i>Journal of Organic Chemistry</i> , 2008, 73, 2564-2569.	3.2	29
39	Highly Diastereoselective Synthetic Route to Enantiopure 2-Amino Acids and 3-Amino Alcohols Using a Fluorinated Oxazolidine (Fox) as Chiral Auxiliary. <i>Journal of Organic Chemistry</i> , 2008, 73, 3970-3973.	3.2	38
40	Synthesis of Enantiopure (S)- and (R)-1-Trifluoromethyl Proline. <i>Synfacts</i> , 2007, 2007, 0249-0249.	0.0	0
41	Concise Synthesis of Enantiopure 1-Trifluoromethyl Alanines, Diamines, and Amino Alcohols via the Strecker-type Reaction. <i>Journal of Organic Chemistry</i> , 2006, 71, 7075-7078.	3.2	73
42	Convenient Asymmetric Synthesis of 2-Trifluoromethyl-2-amino Acid, 2-Amino Ketones, and 3-Amino Alcohols via Reformatsky and Mannich-Type Reactions from 2-Trifluoromethyl-1,3-oxazolidines. <i>Journal of Organic Chemistry</i> , 2006, 71, 2159-2162.	3.2	74
43	Straightforward Synthesis of (S)- and (R)-1-Trifluoromethyl Proline from Chiral Oxazolidines Derived from Ethyl Trifluoropyruvate. <i>Organic Letters</i> , 2006, 8, 6123-6126.	4.6	79
44	Chiral 4-Phenyl-2-trifluoromethyloxazolidine: A High-Performance Chiral Auxiliary for the Alkylation of Amides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3677-3681.	13.8	34
45	Highly diastereoselective addition of organometallic reagents to a trifluoroacetaldehyde hydrazone derived from (R)-N-benzylphenylglycinol. <i>Tetrahedron Letters</i> , 2005, 46, 4761-4764.	1.4	20
46	Mild Synthesis of 2-Amino-1,1-difluoro Ketones from Acylsilanes and Trifluoromethyltrimethylsilane in a One-Pot Imino Aldol Reaction. <i>European Journal of Organic Chemistry</i> , 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, 1- and 2-amino acids. <i>Tetrahedron Letters</i> , 2002, 43, 2827-2830.	1.4	72
48	Mixed Organofluorine/Organosilicon Chemistry. 13. One-Pot Synthesis of Difluoroaldols from Acylsilanes and Trifluoromethyltrimethylsilane. Application to the Synthesis of a Difluoro Analogue of Egomaketone. <i>Journal of Organic Chemistry</i> , 2001, 66, 1941-1946.	3.2	64
49	Acetyltrimethylsilane, Trifluoromethyltrimethylsilane, and Prenyl Esters: A Three-Component System for the Synthesis of gem-Difluoroanalogues of Monoterpenes. <i>Journal of Organic Chemistry</i> , 2001, 66, 4348-4351.	3.2	20
50	C-10-Fluorinated derivatives of dihydroartemisinin: difluoromethylene ketones. <i>Tetrahedron Letters</i> , 2001, 42, 1487-1489.	1.4	22
51	Reactions of Difluoroenoxy silanes with Glycosyl Donors: Synthesis of Difluoro-C-glycosides and Difluoro-C-disaccharides. <i>Chemistry - A European Journal</i> , 2001, 7, 903-909.	3.3	45
52	Mixed Organofluorine/Organosilicon Chemistry. Part 13. One-Pot Synthesis of Difluoroaldols from Acylsilanes and Trifluoromethyltrimethylsilane. Application to the Synthesis of a Difluoro Analogue of Egomaketone. <i>ChemInform</i> , 2001, 32, 68-68.	0.0	0
53	Convergent synthesis of fluoro and gem-difluoro compounds using trifluoromethyltrimethylsilane. <i>Journal of Fluorine Chemistry</i> , 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. <i>Chemistry and Physics of Lipids</i> , 2000, 105, 71-91.	3.2	26

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55	Aldol Reactions of Acylsilanes and Difluoroenoxyasilanes. 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 difluoroenoxyasilanes. 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 trifluoromethylationâ€”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 difluoroenoxyasilanes 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 Î²-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 Î²-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€œPro-Proâ€™ turn-inducing templates for the design of b-hairpin mimetics. , 0, , .		0
69	Use of Trifluoromethylated Pseudoproline 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