Matthieu Desroses

List of Publications by Year
in descending order

31	1,487	430874 18	434195 31
papers	citations	h-index	g-index

37	37	37	2327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MTH1 inhibition eradicates cancer by preventing sanitation of the dNTP pool. Nature, 2014, 508, 215-221.	27.8	419
2	Synthetic EthR inhibitors boost antituberculous activity of ethionamide. Nature Medicine, 2009, 15, 537-544.	30.7	162
3	Reversion of antibiotic resistance in Mycobacterium tuberculosis by spiroisoxazoline SMARt-420. Science, 2017, 355, 1206-1211.	12.6	119
4	Crystal structure, biochemical and cellular activities demonstrate separate functions of MTH1 and MTH2. Nature Communications, 2015, 6, 7871.	12.8	96
5	Ethionamide Boosters: Synthesis, Biological Activity, and Structureâ^'Activity Relationships of a Series of 1,2,4-Oxadiazole EthR Inhibitors. Journal of Medicinal Chemistry, 2011, 54, 2994-3010.	6.4	73
6	Crystal structure of human MTH1 and the 8-oxo-dGMP product complex. FEBS Letters, 2011, 585, 2617-2621.	2.8	70
7	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.	6.4	69
8	Exploring Drug Target Flexibility Using in Situ Click Chemistry: Application to a Mycobacterial Transcriptional Regulator. ACS Chemical Biology, 2010, 5, 1007-1013.	3.4	60
9	A microwave-assisted, propylphosphonic anhydride (T3PÂ®) mediated one-pot Fischer indole synthesis. Tetrahedron Letters, 2011, 52, 4417-4420.	1.4	47
10	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, 6391-6402.	6.4	45
11	A new concise synthesis of 2,3-dihydroquinazolin-4(1H)-one derivatives. New Journal of Chemistry, 2013, 37, 3595.	2.8	36
12	Pharmacological targeting of MTHFD2 suppresses acute myeloid leukemia by inducing thymidine depletion and replication stress. Nature Cancer, 2022, 3, 156-172.	13.2	30
13	DXR Inhibition by Potent Mono- and Disubstituted Fosmidomycin Analogues. Journal of Medicinal Chemistry, 2013, 56, 6190-6199.	6.4	28
14	dUTPase inhibition augments replication defects of 5-Fluorouracil. Oncotarget, 2017, 8, 23713-23726.	1.8	27
15	Vinylic MIDA Boronates: New Building Blocks for the Synthesis of Azaâ€Heterocycles. Chemistry - A European Journal, 2015, 21, 7394-7398.	3.3	23
16	Synthesis of sugar-based ethenyl ethers through a vinyl bis-sulfone methodology. Tetrahedron, 2003, 59, 4563-4572.	1.9	21
17	Sugar-based ethenyl ethers: stereoselective dipolar cycloadditions of nitrile oxides. Tetrahedron: Asymmetry, 2002, 13, 2535-2539.	1.8	20
18	Piperazin-1-ylpyridazine Derivatives Are a Novel Class of Human dCTP Pyrophosphatase 1 Inhibitors. Journal of Medicinal Chemistry, 2017, 60, 4279-4292.	6.4	19

#	Article	IF	Citations
19	A Convenient Microwaveâ€Assisted Propylphosphonic Anhydride (T3P^{Â®}) Mediated Oneâ€Pot Pyrazolone Synthesis. European Journal of Organic Chemistry, 2013, 2013, 5879-5885.	2.4	16
20	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.	2.8	14
21	Development of a chemical probe against NUDT15. Nature Chemical Biology, 2020, 16, 1120-1128.	8.0	14
22	Derivatives of Iressa, a Specific Epidermal Growth Factor Receptor Inhibitor, are Powerful Apoptosis Inducers in PC3 Prostatic Cancer Cells. ChemMedChem, 2007, 2, 318-332.	3.2	13
23	A facile and efficient synthesis of tetrahydro-Î²-carbolines. Tetrahedron Letters, 2013, 54, 3554-3557.	1.4	13
24	Validating Signal Transducer and Activator of Transcription (STAT) Proteinâ€“Inhibitor Interactions Using Biochemical and Cellular Thermal Shift Assays. ACS Chemical Biology, 2020, 15, 1842-1851.	3.4	12
25	Structural analysis of the interaction between spiroisoxazoline SMARt-420 and the Mycobacterium tuberculosis repressor EthR2. Biochemical and Biophysical Research Communications, 2017, 487, 403-408.	2.1	9
26	NUDT15-mediated hydrolysis limits the efficacy of anti-HCMV drug ganciclovir. Cell Chemical Biology, 2021, 28, 1693-1702.e6.	5.2	9
27	The Next Step Forward in Ubiquitin-Specific Protease 7 Selective Inhibition. Cell Chemical Biology, 2017, 24, 1429-1431.	5.2	8
28	Crystal structures of NUDT15 variants enabled by a potent inhibitor reveal the structural basis for thiopurine sensitivity. Journal of Biological Chemistry, 2021, 296, 100568.	3.4	8
29	SYNTHESIS OF UNSYMMETRICAL DIALKOXY QUINAZOLINES. Organic Preparations and Procedures International, 2004, 36, 445-452.	1.3	5
30	Structureâ€“metabolism-relationships in the microsomal clearance of piperazin-1-ylpyridazines. MedChemComm, 2017, 8, 1553-1560.	3.4	1
31	Synthesis of Unsymmetrical Dialkoxy Quinazolines.. ChemInform, 2005, 36, no.	0.0	0