# Christine Gravier-Pelletier

List of Publications by Year
in descending order



| 63 | 1,195 | 304743 | 434195 |
|---|---|---|---|
| papers | citations | 22 h-index | 31 g-index |

| 73 | 73 | 73 | 1023 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis of Diepoxides and Diaziridines, Precursors of Enantiomerically Pure a-Hydroxy and a-Amino Aldehydes or Acids, from D-Mannitol. Heterocycles, 1987, 25, 541. | 0.7 | 85 |
| 2 | Total synthesis of leukotriene B4 [(+)-LTB4] and homo-LTB4 from D-mannitol. Journal of Organic Chemistry, 1989, 54, 2409-2416. | 3.2 | 52 |
| 3 | Synthesis and glycosidase inhibitory activity of aminocyclitols with a C6- or a C7-ring. Tetrahedron, 2003, 59, 8705-8720. | 1.9 | 45 |
| 4 | Recent advances in nanotechnology for eradicating bacterial biofilm. Theranostics, 2022, 12, 2383-2405. | 10.0 | 43 |
| 5 | Synthesis of C 2 -symmetric guanidino-sugars as potent inhibitors of glycosidases. Bioorganic and Medicinal Chemistry, 2000, 8, 307-320. | 3.0 | 42 |
| 6 | Modulators of CFTR. Updates on clinical development and future directions. European Journal of Medicinal Chemistry, 2021, 213, 113195. | 5.5 | 39 |
| 7 | Synthesis of (-)-Muricatacin and (-)-(5R,6S)-6-acetoxy-5-hexadecanolide, the Mosquito oviposition attractant pheromone, from D-isoascorbic acid. Tetrahedron Letters, 1994, 35, 115-118. | 1.4 | 38 |
| 8 | Structure of the essential peptidoglycan amidotransferase MurT/GatD complex from Streptococcus pneumoniae. Nature Communications, 2018, 9, 3180. | 12.8 | 34 |
| 9 | A Concise Route to Carbasugars. Synlett, 1999, 1999, 1322-1324. | 1.8 | 33 |
| 10 | 5â€²-Methylene-triazole-substituted-aminoribosyl uridines as MraY inhibitors: synthesis, biological evaluation and molecular modeling. Organic and Biomolecular Chemistry, 2015, 13, 7193-7222. | 2.8 | 33 |
| 11 | Synthesis and glycosidase inhibitory activity of new penta-substituted C8-glycomimetics. Tetrahedron, 2005, 61, 7094-7104. | 1.9 | 30 |
| 12 | Access to enantiopure ribosyl-diazepanone core of liposidomycins. Tetrahedron Letters, 1998, 39, 385-388. | 1.4 | 29 |
| 13 | Chemical investigations in the synthesis of O-serinyl aminoribosides. Tetrahedron: Asymmetry, 2006, 17, 142-150. | 1.8 | 28 |
| 14 | Mono, di and tri-mannopyranosyl phosphates as mannose-1-phosphate prodrugs for potential CDG-Ia therapy. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 152-155. | 2.2 | 28 |
| 15 | Chiral Î±-hydroxy- and Î±,Î²-dihydroxy- aldehydes from D-isoascorbic and L-ascorbic acids. Useful precursors for the synthesis of fatty acid metabolites.. Tetrahedron Letters, 1990, 31, 1003-1006. | 1.4 | 27 |
| 16 | Liposidomycins â^' Synthetic Studies Towards the Ribosyldiazepanone Moiety. European Journal of Organic Chemistry, 2001, 2001, 3089. | 2.4 | 27 |
| 17 | Efficient synthesis of polyfunctionalised enantiopure diazepanone scaffolds. Tetrahedron Letters, 2007, 48, 8149-8152. | 1.4 | 26 |
| 18 | On the Way to Liposidomycins, New Nucleoside Antibiotics. Access to the Homochiral Diazepanone Core. Journal of Carbohydrate Chemistry, 1997, 16, 129-141. | 1.1 | 25 |

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|---|---|---|---|
| 19 | Efficient route to optically pure polyfunctionalized cyclooctanes. Tetrahedron Letters, 2002, 43, 245-248. | 1.4 | 25 |
| 20 | A General Way, From L-Ascorbic And D-Isoascorbic Acids, To Homochiral Î±-Hydroxy, Î±,Î²-Dihydroxy And Î±,Î²-Epoxy-Aldehydes, Useful Building Blocks For The Synthesis Of Linear Oxygenated Fatty Acids Metabolites. Journal of Carbohydrate Chemistry, 1992, 11, 969-998. | 1.1 | 24 |
| 21 | Synthesis and glycosidase inhibitory activity of enantiopure polyhydroxylated octahydroindoles and decahydroquinolines, analogs to castanospermine. Tetrahedron, 2003, 59, 8721-8730. | 1.9 | 24 |
| 22 | Microwave-assisted preparation of 4-amino-3-cyano-5-methoxycarbonyl-N-arylpyrazoles as building blocks for the diversity-oriented synthesis of pyrazole-based polycyclic scaffolds. Organic and Biomolecular Chemistry, 2015, 13, 409-423. | 2.8 | 24 |
| 23 | Synthesis of 1-C-linked diphosphate analogues of UDP-N-Ac-glucosamine and UDP-N-Ac-muramic acid. Tetrahedron, 2008, 64, 9093-9100. | 1.9 | 23 |
| 24 | Synthesis of polyhydroxylated piperidines and evaluation as glycosidase inhibitors. Bioorganic and Medicinal Chemistry, 2004, 12, 5091-5097. | 3.0 | 22 |
| 25 | Synthesis and biological evaluation of a diazepanone-based library of liposidomycins analogs as MraY inhibitors. European Journal of Medicinal Chemistry, 2011, 46, 1582-1592. | 5.5 | 22 |
| 26 | Toward Analogues of MraY Natural Inhibitors: Synthesis of 5â€²-Triazole-Substituted-Aminoribosyl Uridines Through a Cu-Catalyzed Azideâ€“Alkyne Cycloaddition. Journal of Organic Chemistry, 2013, 78, 10088-10105. | 3.2 | 21 |
| 27 | Synthetic studies towards diazepanone scaffolds. Tetrahedron: Asymmetry, 2009, 20, 2320-2330. | 1.8 | 20 |
| 28 | Bacterial transferase MraY inhibitors: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2010, 18, 4560-4569. | 3.0 | 20 |
| 29 | Efficient access to azadisaccharide analogues. Tetrahedron Letters, 2001, 42, 4475-4478. | 1.4 | 19 |
| 30 | Enantiopure hydroxylactones from L-ascorbic and D-isoascorbic acids. Part II. Synthesis of (â^')-(5R,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 1.9 | 18 |
| 31 | Synthesis of C8-glycomimetics as potential glycosidases inhibitors. Tetrahedron Letters, 2004, 45, 8043-8046. | 1.4 | 18 |
| 32 | Nucleophilic Opening of Epoxide by Guanidine. A Route to Potential Substrates or Inhibitors of NO Synthases1. Synlett, 1996, 1996, 275-277. | 1.8 | 16 |
| 33 | A versatile scaffold for a library of liposidomycins analogues: a crucial and potent glycosylation step. Tetrahedron: Asymmetry, 2004, 15, 189-193. | 1.8 | 15 |
| 34 | Synthesis and glycosidase inhibitory activity of new hexa-substituted C8-glycomimetics. Beilstein Journal of Organic Chemistry, 2005, 1, 12. | 2.2 | 15 |
| 35 | A Diastereoselective Synthesis of 5â€²-Substituted-Uridine Derivatives. Journal of Organic Chemistry, 2014, 79, 7758-7765. | 3.2 | 15 |
| 36 | Regioselective Functionalization of Quinolines through C-H Activation: A Comprehensive Review. Molecules, 2021, 26, 5467. | 3.8 | 15 |

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|---|---|---|---|
| 37 | Total synthesis of lipoxins A4 and B4 from d-isoascorbic acid. Tetrahedron Letters, 1991, 32, 1165-1168. | 1.4 | 13 |
| 38 | Lipoxins A4 and B4 Total Synthesis Including Deprotection Studies. Tetrahedron, 1992, 48, 2441-2452. | 1.9 | 13 |
| 39 | Towards New MraY Inhibitors: A Serine Template for Uracil and 5â€Aminoâ€5â€deoxyribosyl Scaffolding. European Journal of Organic Chemistry, 2007, 2007, 5386-5394. | 2.4 | 12 |
| 40 | Efficient synthesis of a bacterial translocase MraY inhibitor. Tetrahedron: Asymmetry, 2008, 19, 397-400. | 1.8 | 12 |
| 41 | Synthesis and biological evaluation of potential new inhibitors of the bacterial transferase MraY with a Î²-ketophosphonate structure. Organic and Biomolecular Chemistry, 2011, 9, 8301. | 2.8 | 11 |
| 42 | Synthesis and biological evaluation of chemical tools for the study of Dolichol Linked Oligosaccharide Diphosphatase (DLODP). European Journal of Medicinal Chemistry, 2017, 125, 952-964. | 5.5 | 11 |
| 43 | Bacterial Transferase MraY, a Source of Inspiration towards New Antibiotics. Current Medicinal Chemistry, 2019, 25, 6013-6029. | 2.4 | 11 |
| 44 | New azadisaccharide analogs as potential antidiabetics. Tetrahedron Letters, 2002, 43, 8285-8288. | 1.4 | 10 |
| 45 | Demonstration of an oligosaccharide-diphosphodolichol diphosphatase activity whose subcellular localization is different than those of dolichyl-phosphate-dependent enzymes of the dolichol cycle. Journal of Lipid Research, 2016, 57, 1029-1042. | 4.2 | 10 |
| 46 | Synthesis of Scaffolds with Glycomimetic Structures. Current Organic Synthesis, 2007, 4, 1-13. | 1.3 | 9 |
| 47 | Synthesis of a Î²â€Ketophosphonate Bioisostere of UDPâ€Nâ€acetylglucosamine. European Journal of Organic Chemistry, 2009, 2009, 3323-3326. | 2.4 | 9 |
| 48 | New insights into structure and function of bis-phosphinic acid derivatives and implications for CFTR modulation. Scientific Reports, 2021, 11, 6842. | 3.3 | 9 |
| 49 | Discovery, SAR study and ADME properties of methyl 4-amino-3-cyano-1-(2-benzyloxyphenyl)-1H-pyrazole-5-carboxylate as an HIV-1 replication inhibitor. RSC Medicinal Chemistry, 2020, 11, 577-582. | 3.9 | 8 |
| 50 | Destabilization of the human REDâ€“SMU1 splicing complex as a basis for host-directed antiinfluenza strategy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10968-10977. | 7.1 | 7 |
| 51 | Brefeldin A promotes the appearance of oligosaccharyl phosphates derived from Glc3Man9GlcNAc2-PP-dolichol within the endomembrane system of HepG2 cells. Journal of Lipid Research, 2016, 57, 1477-1491. | 4.2 | 5 |
| 52 | Synthesis of 1,2-Epoxy-3-alkanolsviaMitsunobu Reaction on Unprotected Enantiopure Acyclic 1,2,3-Triols. Synthetic Communications, 1994, 24, 2843-2850. | 2.1 | 4 |
| 53 | Synthesis of Multifunctionalized 2-Iminothiazolidin-4-ones and Their 2-Arylimino Derivatives. Synthesis, 2016, 48, 4569-4579. | 2.3 | 4 |
| 54 | Synthesis of bis-(2,3,4,6-tetra-O-acetyl-Î±-d-mannopyranosyl)-l-serinyl phosphate, as a prodrug of mannose-1-phosphate. Tetrahedron: Asymmetry, 2007, 18, 2121-2124. | 1.8 | 3 |

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|---|---|---|---|
| 55 | Nucleophilic Opening of an Epoxide by a Masked Glycine Anion Equivalent: A Route to C-Glycosyl Amino Acids. Synlett, 2016, 27, 1551-1556. | 1.8 | 3 |
| 56 | Effect of uridine protecting groups on the diastereoselectivity of uridine-derived aldehyde 5â€™-alkynylation. Beilstein Journal of Organic Chemistry, 2017, 13, 1533-1541. | 2.2 | 3 |
| 57 | Synthesis, biological evaluation and molecular modeling of urea-containing MraY inhibitors. Organic and Biomolecular Chemistry, 2021, 19, 5844-5866. | 2.8 | 3 |
| 58 | Systemic bis-phosphinic acid derivative restores chloride transport in Cystic Fibrosis mice. Scientific Reports, 2022, 12, 6132. | 3.3 | 2 |
| 59 | Bacterial Lipid II Analogs: Novel In Vitro Substrates for Mammalian Oligosaccharyl Diphosphodolichol Diphosphatase (DLODP) Activities. Molecules, 2019, 24, 2135. | 3.8 | 1 |
| 60 | Synthetic Route to Glycosyl Î²-1C-(phosphino)-phosphonates as Unprecedented Stable Glycosyl Diphosphate Analogs and Their Preliminary Biological Evaluation. Molecules, 2020, 25, 4969. | 3.8 | 1 |
| 61 | A Sub-Micromolar MraYAA Inhibitor with an Aminoribosyl Uridine Structure and a (S,S)-Tartaric Diamide: Synthesis, Biological Evaluation and Molecular Modeling. Molecules, 2022, 27, 1769. | 3.8 | 1 |
| 62 | A Straightforward Route to Indolizidine and Quinolizidine Analogues as New Potential Antidiabetics.. ChemInform, 2003, 34, no. | 0.0 | 0 |
| 63 | A Straightforward Route to Indolizidine and Quinolizidine Analogs as new Potential Antidiabetics. Synlett, 2003, 2003, 0333-0336. | 1.8 | 0 |