Arnaud Tatibouet

List of Publications by Year
in descending order

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96	1,624	304743	377865
papers	citations	22 h-index	34 g-index

124	124	124	1560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isolation of 4-Methylthio-3-butenyl Glucosinolate fromRaphanus sativusSprouts (Kaiware Daikon) and Its Redox Properties. Journal of Agricultural and Food Chemistry, 2005, 53, 9890-9896.	5.2	104
2	Synthesis and study of an acridine substituted TrÃ¶gerâ€™s base: preferential binding of the (â€“)-isomer to B-DNA. Chemical Communications, 1999, , 161-162.	4.1	86
3	Oxazolinethiones and Oxazolidinethiones for the First Copper-Catalyzed Desulfurative Cross-Coupling Reaction and First Sonogashira Applications. Organic Letters, 2008, 10, 853-856.	4.6	69
4	Development of high-affinity ligands and photoaffinity labels for the d-fructose transporter GLUT5. Biochemical Journal, 2002, 367, 533-539.	3.7	57
5	Tosylated glycerol carbonate, a versatile bis-electrophile to access new functionalized glycidol derivatives. Tetrahedron, 2009, 65, 8571-8581.	1.9	57
6	Synthesis and evaluation of fructose analogues as inhibitors of the d -fructose transporter GLUT5. Bioorganic and Medicinal Chemistry, 2000, 8, 1825-1833.	3.0	48
7	Synthesis of trÃ¶ger's base analogs derived from 3-aminoacridine and 10-aminobenzo[b][1,7]phenanthroline. Tetrahedron Letters, 1995, 36, 1271-1274.	1.4	46
8	1,2-Glycerol Carbonate: A Versatile Renewable Synthon. Letters in Organic Chemistry, 2006, 3, 744-748.	0.5	40
9	Glucosinolates: The synthetic approach. Comptes Rendus Chimie, 2011, 14, 194-210.	0.5	40
10	Inhibition of the d-fructose transporter protein GLUT5 by fused-ring glyco-1,3-oxazolidin-2-thiones and -oxazolidin-2-ones. Carbohydrate Research, 2003, 338, 711-719.	2.3	35
11	Sulfenic Acids in the Carbohydrate Field. An Example of Straightforward Access to Novel Multivalent Thiosaccharides. Journal of Organic Chemistry, 2005, 70, 7389-7396.	3.2	34
12	Chapter 1 Recent developments in TrÃ¶ger's base chemistry. Progress in Heterocyclic Chemistry, 1999, 11, 1-20.	0.5	33
13	Wittig approach to carbohydrate-derived vinyl sulfides, new substrates for regiocontrolled ring-closure reactions. Tetrahedron, 2004, 60, 1817-1826.	1.9	33
14	1,3-Oxazoline- and 1,3-oxazolidine-2-thiones as substrates in direct modified Stille and Suzuki cross-coupling. Tetrahedron Letters, 2008, 49, 5583-5586.	1.4	28
15	A phenanthroline analogue of TrÃ¶ger's base as bridging ligand in the synthesis of a bimetallic ruthenium (II) complex. Tetrahedron Letters, 1997, 38, 1567-1570.	1.4	26
16	Synthesis of Polyfunctionalized TrÃ¶ger's Base Analogs Derived from Ethacridine (6,9-Diamino-2-ethoxyacridine). Synthetic Communications, 1996, 26, 4375-4395.	2.1	25
17	A general, selective synthesis of ï‰-hydroxyethenyl ethers. Tetrahedron Letters, 2002, 43, 585-587.	1.4	25
18	Regioselective Michael-induced cyclisation of Î³- and Î´-hydroxy vinyl sulfides and vinyl dithiocarbamates. Tetrahedron Letters, 2005, 46, 4349-4352.	1.4	25

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19	The glucosinolateâ€“myrosinase system. New insights into enzymeâ€“substrate interactions by use of simplified inhibitors. Organic and Biomolecular Chemistry, 2005, 3, 1872.	2.8	25
20	Sulfenic Acids in the Carbohydrate Field. Synthesis of Transient Glycosulfenic Acids and Their Addition to Unsaturated Acceptors. Journal of Organic Chemistry, 2002, 67, 6925-6930.	3.2	24
21	Synthesis of 3,9,15,19,21,23-Hexaazakekulene. Angewandte Chemie International Edition in English, 1997, 36, 1190-1191.	4.4	23
22	Base-modified nucleosides from carbohydrate derived oxazolidinethiones: a five-step process. Tetrahedron Letters, 2001, 42, 2977-2980.	1.4	23
23	Small libraries of fused quinazolinone-sugars. Access to quinazolinedione nucleosides. Tetrahedron, 2004, 60, 2609-2619.	1.9	23
24	Oneâ€Step Surface Decoration of Poly(propyleneimines) (PPIs) with the Glyceryl Moiety: New Way for Recycling Homogeneous Dendrimerâ€Based Catalysts. Advanced Synthesis and Catalysis, 2010, 352, 1826-1833.	4.3	23
25	Thio-functionalised glucosinolates: unexpected transformation of desulfoglucoraphenin. Tetrahedron Letters, 2008, 49, 292-295.	1.4	22
26	Profile and quantification of glucosinolates in Pentadiplandra brazzeana Baillon. Phytochemistry, 2012, 73, 51-56.	2.9	22
27	d-Fructoseâ€“l-sorbose interconversions. Access to 5-thio-d-fructose and interaction with the d-fructose transporter, GLUT5. Carbohydrate Research, 2001, 333, 327-334.	2.3	21
28	Synthesis of sugar-based ethenyl ethers through a vinyl bis-sulfone methodology. Tetrahedron, 2003, 59, 4563-4572.	1.9	21
29	Synthetic Approaches to C-Glucosinolates. Tetrahedron, 2000, 56, 2647-2654.	1.9	20
30	Sugar-based ethenyl ethers: stereoselective dipolar cycloadditions of nitrile oxides. Tetrahedron: Asymmetry, 2002, 13, 2535-2539.	1.8	20
31	Synthesis of diphenylcarbazoles as cytotoxic DNA binding agents. Organic and Biomolecular Chemistry, 2004, 2, 1476-1483.	2.8	20
32	Reaction of 3-amino-acridine with formaldehyde in acidic medium: Influence of the stoechiometry on the reaction products. Tetrahedron, 1997, 53, 2891-2898.	1.9	19
33	Glucosinolate Synthesis: a Hydroxamic Acid Approach. European Journal of Organic Chemistry, 2011, 2011, 2293-2300.	2.4	18
34	Stability of Benzylic-Type Isothiocyanates in Hydrodistillation-Mimicking Conditions. Journal of Agricultural and Food Chemistry, 2013, 61, 137-142.	5.2	18
35	Regioselective N-vinylation of cyclic thionocarbamates through a vinyl bis-sulfone methodology. Tetrahedron Letters, 2004, 45, 6443-6446.	1.4	17
36	Palladiumâ€Catalyzed Coupling Reactions of Thioimidate Nâ€Oxides: Access to Î±â€Alkenylâ€•and Î±â€Arylâ€Functionalized Cyclic Nitrones. Angewandte Chemie - International Edition, 2010, 49, 577-580.	13.8	17

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37	HSCN condensation with ulosides: preferred formation of carbohydrate-fused hemiaminals of the 4-hydroxy-1,3-oxazolidine-2-thione type. Tetrahedron Letters, 2008, 49, 682-686.	1.4	16
38	Glucosinolate Chemistry: Synthesis of Oâ€Glycosylated Derivatives of Glucosinalbin. European Journal of Organic Chemistry, 2010, 2010, 3657-3664.	2.4	16
39	Synthesis of alkynylated 1,2,4-oxadiazole/1,2,3-1H-triazole glycoconjugates: Discovering new compounds for use in chemotherapy against lung carcinoma and Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2021, 220, 113472.	5.5	16
40	Contactless conductivity detection for screening myrosinase substrates by capillary electrophoresis. Analytica Chimica Acta, 2014, 807, 153-158.	5.4	15
41	Synthesis of Methionineâ€Derived Endocyclic Sulfilimines and Sulfoximines. European Journal of Organic Chemistry, 2017, 2017, 896-900.	2.4	15
42	Selective Formation of 1,3-Oxazolidine-2-thiones on Ketohexose Templates. Synlett, 2004, 2004, 1945-1948.	1.8	14
43	Dramatic effect of PSE clamping on the behaviour of d-glucal under Ferrier I conditions. Tetrahedron Letters, 2008, 49, 3484-3488.	1.4	14
44	Synthesis, Characterization, and Biologic Activity of New Acyl Hydrazides and 1,3,4-Oxadiazole Derivatives. Molecules, 2020, 25, 3308.	3.8	14
45	Use of tosylated glycerol carbonate to access N-glycerylated aza-aromatic species. Tetrahedron, 2013, 69, 3721-3727.	1.9	13
46	Thiohydantoins: Selective N- and S-Functionalization for Liebeskind-Srogl Reaction Study. Synthesis, 2011, 2011, 3649-3660.	2.3	12
47	Fused 1,3-oxazolidine-2-thiones on Ketohexose Backbones: Functional Modulation Processes. Letters in Organic Chemistry, 2005, 2, 47-50.	0.5	11
48	Nâ€Thiocarbonyl Iminosugars: Synthesis and Evaluation of Castanospermine Analogues Bearing Oxazoleâ€2(3H)â€thione Moieties. European Journal of Organic Chemistry, 2013, 2013, 7941-7951.	2.4	11
49	â€œHeteroglycalsâ€•As New Potential Glycosidase Inhibitors. Synthetic Approaches From D-Arabinose. Journal of Carbohydrate Chemistry, 2000, 19, 641-645.	1.1	10
50	Carba-glucotropaeolin: the first non-hydrolyzable glucosinolate analogue, to inhibit myrosinase. Tetrahedron Letters, 2002, 43, 2889-2890.	1.4	9
51	A simple O-sulfated thiohydroximate molecule to be the first micromolar range myrosinase inhibitor. Tetrahedron Letters, 2009, 50, 3302-3305.	1.4	9
52	Glucosinolate Distribution in Aerial Parts of Degenia velebitica. Chemistry and Biodiversity, 2011, 8, 2090-2096.	2.1	9
53	Staudinger Condensation for the Preparation of Thiohydantoins. Synthesis, 2014, 46, 1079-1084.	2.3	9
54	UGT74B1 from Arabidopsis thaliana as a versatile biocatalyst for the synthesis of desulfoglycosinolates. Organic and Biomolecular Chemistry, 2016, 14, 6252-6261.	2.8	9

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55	Bifunctional mannosideâ€“glucosinolate glycoconjugates as enzymatically triggered isothiocyanates and FimH ligands. Organic and Biomolecular Chemistry, 2018, 16, 4900-4913.	2.8	9
56	Investigating thio-analogues of PSE acetals: a more complex reaction. Tetrahedron Letters, 2003, 44, 5723-5725.	1.4	8
57	Carbohydrate-derived PSE acetals: controlled base-induced ring cleavage. Tetrahedron, 2012, 68, 544-551.	1.9	8
58	Synthesis and biological activities of some new isonicotinic acid 2-(2-hydroxy-8-substituted-tricyclo[7.3.1.02.7]tridec-13-ylidene)-hydrazides. Bioorganic and Medicinal Chemistry, 2015, 23, 401-410.	3.0	8
59	Capillary electrophoresis with dual detection UV/C4D for monitoring myrosinase-mediated hydrolysis of thiol glucosinolate designed for gold nanoparticle conjugation. Analytica Chimica Acta, 2019, 1085, 117-125.	5.4	8
60	Thermal, spectral and biological characterisation of copper(II) complexes with isoniazid-based hydrazones. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1977-1987.	3.6	8
61	A Novel â€œOne-Potâ€•Synthesis of Thiosugar-DerivedS-Xanthates. Organic Letters, 1999, 1, 521-522.	4.6	7
62	Probing of PSE acetal protection for nucleoside chemistry. Tetrahedron Letters, 2007, 48, 3851-3854.	1.4	7
63	Thermodynamics versus kinetics in hetero-Michael cyclizations: a highly stereoselective approach to access both epimers of a C-d-mannopyranoside. Tetrahedron Letters, 2008, 49, 4750-4753.	1.4	7
64	Modular access to heterocycles: methyl 3-aminobenzo[b]thiophene-2-carboxylateâ€“thiourea linkage or pyrimidine-4-one-2-thione formation. Monatshefte FÃ¼r Chemie, 2009, 140, 339-348.	1.8	7
65	Controlled Garegg Conditions for Selective Iodination on Pyranose Templates. European Journal of Organic Chemistry, 2011, 2011, 2286-2292.	2.4	7
66	Reductive opening of carbohydrate phenylsulfonylethylidene (PSE) acetals. Carbohydrate Research, 2015, 417, 117-124.	2.3	7
67	Activated Glycerol Carbonates, Versatile Reagents with Aliphatic Amines: Formation and Reactivity of Glycidyl Carbamates and Trialkylamines. European Journal of Organic Chemistry, 2017, 2017, 5032-5043.	2.4	7
68	S-glycosyltransferase UGT74B1 can glycosylate both S- and O-acceptors: mechanistic insights through substrate specificity. Molecular Catalysis, 2019, 479, 110631.	2.0	7
69	2,2-Bis(phenylsulfonyl)ethyl sulfides as efficient precursors of sulfenic acids. Arkivoc, 2009, 2009, 187-198.	0.5	7
70	The first synthesis of C-glucotropaeolin. Tetrahedron Letters, 1999, 40, 7319-7321.	1.4	6
71	Diphenylphosphinoylethylidene (DPE) acetals: an alternative protective strategy in glycochemistry. Tetrahedron Letters, 2009, 50, 101-103.	1.4	6
72	Sulfur-containing metabolites in radishes. Further exploration of glucoraphenin desulfation. Journal of Sulfur Chemistry, 2013, 34, 48-54.	2.0	6

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73	Expeditious synthesis of Î²-cycloacetalic sulfoxides. Introducing 1-phenylsulfinyl-2-phenylsulfanylethylene (SOSE), a promising new alkenylsulfur reagent. Tetrahedron Letters, 2005, 46, 1035-1037.	1.4	5
74	Selective iodination of vicinal cis-diols on ketopyranose templates. Tetrahedron Letters, 2010, 51, 4602-4604.	1.4	5
75	Glycerol carbonate in Ferrier reaction: Access to new enantiopure building blocks to develop glycoglycerolipid analogues. Carbohydrate Research, 2016, 436, 1-10.	2.3	5
76	Diverted Natural Lossen-type Rearrangement for Bioconjugation through in Situ Myrosinase-Triggered Isothiocyanate Synthesis. Bioconjugate Chemistry, 2019, 30, 1385-1394.	3.6	5
77	Conformationally Restricted Oxazolidinâ€2â€one Fused Bicyclic Iminosugars as Potential Glycosidase Inhibitors. European Journal of Organic Chemistry, 2020, 2020, 6109-6126.	2.4	5
78	Vinyl bis-sulfone methodology in thiosugars: selective access to chiral thiovinyl sulfones and PSE oxathianes. Tetrahedron, 2006, 62, 5141-5151.	1.9	4
79	Reactivity of 1-phenylsulfinyl-2-phenylsulfanylethylene (SOSE) with O-nucleophiles generated by potassium tert-butoxide. Tetrahedron Letters, 2007, 48, 3699-3703.	1.4	4
80	Synthesis and Antimicrobial Evaluation of Oxazole-2(3H)-thione and 2-Alkylsulfanyl-1,3-oxazole Derivatives. Heterocycles, 2014, 88, 1013.	0.7	4
81	Preparation of Pyranoseâ€Based Thioimidate Nâ€Oxides (TINOs). European Journal of Organic Chemistry, 2015, 2015, 2411-2427.	2.4	4
82	Synthesis, thermal, spectral, antimicrobial and cytotoxicity profile of the Schiff bases bearing pyrazolone moiety and their Cu(II) complexes. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1851-1861.	3.6	4
83	A chemoselective ligation for the synthesis of amino acid derivatives of virginiamycin M1. Tetrahedron Letters, 2005, 46, 7377-7380.	1.4	3
84	Aromatic or Chiral Heterocycle - Balance between 1,3-Oxazoline-2-thione and 1,3-Oxazolidine-2-thione. Synlett, 2006, 2006, 301-305.	1.8	3
85	Sulfur Metabolites in Brassicales: From Daily Vegetables to Thiofunctional Chemistry. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1130-1136.	1.6	3
86	Benzylsulfanyloxazolines in Palladium-Catalyzed Cross-Coupling Reactions: A Novel Approach to Chiral Oxazolines. Synthesis, 2007, 2007, 857-864.	2.3	2
87	A micromolar O-sulfated thiohydroximate inhibitor bound to plant myrosinase. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 152-155.	0.7	2
88	Thioimidate N-Oxides: From Nature to Synthetic Pathways. Synlett, 2010, 2010, 725-728.	1.8	2
89	(4R,9S)-4-Hydroxymethyl-3,8-dioxa-1,6-diazaspiro[4.4]nonane-2,7-dithione monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2399-o2401.	0.2	1
90	N-Vinyl-1,3-oxazolidine-2-thiones as Dienophiles in Inverse Hetero-Diels-Alder Reactions: New Prospects for Asymmetric Induction. Synlett, 2006, 2006, 1425-1427.	1.8	1

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91	New N-Substituted Dipolarophiles in 1,3-Dipolar Cycloaddition of Nitrones. Synlett, 2006, 2006, 3255-3258.	1.8	1
92	Carbohydrate-Based Spiro-1,3-oxazolidine-2-thiones: Stereoselective Approaches Using Aziridines and Epoxides. Synthesis, 2008, 2008, 3108-3120.	2.3	1
93	Solvent-Free Glycidyl Carbamate Oligomerization and Solvent Affinity of Oligomers. Macromolecules, 2021, 54, 1702-1714.	4.8	1
94	Regioselective N-Vinylation of Cyclic Thionocarbamates Through a Vinyl Bis-Sulfone Methodology.. ChemInform, 2004, 35, no.	0.0	0
95	Expeditious Synthesis of Î²-Cycloacetalic Sulfoxides. Introducing 1-Phenylsulfinyl-2-phenylsulfanylethylene (SOSE), a Promising New Alkenylsulfur Reagent.. ChemInform, 2005, 36, no.	0.0	0
96	The myrosinase-glucosinolate system to generate neoglycoproteins: A case study targeting mannose binding lectins. Carbohydrate Research, 2022, 516, 108562.	2.3	0