Didier Dubreuil

List of Publications by Year
in descending order

75 papers	1,815 citations	257450 24 h-index	289244 40 g-index
92 all docs	92 docs citations	92 times ranked	2107 citing authors

#	Article	IF	Citations
1	Iterative design of a helically folded aromatic oligoamide sequence for the selective encapsulation of fructose. Nature Chemistry, 2015, 7, 334-341.	13.6	208
2	New Approach to Oligonucleotide Microarrays Using Zirconium Phosphonate-Modified Surfaces. Journal of the American Chemical Society, 2004, 126, 1497-1502.	13.7	124
3	Diastereoselective Encapsulation of Tartaric Acid by a Helical Aromatic Oligoamide. Journal of the American Chemical Society, 2010, 132, 7858-7859.	13.7	120
4	Identification of a Foldaxane Kinetic Byproduct during Guest-Induced Single to Double Helix Conversion. Journal of the American Chemical Society, 2012, 134, 15656-15659.	13.7	77
5	Second Coordination Sphere Effects in an Evolved Ru Complex Based on Highly Adaptable Ligand Results in Rapid Water Oxidation Catalysis. Journal of the American Chemical Society, 2020, 142, 5068-5077.	13.7	69
6	Simultaneous determination of metronidazole and spiramycin I in human plasma, saliva and gingival crevicular fluid by LCâ€“MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2005, 38, 298-306.	2.8	55
7	Complexation of Lanthanides(III), Americium(III), and Uranium(VI) with Bitopic N,O Ligands: an Experimental and Theoretical Study. Inorganic Chemistry, 2011, 50, 6557-6566.	4.0	52
8	Long-Range Effects on the Capture and Release of a Chiral Guest by a Helical Molecular Capsule. Journal of the American Chemical Society, 2012, 134, 11282-11288.	13.7	47
9	An Electrochemical Nickel-Catalyzed Arylation of 3-Amino-6-Chloropyridazines. Journal of Organic Chemistry, 2013, 78, 370-379.	3.2	46
10	Ring Contraction Methodology for the Synthesis of Pyrroles. Current Organic Chemistry, 2005, 9, 261-288.	1.6	45
11	The Role of Seven-Coordination in Ru-Catalyzed Water Oxidation. ACS Catalysis, 2018, 8, 2039-2048.	11.2	41
12	Easy access to substituted selenazine and selenopyran derivatives by a cycloaddition-cyclorersion process. Tetrahedron Letters, 1995, 36, 237-240.	1.4	39
13	New Bitopic Ligands for the Group Actinide Separation by Solvent Extraction. Solvent Extraction and Ion Exchange, 2011, 29, 292-315.	2.0	39
14	Synthesis and reactivity of N-selenoacylamidines precursors of selenoheterocycles. Tetrahedron, 1998, 54, 2545-2562.	1.9	36
15	Preparation of Functionalized Aryl- and Heteroarylpyridazines by Nickel-Catalyzed Electrochemical Cross-Coupling Reactions. Journal of Organic Chemistry, 2007, 72, 5631-5636.	3.2	34
16	Structure Elucidation of Hostâ€“Guest Complexes of Tartaric and Malic Acids by Quasiâ€Racemic Crystallography. Angewandte Chemie - International Edition, 2013, 52, 11517-11520.	13.8	34
17	Tuning the Guestâ€Binding Ability of a Helically Folded Capsule by In Situ Modification of the Aromatic Oligoamide Backbone. Chemistry - A European Journal, 2014, 20, 1547-1553.	3.3	31
18	Synthesis of Polyhydroxylated Pyrano-Pyrrole Derivatives from Carbohydrate Precursors. European Journal of Organic Chemistry, 2007, 2007, 3296-3310.	2.4	30

#	Article	IF	Citations
19	Functionalized 2,5â€Dipyridinylpyrroles by Electrochemical Reduction of 3,6â€Dipyridinylpyridazine Precursors. European Journal of Organic Chemistry, 2008, 2008, 2156-2166.	2.4	30
20	Metalâ€Coordinationâ€Assisted Folding and Guest Binding in Helical Aromatic Oligoamide Molecular Capsules. Angewandte Chemie - International Edition, 2017, 56, 6823-6827.	13.8	30
21	Novel pyrrole C-nucleosides by nitrogen extrusion from pyridazine C-nucleosides. Tetrahedron Letters, 2004, 45, 1031-1033.	1.4	28
22	Reaction of Glyconitriles with Organometallic Reagents: Access to Acyl Î²-C-Glycosides. Journal of Organic Chemistry, 2016, 81, 2364-2371.	3.2	28
23	Stereoselective synthesis of 6-deoxy and 3,6-dideoxy-D-myo-inositol precursors of deoxy-myo-inositol phosphate analogues from D-galactose. Tetrahedron, 1997, 53, 16747-16766.	1.9	27
24	Focus on the Controversial Activation of Human iNKT Cells by 4-Deoxy Analogue of KRN7000. Journal of Medicinal Chemistry, 2009, 52, 4960-4963.	6.4	27
25	Some mechanistic aspects of a nickel-catalyzed electrochemical cross-coupling between aryl halides and substituted chloropyridazines. Electrochimica Acta, 2010, 55, 4495-4500.	5.2	23
26	Advanced preparation of functionalized triarylbismuths and triheteroaryl-bismuths: new scope and alternatives. Tetrahedron Letters, 2012, 53, 1894-1896.	1.4	23
27	1,10â€Phenanthroline and Nonâ€Symmetrical 1,3,5â€Triazine Dipicolinamideâ€Based Ligands For Group Actinide Extraction. Chemistry - A European Journal, 2014, 20, 7819-7829.	3.3	22
28	Total synthesis of myo-inositol-1-phosphate-4,5-pyrophosphate, a novel second messenger analogue, via myo-inositol-1-phosphate-4,5-bisphosphorothioate. Bioorganic and Medicinal Chemistry Letters, 1992, 2, 471-476.	2.2	21
29	3-Fluoro- and 3,3-Difluoro-3,4-dideoxy-KRN7000 Analogues as New Potent Immunostimulator Agents: Total Synthesis and Biological Evaluation in Human Invariant Natural Killer T Cells and Mice. Journal of Medicinal Chemistry, 2012, 55, 1227-1241.	6.4	21
30	A novel synthesis of Î±-d-Galp-(1â†'3)-Î²-d-Galp-1-O-(CH2)3î—¸NH2, its linkage to activated matrices and absorption of anti-Î±Gal xenoantibodies by affinity columns. Carbohydrate Research, 2000, 325, 265-277.	2.3	20
31	A stereo- and regio-controlled synthesis of bromothiophenyl C-nucleosides. Tandem bromination-ribosylation via halogen dance process. Tetrahedron Letters, 2008, 49, 6171-6174.	1.4	19
32	Expedient syntheses of inososes from carbohydrates: conformational and stereoelectronic aspects of the Ferrier reaction. Carbohydrate Research, 1992, 233, C5-C8.	2.3	18
33	Discovery of a Small-Molecule Inhibitor of Interleukin 15: Pharmacophore-Based Virtual Screening and Hit Optimization. Journal of Medicinal Chemistry, 2017, 60, 6249-6272.	6.4	18
34	Asymmetric Synthesis of Cyclohexene Nucleoside Analogues. Journal of Organic Chemistry, 2011, 76, 8059-8063.	3.2	16
35	1-Oxo-1H-phenalene-2,3-dicarbonitrile Heteroaromatic Scaffold: Revised Structure and Mechanistic Studies. Journal of Organic Chemistry, 2014, 79, 9754-9761.	3.2	16
36	Enantioselective synthesis of inositols as intermediates for the preparation of deoxy-inositol phosphates from D-galactose. Bioorganic and Medicinal Chemistry Letters, 1995, 5, 831-834.	2.2	15

#	Article	IF	Citations
37	A possible improvement for structure-based drug design illustrated by the discovery of a Tat HIV-1 inhibitor. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1543-1546.	2.2	15
38	Stereoselective synthesis of inositol mono, bis and trisphosphate analogues from 6-deoxy- d -inositol precursors. Tetrahedron, 1999, 55, 7251-7270.	1.9	13
39	Solvent-free benzylation of polyols by phase-transfer catalysis or supported reagent methods. Carbohydrate Research, 1994, 252, 149-157.	2.3	12
40	Synthesis of D-2-deoxy-myo-inositol 1,3,4,5-tetrakisphosphate from D-glucose. Journal of the Chemical Society Perkin Transactions 1, 1996, , 1365.	0.9	12
41	Synthesis of mono- and polyhydroxylated cyclobutane nucleoside analogs. Tetrahedron, 2005, 61, 7607-7612.	1.9	12
42	Electrochemical Synthesis and Characterisation of Alternating Tripyridylâ€“Dipyrrole Molecular Strands with Multiple Nitrogenâ€Based Donorâ€“Acceptor Binding Sites. Chemistry - A European Journal, 2010, 16, 11876-11889.	3.3	12
43	Theoretical Study of the Structures and Hydrogen-Bond Properties of New Alternated Heterocyclic Compounds. Journal of Physical Chemistry A, 2010, 114, 6413-6422.	2.5	12
44	Pdâ€Catalyzed Chemoselective Crossâ€Coupling Reaction of Triarylâ€•or Triheteroarylbismuth Compounds with 3,6â€Dihalopyridazines. European Journal of Organic Chemistry, 2013, 2013, 117-124.	2.4	12
45	Stereoselective synthesis of myo-inositol-1,3,4,5-tetrakisphosphate analogues from 6-deoxy d-inositol precursors. Tetrahedron, 1999, 55, 7573-7582.	1.9	11
46	Concomitant ring contraction cyclization strategy for the synthesis of novel 4-oxo-4,5-dihydro-pyrroloquinolines. Tetrahedron Letters, 2004, 45, 5913-5916.	1.4	11
47	Synthesis of Ribonucleosidic Dimers with an Amide Linkage from <scp>d</scp>-Xylose. Journal of Organic Chemistry, 2016, 81, 10742-10758.	3.2	11
48	Metalâ€Coordinationâ€Assisted Folding and Guest Binding in Helical Aromatic Oligoamide Molecular Capsules. Angewandte Chemie, 2017, 129, 6927-6931.	2.0	11
49	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.	5.5	11
50	Addition of Organozinc Reagents to Glycopyranosyl Cyanides: Access to Keto Esterâ€‹Câ€glycosides or Unsaturated Acylâ€‹Câ€glycosides. European Journal of Organic Chemistry, 2018, 2018, 1735-1738.	2.4	10
51	Easy Synthesis of Substituted 1,3-Dithiole-2-ylidene Selenophenes from Selenoheterodienes.. Synthetic Communications, 1998, 28, 301-310.	2.1	9
52	Reactivity of 1,1â€²-thiocarbonyldiimidazole with glycosides: a novel and efficient glycosidic activation. Tetrahedron Letters, 2002, 43, 241-244.	1.4	9
53	Lipidic synthetic alkaloids as SK3 channel modulators. Synthesis and biological evaluation of 2-substituted tetrahydropyridine derivatives with potential anti-metastatic activity. European Journal of Medicinal Chemistry, 2020, 186, 111854.	5.5	9
54	Unusual anomeric rearrangement of para-nitrobenzoylxanthate d-glycosides: a new direct stereoselective access to l±-thioglycosides from pyranose sugars. Tetrahedron, 2006, 62, 4784-4794.	1.9	8

#	Article	IF	Citations
55	A Convergent Heteroâ€Ðielsâ€“Alder Strategy for Asymmetric Access to a Lactone Containing Two Lipidic Chains. European Journal of Organic Chemistry, 2012, 2012, 3727-3731.	2.4	8
56	N-Thio- and N-selenophenacylamidines: electrophilic activation as a route to some 1-hetero-3-aza-4-dimethylaminobuta-1,3-dienes. Journal of the Chemical Society Perkin Transactions 1, 1999, , 2821-2828.	0.9	7
57	Rearrangement of 1-O-(thio-p-nitrobenzoyl)thiocarbonyl galactoside: a novel access to Î±-thioglycoside derivatives. Tetrahedron Letters, 2002, 43, 237-239.	1.4	7
58	Synthesis and Biological Evaluation of 4â€²â€C,3â€²â€Oâ€Propyleneâ€Linked Bicyclic Nucleosides. European Journal of Organic Chemistry, 2011, 2011, 7390-7399.	2.4	7
59	A benzyloxy group migration under Mitsunobu reaction conditions. Tetrahedron Letters, 2004, 45, 6461-6463.	1.4	6
60	The selectivity of Marinopyrrole A to induce apoptosis in <scp>MCL</scp>1^{high}<scp>BCL</scp>2^{low} expressing myeloma cells is related to its ability to impair protein translation. British Journal of Haematology, 2018, 180, 157-159.	2.5	6
61	Synthesis of 3â€²-O2-(Azaheterocycle)-Thymidines. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 735-748.	1.1	5
62	Synthesis of deoxy phosphatidylinositol analogues and phosphonate isosters of Ins(1,4,5)P3. Tetrahedron, 1999, 55, 12997-13010.	1.9	4
63	Characterization in the laboratory of VISIR, the mid-infrared imager and spectrometer for the VLT. , 2003, , .		4
64	Rational modification, synthesis and biological evaluation of N-substituted phthalazinone derivatives designed to target interleukine-15 protein. Bioorganic and Medicinal Chemistry, 2021, 39, 116161.	3.0	4
65	Optical design for the 5-28Î¼m NGST infrared imager MIRI. , 2003, , .		3
66	Stereoselective Synthesis of a Bicyclic Norsesquiterpene Backbone â€“ A Possible Route to Nardosinane Derivatives. European Journal of Organic Chemistry, 2013, 2013, 7083-7094.	2.4	3
67	Synthesis and biological evaluation of 3-amino-, 3-alkoxy- and 3-aryloxy-6-(hetero)arylpyridazines as potent antitumor agents. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 755-760.	2.2	3
68	An efficient and simple strategy toward the synthesis of highly functionalized compounds. Phosphorus, Sulfur and Silicon and the Related Elements, 2021, 196, 978-995.	1.6	2
69	Synthesis of Novel Polyhydroxylated Tetrahydropyranopyrroles. Synlett, 2007, 2007, 0403-0406.	1.8	1
70	Antireflection-structured surfaces for mid-infrared entrance windows. , 1998, 3354, 269.		0
71	CAMIRAS 192x128: instrumental upgrades and latest results. , 1998, , .		0
72	O-Dichlorovinyl Osides: A New Anomeric Protecting Group. Synthesis, 2003, 2003, 2831-2834.	2.3	0

#	Article	IF	Citations
73	Concomitant Ring Contraction Cyclization Strategy for the Synthesis of Novel 4-Oxo-4,5-dihydro-pyrroloquinolines.. ChemInform, 2004, 35, no.	0.0	0
74	Ring Contraction Methodology for the Synthesis of Pyrroles. ChemInform, 2005, 36, no.	0.0	0
75	Synthesis of Carbon E,E-Diene Chain-Linked Dinucleotide Analogues. Synlett, 2009, 2009, 3341-3345.	1.8	0