# Arnaud Tatibouet

List of Publications by Year
in descending order



| 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 | The myrosinase-glucosinolate system to generate neoglycoproteins: A case study targeting mannose binding lectins. Carbohydrate Research, 2022, 516, 108562. | 2.3 | 0 |
| 2 | Solvent-Free Glycidyl Carbamate Oligomerization and Solvent Affinity of Oligomers. Macromolecules, 2021, 54, 1702-1714. | 4.8 | 1 |
| 3 | 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 |
| 4 | Conformationally Restricted Oxazolidinâ€2â€one Fused Bicyclic Iminosugars as Potential Glycosidase Inhibitors. European Journal of Organic Chemistry, 2020, 2020, 6109-6126. | 2.4 | 5 |
| 5 | Synthesis, Characterization, and Biologic Activity of New Acyl Hydrazides and 1,3,4-Oxadiazole Derivatives. Molecules, 2020, 25, 3308. | 3.8 | 14 |
| 6 | 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 |
| 7 | S-glycosyltransferase UGT74B1 can glycosylate both S- and O-acceptors: mechanistic insights through substrate specificity. Molecular Catalysis, 2019, 479, 110631. | 2.0 | 7 |
| 8 | Diverted Natural Lossen-type Rearrangement for Bioconjugation through in Situ Myrosinase-Triggered Isothiocyanate Synthesis. Bioconjugate Chemistry, 2019, 30, 1385-1394. | 3.6 | 5 |
| 9 | 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 |
| 10 | 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 |
| 11 | Bifunctional mannosideâ€“glucosinolate glycoconjugates as enzymatically triggered isothiocyanates and FimH ligands. Organic and Biomolecular Chemistry, 2018, 16, 4900-4913. | 2.8 | 9 |
| 12 | Synthesis of Methionineâ€Derived Endocyclic Sulfilimines and Sulfoximines. European Journal of Organic Chemistry, 2017, 2017, 896-900. | 2.4 | 15 |
| 13 | 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 |
| 14 | UGT74B1 from Arabidopsis thaliana as a versatile biocatalyst for the synthesis of desulfoglycosinolates. Organic and Biomolecular Chemistry, 2016, 14, 6252-6261. | 2.8 | 9 |
| 15 | Glycerol carbonate in Ferrier reaction: Access to new enantiopure building blocks to develop glycoglycerolipid analogues. Carbohydrate Research, 2016, 436, 1-10. | 2.3 | 5 |
| 16 | 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 |
| 17 | Reductive opening of carbohydrate phenylsulfonylethylidene (PSE) acetals. Carbohydrate Research, 2015, 417, 117-124. | 2.3 | 7 |
| 18 | Preparation of Pyranoseâ€Based Thioimidate Nâ€Oxides (TINOs). European Journal of Organic Chemistry, 2015, 2015, 2411-2427. | 2.4 | 4 |

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| 19 | Synthesis and Antimicrobial Evaluation of Oxazole-2(3H)-thione and 2-Alkylsulfanyl-1,3-oxazole Derivatives. Heterocycles, 2014, 88, 1013. | 0.7 | 4 |
| 20 | Staudinger Condensation for the Preparation of Thiohydantoins. Synthesis, 2014, 46, 1079-1084. | 2.3 | 9 |
| 21 | Contactless conductivity detection for screening myrosinase substrates by capillary electrophoresis. Analytica Chimica Acta, 2014, 807, 153-158. | 5.4 | 15 |
| 22 | Use of tosylated glycerol carbonate to access N-glycerylated aza-aromatic species. Tetrahedron, 2013, 69, 3721-3727. | 1.9 | 13 |
| 23 | 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 |
| 24 | Stability of Benzylic-Type Isothiocyanates in Hydrodistillation-Mimicking Conditions. Journal of Agricultural and Food Chemistry, 2013, 61, 137-142. | 5.2 | 18 |
| 25 | Sulfur-containing metabolites in radishes. Further exploration of glucoraphenin desulfation. Journal of Sulfur Chemistry, 2013, 34, 48-54. | 2.0 | 6 |
| 26 | Carbohydrate-derived PSE acetals: controlled base-induced ring cleavage. Tetrahedron, 2012, 68, 544-551. | 1.9 | 8 |
| 27 | Profile and quantification of glucosinolates in Pentadiplandra brazzeana Baillon. Phytochemistry, 2012, 73, 51-56. | 2.9 | 22 |
| 28 | Controlled Garegg Conditions for Selective Iodination on Pyranose Templates. European Journal of Organic Chemistry, 2011, 2011, 2286-2292. | 2.4 | 7 |
| 29 | Glucosinolate Synthesis: a Hydroxamic Acid Approach. European Journal of Organic Chemistry, 2011, 2011, 2293-2300. | 2.4 | 18 |
| 30 | Glucosinolate Distribution in Aerial Parts of Degenia velebitica. Chemistry and Biodiversity, 2011, 8, 2090-2096. | 2.1 | 9 |
| 31 | Glucosinolates: The synthetic approach. Comptes Rendus Chimie, 2011, 14, 194-210. | 0.5 | 40 |
| 32 | Thiohydantoins: Selective N- and S-Functionalization for Liebeskind-Srogl Reaction Study. Synthesis, 2011, 2011, 3649-3660. | 2.3 | 12 |
| 33 | 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 |
| 34 | Glucosinolate Chemistry: Synthesis of Oâ€Glycosylated Derivatives of Glucosinalbin. European Journal of Organic Chemistry, 2010, 2010, 3657-3664. | 2.4 | 16 |
| 35 | 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 |
| 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 | Selective iodination of vicinal cis-diols on ketopyranose templates. Tetrahedron Letters, 2010, 51, 4602-4604. | 1.4 | 5 |
| 38 | A micromolar O-sulfated thiohydroximate inhibitor bound to plant myrosinase. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 152-155. | 0.7 | 2 |
| 39 | Thioimidate N-Oxides: From Nature to Synthetic Pathways. Synlett, 2010, 2010, 725-728. | 1.8 | 2 |
| 40 | 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 |
| 41 | Tosylated glycerol carbonate, a versatile bis-electrophile to access new functionalized glycidol derivatives. Tetrahedron, 2009, 65, 8571-8581. | 1.9 | 57 |
| 42 | Diphenylphosphinoylethylidene (DPE) acetals: an alternative protective strategy in glycochemistry. Tetrahedron Letters, 2009, 50, 101-103. | 1.4 | 6 |
| 43 | A simple O-sulfated thiohydroximate molecule to be the first micromolar range myrosinase inhibitor. Tetrahedron Letters, 2009, 50, 3302-3305. | 1.4 | 9 |
| 44 | 2,2-Bis(phenylsulfonyl)ethyl sulfides as efficient precursors of sulfenic acids. Arkivoc, 2009, 2009, 187-198. | 0.5 | 7 |
| 45 | Dramatic effect of PSE clamping on the behaviour of d-glucal under Ferrier I conditions. Tetrahedron Letters, 2008, 49, 3484-3488. | 1.4 | 14 |
| 46 | Thio-functionalised glucosinolates: unexpected transformation of desulfoglucoraphenin. Tetrahedron Letters, 2008, 49, 292-295. | 1.4 | 22 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | 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 |
| 51 | Carbohydrate-Based Spiro-1,3-oxazolidine-2-thiones: Stereoselective Approaches Using Aziridines and Epoxides. Synthesis, 2008, 2008, 3108-3120. | 2.3 | 1 |
| 52 | Benzylsulfanyloxazolines in Palladium-Catalyzed Cross-Coupling Reactions: A Novel Approach to Chiral Oxazolines. Synthesis, 2007, 2007, 857-864. | 2.3 | 2 |
| 53 | Reactivity of 1-phenylsulfinyl-2-phenylsulfanylethylene (SOSE) with O-nucleophiles generated by potassium tert-butoxide. Tetrahedron Letters, 2007, 48, 3699-3703. | 1.4 | 4 |
| 54 | Probing of PSE acetal protection for nucleoside chemistry. Tetrahedron Letters, 2007, 48, 3851-3854. | 1.4 | 7 |

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| 55 | 1,2-Glycerol Carbonate: A Versatile Renewable Synthon. Letters in Organic Chemistry, 2006, 3, 744-748. | 0.5 | 40 |
| 56 | Vinyl bis-sulfone methodology in thiosugars: selective access to chiral thiovinyl sulfones and PSE oxathianes. Tetrahedron, 2006, 62, 5141-5151. | 1.9 | 4 |
| 57 | 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 |
| 58 | New N-Substituted Dipolarophiles in 1,3-Dipolar Cycloaddition of Nitrones. Synlett, 2006, 2006, 3255-3258. | 1.8 | 1 |
| 59 | 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 |
| 60 | 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 |
| 61 | Regioselective Michael-induced cyclisation of Î³- and Î´-hydroxy vinyl sulfides and vinyl dithiocarbamates. Tetrahedron Letters, 2005, 46, 4349-4352. | 1.4 | 25 |
| 62 | A chemoselective ligation for the synthesis of amino acid derivatives of virginiamycin M1. Tetrahedron Letters, 2005, 46, 7377-7380. | 1.4 | 3 |
| 63 | Expeditious Synthesis of Î²-Cycloacetalic Sulfoxides. Introducing 1-Phenylsulfinyl-2-phenylsulfanylethylene (SOSE), a Promising New Alkenylsulfur Reagent.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 64 | Fused 1,3-oxazolidine-2-thiones on Ketohexose Backbones: Functional Modulation Processes. Letters in Organic Chemistry, 2005, 2, 47-50. | 0.5 | 11 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | Selective Formation of 1,3-Oxazolidine-2-thiones on Ketohexose Templates. Synlett, 2004, 2004, 1945-1948. | 1.8 | 14 |
| 69 | Small libraries of fused quinazolinone-sugars. Access to quinazolinedione nucleosides. Tetrahedron, 2004, 60, 2609-2619. | 1.9 | 23 |
| 70 | (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 |
| 71 | Regioselective N-Vinylation of Cyclic Thionocarbamates Through a Vinyl Bis-Sulfone Methodology.. ChemInform, 2004, 35, no. | 0.0 | 0 |
| 72 | Regioselective N-vinylation of cyclic thionocarbamates through a vinyl bis-sulfone methodology. Tetrahedron Letters, 2004, 45, 6443-6446. | 1.4 | 17 |

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| 73 | Wittig approach to carbohydrate-derived vinyl sulfides, new substrates for regiocontrolled ring-closure reactions. Tetrahedron, 2004, 60, 1817-1826. | 1.9 | 33 |
| 74 | Synthesis of diphenylcarbazoles as cytotoxic DNA binding agents. Organic and Biomolecular Chemistry, 2004, 2, 1476-1483. | 2.8 | 20 |
| 75 | 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 |
| 76 | Investigating thio-analogues of PSE acetals: a more complex reaction. Tetrahedron Letters, 2003, 44, 5723-5725. | 1.4 | 8 |
| 77 | Synthesis of sugar-based ethenyl ethers through a vinyl bis-sulfone methodology. Tetrahedron, 2003, 59, 4563-4572. | 1.9 | 21 |
| 78 | Development of high-affinity ligands and photoaffinity labels for the d-fructose transporter GLUT5. Biochemical Journal, 2002, 367, 533-539. | 3.7 | 57 |
| 79 | 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 |
| 80 | Sugar-based ethenyl ethers: stereoselective dipolar cycloadditions of nitrile oxides. Tetrahedron: Asymmetry, 2002, 13, 2535-2539. | 1.8 | 20 |
| 81 | A general, selective synthesis of ï‰-hydroxyethenyl ethers. Tetrahedron Letters, 2002, 43, 585-587. | 1.4 | 25 |
| 82 | Carba-glucotropaeolin: the first non-hydrolyzable glucosinolate analogue, to inhibit myrosinase. Tetrahedron Letters, 2002, 43, 2889-2890. | 1.4 | 9 |
| 83 | Base-modified nucleosides from carbohydrate derived oxazolidinethiones: a five-step process. Tetrahedron Letters, 2001, 42, 2977-2980. | 1.4 | 23 |
| 84 | 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 |
| 85 | Synthetic Approaches to C-Glucosinolates. Tetrahedron, 2000, 56, 2647-2654. | 1.9 | 20 |
| 86 | 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 |
| 87 | â€œHeteroglycalsâ€•As New Potential Glycosidase Inhibitors. Synthetic Approaches From D-Arabinose. Journal of Carbohydrate Chemistry, 2000, 19, 641-645. | 1.1 | 10 |
| 88 | Chapter 1 Recent developments in TrÃ¶ger's base chemistry. Progress in Heterocyclic Chemistry, 1999, 11, 1-20. | 0.5 | 33 |
| 89 | The first synthesis of C-glucotropaeolin. Tetrahedron Letters, 1999, 40, 7319-7321. | 1.4 | 6 |
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| 91 | A Novel â€œOne-Potâ€•Synthesis of Thiosugar-DerivedS-Xanthates. Organic Letters, 1999, 1, 521-522. | 4.6 | 7 |
| 92 | 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 |
| 93 | 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 |
| 94 | Synthesis of 3,9,15,19,21,23-Hexaazakekulene. Angewandte Chemie International Edition in English, 1997, 36, 1190-1191. | 4.4 | 23 |
| 95 | 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 |
| 96 | 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 |