Matthieu Desroses

List of Publications by Citations

30 papers	1,149 citations	16 h-index	33 g-index
37 ext. papers	1,353 ext. citations	9.7 avg, IF	3.3 L-index

#	Paper	IF	Citations
30	MTH1 inhibition eradicates cancer by preventing sanitation of the dNTP pool. *Nature*, **2014**, 508, 215-21	50.4	326
29	Synthetic EthR inhibitors boost antituberculous activity of ethionamide. *Nature Medicine*, **2009**, 15, 537-44	30.5	134
28	Reversion of antibiotic resistance in by spiroisoxazoline SMARt-420. *Science*, **2017**, 355, 1206-1211	33.3	80
27	Crystal structure, biochemical and cellular activities demonstrate separate functions of MTH1 and MTH2. *Nature Communications*, **2015**, 6, 7871	17.4	71
26	Ethionamide boosters: synthesis, biological activity, and structure-activity relationships of a series of 1,2,4-oxadiazole EthR inhibitors. *Journal of Medicinal Chemistry*, **2011**, 54, 2994-3010	8.3	63
25	Crystal structure of human MTH1 and the 8-oxo-dGMP product complex. *FEBS Letters*, **2011**, 585, 2617-21	3.8	62
24	Ethionamide boosters. 2. Combining bioisosteric replacement and structure-based drug design to solve pharmacokinetic issues in a series of potent 1,2,4-oxadiazole EthR inhibitors. *Journal of Medicinal Chemistry*, **2012**, 55, 68-83	8.3	60
23	Exploring drug target flexibility using in situ click chemistry: application to a mycobacterial transcriptional regulator. *ACS Chemical Biology*, **2010**, 5, 1007-13	4.9	51
22	A microwave-assisted, propylphosphonic anhydride (T3P) mediated one-pot Fischer indole synthesis. *Tetrahedron Letters*, **2011**, 52, 4417-4420	2	45
21	Discovery of novel N-phenylphenoxyacetamide derivatives as EthR inhibitors and ethionamide boosters by combining high-throughput screening and synthesis. *Journal of Medicinal Chemistry*, **2012**, 55, 6391-402	8.3	36
20	A new concise synthesis of 2,3-dihydroquinazolin-4(1H)-one derivatives. *New Journal of Chemistry*, **2013**, 37, 3595	3.6	30
19	DXR inhibition by potent mono- and disubstituted fosmidomycin analogues. *Journal of Medicinal Chemistry*, **2013**, 56, 6190-9	8.3	25
18	Vinylic MIDA Boronates: New Building Blocks for the Synthesis of Aza-Heterocycles. *Chemistry - A European Journal*, **2015**, 21, 7394-8	4.8	20
17	Synthesis of sugar-based ethenyl ethers through a vinyl bis-sulfone methodology. *Tetrahedron*, **2003**, 59, 4563-4572	2.4	19
16	Sugar-based ethenyl ethers: stereoselective dipolar cycloadditions of nitrile oxides. *Tetrahedron: Asymmetry*, **2002**, 13, 2535-2539		18
15	dUTPase inhibition augments replication defects of 5-Fluorouracil. *Oncotarget*, **2017**, 8, 23713-23726	3.3	18
14	Piperazin-1-ylpyridazine Derivatives Are a Novel Class of Human dCTP Pyrophosphatase 1 Inhibitors. *Journal of Medicinal Chemistry*, **2017**, 60, 4279-4292	8.3	14

List of Publications

13	A Convenient Microwave-Assisted Propylphosphonic Anhydride (T3P□) Mediated One-Pot Pyrazolone Synthesis. *European Journal of Organic Chemistry*, **2013**, 2013, 5879-5885	3.2	14
12	Derivatives of Iressa, a specific epidermal growth factor receptor inhibitor, are powerful apoptosis inducers in PC3 prostatic cancer cells. *ChemMedChem*, **2007**, 2, 318-32	3.7	13
11	STAT3 differential scanning fluorimetry and differential scanning light scattering assays: Addressing a missing link in the characterization of STAT3 inhibitor interactions. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 160, 80-88	3.5	11
10	A facile and efficient synthesis of tetrahydro-□carbolines. *Tetrahedron Letters*, **2013**, 54, 3554-3557	2	11
9	Structural analysis of the interaction between spiroisoxazoline SMARt-420 and the Mycobacterium tuberculosis repressor EthR2. *Biochemical and Biophysical Research Communications*, **2017**, 487, 403-408	3.4	5
8	The Next Step Forward in Ubiquitin-Specific Protease 7 Selective Inhibition. *Cell Chemical Biology*, **2017**, 24, 1429-1431	8.2	5
7	Development of a chemical probe against NUDT15. *Nature Chemical Biology*, **2020**, 16, 1120-1128	11.7	5
6	Validating Signal Transducer and Activator of Transcription (STAT) Protein-Inhibitor Interactions Using Biochemical and Cellular Thermal Shift Assays. *ACS Chemical Biology*, **2020**, 15, 1842-1851	4.9	4
5	SYNTHESIS OF UNSYMMETRICAL DIALKOXY QUINAZOLINES. *Organic Preparations and Procedures International*, **2004**, 36, 445-452	1.1	4
4	Crystal structures of NUDT15 variants enabled by a potent inhibitor reveal the structural basis for thiopurine sensitivity. *Journal of Biological Chemistry*, **2021**, 296, 100568	5.4	2
3	Pharmacological targeting of MTHFD2 suppresses acute myeloid leukemia by inducing thymidine depletion and replication stress.. *Nature Cancer*, **2022**, 3, 156-172	15.4	2
2	NUDT15-mediated hydrolysis limits the efficacy of anti-HCMV drug ganciclovir. *Cell Chemical Biology*, **2021**,	8.2	1
1	Structure-metabolism-relationships in the microsomal clearance of piperazin-1-ylpyridazines. *MedChemComm*, **2017**, 8, 1553-1560	5	0