Bruno Linclau

List of Publications by Year
in descending order

112	2,625	159358	253896
papers	citations	30 h-index	43 g-index

138	138	138	2376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relating Conformational Equilibria to Conformerâ€Specific Lipophilicities: New Opportunities in Drug Discovery. Angewandte Chemie - International Edition, 2022, 61, e202114862.	7.2	10
2	Relating Conformational Equilibria to Conformerâ€Specific Lipophilicities: New Opportunities in Drug Discovery. Angewandte Chemie, 2022, 134, .	1.6	0
3	The Synthesis and Glycoside Formation of Polyfluorinated Carbohydrates. Chemical Reviews, 2022, 122, 15503-15602.	23.0	15
4	Decagram Synthesis of Dimethyl 1,4-Cubanedicarboxylate Using Continuous-Flow Photochemistry. Synthesis, 2021, 53, 1307-1314.	1.2	13
5	Introducing affinity and selectivity into galectin-targeting nanoparticles with fluorinated glycan ligands. Chemical Science, 2021, 12, 905-910.	3.7	21
6	Skipped Fluorination Motifs: Synthesis of Building Blocks and Comparison of Lipophilicity Trends with Vicinal and Isolated Fluorination Motifs. Journal of Organic Chemistry, 2021, 86, 1882-1900.	1.7	12
7	Rapid Screening of Diverse Biotransformations for Enzyme Evolution. Jacs Au, 2021, 1, 508-516.	3.6	13
8	Synthesis and Structural Characteristics of all Mono- and Difluorinated 4,6-Dideoxy-<scp>d</scp>-xylo-hexopyranoses. Journal of Organic Chemistry, 2021, 86, 7725-7756.	1.7	7
9	Synthesis of Ortho-Functionalized 1,4-Cubanedicarboxylate Derivatives through Photochemical Chlorocarbonylation. Organic Letters, 2021, 23, 5164-5169.	2.4	12
10	Fluorine NMR study of proline-rich sequences using fluoroprolines. Magnetic Resonance, 2021, 2, 795-813.	0.8	3
11	Cubane Electrochemistry: Direct Conversion of Cubane Carboxylic Acids to Alkoxy Cubanes Using the Haferâ€“Moest Reaction under Flow Conditions. Chemistry - A European Journal, 2020, 26, 374-378.	1.7	34
12	Systematic Investigation of Lipophilicity Modulation by Aliphatic Fluorination Motifs. Journal of Medicinal Chemistry, 2020, 63, 1002-1031.	2.9	83
13	Exploring anomeric glycosylation of phosphoric acid: Optimisation and scope for non-native substrates. Carbohydrate Research, 2020, 488, 107896.	1.1	3
14	Lipophilicity trends upon fluorination of isopropyl, cyclopropyl and 3-oxetanyl groups. Beilstein Journal of Organic Chemistry, 2020, 16, 2141-2150.	1.3	13
15	Fluorinated carbohydrates as chemical probes for molecular recognition studies. Current status and perspectives. Chemical Society Reviews, 2020, 49, 3863-3888.	18.7	77
16	Profiling Substrate Promiscuity of Wild-Type Sugar Kinases for Multi-fluorinated Monosaccharides. Cell Chemical Biology, 2020, 27, 1199-1206.e5.	2.5	15
17	Chemoenzymatic synthesis of 3-deoxy-3-fluoro-<scp>l</scp>-fucose and its enzymatic incorporation into glycoconjugates. Chemical Communications, 2020, 56, 6408-6411.	2.2	8
18	Enzymatic glycosylation involving fluorinated carbohydrates. Organic and Biomolecular Chemistry, 2020, 18, 3423-3451.	1.5	20

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19	Anomerisation of Fluorinated Sugars by Mutarotase Studied Using 19F NMR Two-Dimensional Exchange Spectroscopy. Australian Journal of Chemistry, 2020, 73, 117.	0.5	3
20	Review of Mutarotase in â€˜Metabolic Subcultureâ€™ and Analytical Biochemistry: Prelude to 19F NMR Studies of its Substrate Specificity and Mechanism. Australian Journal of Chemistry, 2020, 73, 112.	0.5	0
21	Unraveling Sugar Binding Modes to DC-SIGN by Employing Fluorinated Carbohydrates. Molecules, 2019, 24, 2337.	1.7	34
22	Molecular Insights into DC-SIGN Binding to Self-Antigens: The Interaction with the Blood Group A/B Antigens. ACS Chemical Biology, 2019, 14, 1660-1671.	1.6	37
23	A New Straightforward Method for Lipophilicity (logP) Measurement using ¹⁹F NMR Spectroscopy. Journal of Visualized Experiments, 2019, , .	0.2	4
24	3,4-Dideoxy-3,3,4,4-tetrafluoro- and 4-OH epimeric 3-deoxy-3,3-difluoro-Î±-GalCer analogues: Synthesis and biological evaluation on human iNKT cells stimulation. European Journal of Medicinal Chemistry, 2019, 178, 195-213.	2.6	11
25	Synthesis of vicinal dideoxy-difluorinated galactoses. Organic and Biomolecular Chemistry, 2019, 17, 5331-5340.	1.5	7
26	Synthesis of 2,3,4-Trideoxy-2,3,4-trifluoroglucose. Journal of Organic Chemistry, 2019, 84, 5899-5906.	1.7	16
27	Synthesis and Conformational Properties of 3,4-Difluoro-<scp>l</scp>-prolines. Journal of Organic Chemistry, 2019, 84, 3100-3120.	1.7	16
28	Conformational influence of fluorinated building blocks on the physical properties of polyesters. Polymer, 2019, 164, 134-141.	1.8	2
29	Influence of fluorination on alcohol hydrogen-bond donating properties. , 2019, , 301-324.		2
30	Minimising conformational bias in fluoroprolines through vicinal difluorination. Chemical Communications, 2018, 54, 5118-5121.	2.2	28
31	Isolation and characterisation of an unexpected byproduct in the regioselective butane diacetal protection of Î±-methyl galactopyranoside. Carbohydrate Research, 2018, 455, 14-17.	1.1	1
32	Reducing the Lipophilicity of Perfluoroalkyl Groups by CF₂â€“F/CF₂â€“Me or CF₃/CH₃ Exchange. Journal of Medicinal Chemistry, 2018, 61, 10602-10618.	2.9	66
33	Transmembrane Exchange of Fluorosugars: Characterization of Red Cell GLUT1 Kinetics UsingÂ19F NMR. Biophysical Journal, 2018, 115, 1906-1919.	0.2	12
34	1,1,1-Trifluoropropan-2-ammonium triflate enantiomers: stereoselective synthesis and direct use in reaction with epoxides. Tetrahedron: Asymmetry, 2017, 28, 539-544.	1.8	3
35	Influence of Alcohol Î²â€Fluorination on Hydrogenâ€Bond Acidity of Conformationally Flexible Substrates. Chemistry - A European Journal, 2017, 23, 2811-2819.	1.7	31
36	The synthesis of the 2,3-difluorobutan-1,4-diol diastereomers. Beilstein Journal of Organic Chemistry, 2017, 13, 2883-2887.	1.3	8

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37	A Study of Intramolecular Hydrogen Bonding in Levoglucosan Derivatives. Molecules, 2017, 22, 518.	1.7	14
38	Plant cell wall imaging by metabolic clickâ€mediated labelling of rhamnogalacturonan II using azido 3â€deoxyâ€<scp>d</scp>â€mannoâ€octâ€2â€ulosonic acid. Plant Journal, 2016, 85, 437-447.	2.8	48
39	Î±â€Fluoroâ€oâ€cresols: The Key Role of Intramolecular Hydrogen Bonding in Conformational Preference and Hydrogenâ€Bond Acidity. ChemPhysChem, 2016, 17, 2702-2709.	1.0	12
40	Enantioselective Synthesis of Dideoxy-tetrafluorinated Hexoses. Journal of Organic Chemistry, 2016, 81, 4434-4453.	1.7	16
41	Investigating the Influence of (Deoxy)fluorination on the Lipophilicity of Nonâ€UVâ€Active Fluorinated Alkanols and Carbohydrates by a New logâ€‰P Determination Method. Angewandte Chemie - International Edition, 2016, 55, 674-678.	7.2	111
42	Total Synthesis of (â^')-Luminacin D. Journal of Organic Chemistry, 2016, 81, 3818-3837.	1.7	5
43	Influence of Fluorination on the Conformational Properties and Hydrogenâ€Bond Acidity of Benzyl Alcohol Derivatives. Chemistry - A European Journal, 2015, 21, 11462-11474.	1.7	25
44	Intramolecular OHâ‹…â‹…â‹…Fluorine Hydrogen Bonding in Saturated, Acyclic Fluorohydrins: The Î³â€Fluoropropanol Motif. Chemistry - A European Journal, 2015, 21, 17808-17816.	1.7	41
45	Disubstituted Bis-THF Moieties as New P2 Ligands in Nonpeptidal HIV-1 Protease Inhibitors (II). Journal of Medicinal Chemistry, 2015, 58, 4029-4038.	2.9	20
46	The synthesis of mono- and difluorinated 2,3-dideoxy-d-glucopyranoses. Journal of Fluorine Chemistry, 2015, 171, 92-96.	0.9	15
47	A linear synthesis of gemcitabine. Carbohydrate Research, 2015, 406, 71-75.	1.1	10
48	Structural Basis of Ligand Binding to UDP-Galactopyranose Mutase from Mycobacterium tuberculosis Using Substrate and Tetrafluorinated Substrate Analogues. Journal of the American Chemical Society, 2015, 137, 1230-1244.	6.6	73
49	The synthesis of tetrafluorinated aminosugars. Journal of Fluorine Chemistry, 2015, 174, 95-101.	0.9	7
50	The development of a short route to the API ropinirole hydrochloride. Organic and Biomolecular Chemistry, 2015, 13, 10532-10539.	1.5	6
51	A Computational Study of Vicinal Fluorination in 2,3â€Difluorobutane: Implications for Conformational Control in Alkane Chains. Chemistry - A European Journal, 2015, 21, 1682-1691.	1.7	24
52	The synthesis of gemcitabine. Carbohydrate Research, 2014, 387, 59-73.	1.1	44
53	Stereocontrol by Quaternary Centres: A Stereoselective Synthesis of (â^')â€Luminacinâ€…D. Chemistry - A European Journal, 2014, 20, 3306-3310.	1.7	10
54	Stereoselective formation of (Z)-2-fluoroalkenoates via Juliaâ€“Kocienski reaction of aldehydes with pyrimidinyl-fluorosulfones. Tetrahedron, 2014, 70, 5632-5639.	1.0	17

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55	Total Synthesis of (Â±)â€Paroxetine by Diastereoconvergent Cobaltâ€Catalysed Arylation. European Journal of Organic Chemistry, 2014, 2014, 4335-4341.	1.2	24
56	Stereoselectivity of the Hondaâ€“Reformatsky Reaction in Reactions with Ethyl Bromodifluoroacetate with Î±-Oxygenated Sulfinylimines. Journal of Organic Chemistry, 2014, 79, 4186-4195.	1.7	28
57	Effects of Sugar Functional Groups, Hydrophobicity, and Fluorination on Carbohydrateâ€“DNA Stacking Interactions in Water. Journal of Organic Chemistry, 2014, 79, 2419-2429.	1.7	16
58	Tetrafluorination of Sugars as Strategy for Enhancing Proteinâ€“Carbohydrate Affinity: Application to UDPâ€Galp Mutase Inhibition. Chemistry - A European Journal, 2014, 20, 106-112.	1.7	64
59	Design of fluorinated 5-HT4R antagonists: Influence of the basicity and lipophilicity toward the 5-HT4R binding affinities. Bioorganic and Medicinal Chemistry, 2013, 21, 7529-7538.	1.4	2
60	Ready Synthetic Access to Enantiopure Allylic Î±_(F)-Branched Fluoroalkenes. Organic Letters, 2013, 15, 2450-2453.	2.4	20
61	An Unexpected and Significantly Lower Hydrogenâ€Bondâ€Donating Capacity of Fluorohydrins Compared to Nonfluorinated Alcohols. Angewandte Chemie - International Edition, 2012, 51, 6176-6180.	7.2	80
62	Decarboxylation of fluorosulfones for the preparation fluoroalkylidene precursors. Journal of Fluorine Chemistry, 2012, 134, 128-135.	0.9	10
63	Stereoarrays with an Allâ€Carbon Quaternary Center: Diastereoselective Desymmetrization of Prochiral Malonaldehydes. Angewandte Chemie - International Edition, 2012, 51, 1232-1235.	7.2	21
64	Disubstituted Bis-THF Moieties as New P2 Ligands in Nonpeptidal HIV-1 Protease Inhibitors. ACS Medicinal Chemistry Letters, 2011, 2, 461-465.	1.3	16
65	Heavily fluorinated carbohydrates as enzyme substrates: oxidation of tetrafluorinated galactose by galactose oxidase. Chemical Communications, 2011, 47, 11228.	2.2	30
66	Divergent synthetic approach to 6â€²â€²-modified Î±-GalCer analogues. Organic and Biomolecular Chemistry, 2011, 9, 8413.	1.5	25
67	Dietary Phytosterols Protective Against Peptic Ulceration. Gastroenterology Research, 2011, 4, 149-156.	0.4	11
68	The conformation of tetrafluorinated methyl galactoside anomers: crystallographic and NMR studies. Carbohydrate Research, 2011, 346, 1129-1139.	1.1	32
69	The Crystal Structure of 4,6-Di-O-Benzyl-2,3-Dideoxy-2,2,3,3-Tetrafluorogalactose. Journal of Carbohydrate Chemistry, 2011, 30, 618-625.	0.4	7
70	Synthesis and crystallographic analysis of meso-2,3-difluoro-1,4-butanediol and meso-1,4-dibenzyloxy-2,3-difluorobutane. Beilstein Journal of Organic Chemistry, 2010, 6, 62.	1.3	5
71	A Novel, Versatile Dâ†'BCD Steroid Construction Strategy, Illustrated by the Enantioselective Total Synthesis of Estrone. Organic Letters, 2010, 12, 680-683.	2.4	34
72	Synthesis and Evaluation of Amino-Modified Î±-GalCer Analogues. Organic Letters, 2010, 12, 2928-2931.	2.4	14

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73	The Synthesis and inâ€…vivo Evaluation of 2â€²,2â€²â€Difluoro KRN7000. ChemMedChem, 2009, 4, 329-334.	1.6	21
74	An enantioselective synthesis of carbafuranose sugars based on a linchpin carbacyclisation approach. Tetrahedron: Asymmetry, 2009, 20, 821-831.	1.8	4
75	Synthesis and diastereoselective Dielsâ€“Alder reactions of homochiral C2-symmetric butane-1,2-diacetal-based 1,3-dienes. Tetrahedron Letters, 2009, 50, 7144-7147.	0.7	6
76	Microwave-Assisted Ester Formation UsingO-Alkylisoureas: A Convenient Method for the Synthesis of Esters with Inversion of Configuration. Journal of Organic Chemistry, 2009, 74, 4753-4762.	1.7	29
77	Enantioselective synthesis of tetrafluorinated ribose and fructose. Organic and Biomolecular Chemistry, 2009, 7, 803.	1.5	39
78	A convenient AIBN-initiated radical addition of ethyl iododifluoroacetate to alkenes. Journal of Fluorine Chemistry, 2008, 129, 986-990.	0.9	18
79	Synthesis and inâ€…vitro Evaluation of Î±â€GalCer Epimers. ChemMedChem, 2008, 3, 1061-1070.	1.6	33
80	A Linchpin Carbacyclization Approach for the Synthesis of Carbanucleosides. Journal of Organic Chemistry, 2008, 73, 9197-9206.	1.7	13
81	Enantioselective Synthesis of Tetrafluorinated Glucose and Galactose. Organic Letters, 2008, 10, 3673-3676.	2.4	57
82	6â€²-Derivatised Î±-GalCer Analogues Capable of Inducing Strong CD1d-Mediated Th1-Biased NKT Cell Responses in Mice. Journal of the American Chemical Society, 2008, 130, 16468-16469.	6.6	62
83	Synthesis and In Vivo Evaluation of 4-Deoxy-4,4-difluoro-KRN7000. Organic Letters, 2008, 10, 4433-4436.	2.4	30
84	Invariant NKT Cells Promote CD8+ Cytotoxic T Cell Responses by Inducing CD70 Expression on Dendritic Cells. Journal of Immunology, 2008, 180, 4615-4620.	0.4	65
85	An enantioselective desymmetrisation approach to C9-substituted trans-hydrindene rings based on a diastereotopic group-selective intramolecular Dielsâ€“Alder reaction. Chemical Communications, 2006, , 4909-4911.	2.2	5
86	Synthesis of Heterocycles Using Polymer-Supported Reagents under Microwave Irradiation. Topics in Heterocyclic Chemistry, 2006, , 129-154.	0.2	8
87	Enantioselective Synthesis and Selective Monofunctionalization of (4R,6R)-4,6-Dihydroxy-2,8-dioxabicyclo[3.3.0]octane. Organic Letters, 2006, 8, 5821-5824.	2.4	4
88	Improved synthesis of enantiopure pseudo-C2-symmetric 1,4-bis-epoxide building blocks from arabitol. Tetrahedron: Asymmetry, 2005, 16, 2449-2453.	1.8	11
89	Synthesis of 2-Oxazolines Mediated by N,N?-Diisopropylcarbodiimide.. ChemInform, 2005, 36, no.	0.1	0
90	A practical synthesis of a high-loading solid-supported IBX amide for the oxidation of alcohols. Molecular Diversity, 2005, 9, 341-351.	2.1	24

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91	A Stereoselective Cyclization to Carbafuranose Derivatives Starting from 1,4-Bis-epoxides. Organic Letters, 2005, 7, 5183-5186.	2.4	14
92	Enantioselective Synthesis of Tetrafluoroethylene-Containing Monosaccharides. Angewandte Chemie - International Edition, 2004, 43, 5677-5679.	7.2	52
93	A Mild, Phosphine-Free Method for the Conversion of Alcohols into Halides (Cl, Br, I) via the Corresponding O-Alkyl Isoureas.. ChemInform, 2004, 35, no.	0.1	0
94	Synthesis of 2-oxazolines mediated by N,Nâ€²-diisopropylcarbodiimide. Tetrahedron Letters, 2004, 45, 9611-9615.	0.7	36
95	Full and partial differentiation of tris-1,1,1-(hydroxymethyl)ethane via direct and indirect methodology. Tetrahedron, 2004, 60, 3625-3636.	1.0	10
96	Polymer-SupportedO-Alkylisoureas:Â Useful Reagents for theO-Alkylation of Carboxylic Acids. Journal of Organic Chemistry, 2004, 69, 5897-5905.	1.7	40
97	Microwaves, supported-reagents and parallel synthesis: Isocyanide and ester synthesis. Molecular Diversity, 2003, 7, 203-210.	2.1	12
98	A mild, phosphine-free method for the conversion of alcohols into halides (Cl, Br, I) via the corresponding O-alkyl isoureas. Tetrahedron Letters, 2003, 44, 8143-8147.	0.7	24
99	A Novel Stereoselective One-Pot Conversion of Alcohols into Alkyl Halides Mediated by N,Nâ€²-Diisopropylcarbodiimide.. ChemInform, 2003, 34, no.	0.1	0
100	Short Synthesis of EnantiopureC2-Symmetric 1,2:4,5-Diepoxypentane and â€œPseudoâ€•C2-Symmetric 3-Azido-1,2:4,5-diepoxypentane from Arabitol. Journal of Organic Chemistry, 2003, 68, 8252-8255.	1.7	12
101	Polymer-SupportedO-Benzyl andO-Allylisoureas:â€‰ Convenient Preparation and Use in Ester Synthesis from Carboxylic Acids. Organic Letters, 2003, 5, 853-856.	2.4	30
102	Efficient Desymmetrization of â€œPseudoâ€•C2-Symmetric Substrates:Â Illustration in the Synthesis of a Disubstituted Butenolide from Arabitol. Journal of Organic Chemistry, 2003, 68, 1821-1826.	1.7	15
103	A novel stereoselective one-pot conversion of alcohols into alkyl halides mediated by N,Nâ€²-diisopropylcarbodiimide. Chemical Communications, 2003, , 260-261.	2.2	11
104	Microwave-AcceleratedO-Alkylation of Carboxylic Acids withO-Alkylisoureas. Organic Letters, 2002, 4, 2961-2963.	2.4	40
105	Polymer-SupportedO-Methylisourea:â€‰ A New Reagent for theO-Methylation of Carboxylic Acids. Organic Letters, 2002, 4, 1035-1037.	2.4	32
106	Microwaveâ€Accelerated Oâ€Alkylation of Carboxylic Acids with Oâ€Alkylisoureas.. ChemInform, 2002, 33, 59-59.	0.1	0
107	Fluorous Triphasic Reactions:Â Transportative Deprotection of Fluorous Silyl Ethers with Concomitant Purification. Journal of the American Chemical Society, 2001, 123, 10119-10120.	6.6	64
108	TRIS (perfluoroalkylethyl)silyl alkyl amines as calibration standards for electron ionization mass spectrometry in the mass range of 100â€“3000 Da. Journal of the American Society for Mass Spectrometry, 2001, 12, 1050-1054.	1.2	4

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109	Benzotrifluoride and Derivatives: Useful Solvents for Organic Synthesis and Fluorous Synthesis. Topics in Current Chemistry, 1999, , 79-105.	4.0	67
110	Organic-Fluorous Phase Switches:â€‰ A Fluorous Amine Scavenger for Purification in Solution Phase Parallel Synthesis. Journal of Organic Chemistry, 1999, 64, 2835-2842.	1.7	57
111	The synthesis of CD - ring modified 1Î±,25-dihydroxy vitamin D analogues: Six-membered D-ring analogues II. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 1465-1468.	1.0	11
112	The synthesis of CD-ring modified 1Î±,25-dihydroxy vitamin D analogues: Six-membered D-ring analogues I. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 1461-1464.	1.0	18