

Matthieu Desroses

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Pharmacological targeting of MTHFD2 suppresses acute myeloid leukemia by inducing thymidine depletion and replication stress.. <i>Nature Cancer</i> , 2022 , 3, 156-172	15.4	2
29	NUDT15-mediated hydrolysis limits the efficacy of anti-HCMV drug ganciclovir. <i>Cell Chemical Biology</i> , 2021 ,	8.2	1
28	Crystal structures of NUDT15 variants enabled by a potent inhibitor reveal the structural basis for thiopurine sensitivity. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100568	5.4	2
27	Validating Signal Transducer and Activator of Transcription (STAT) Protein-Inhibitor Interactions Using Biochemical and Cellular Thermal Shift Assays. <i>ACS Chemical Biology</i> , 2020 , 15, 1842-1851	4.9	4
26	Development of a chemical probe against NUDT15. <i>Nature Chemical Biology</i> , 2020 , 16, 1120-1128	11.7	5
25	STAT3 differential scanning fluorimetry and differential scanning light scattering assays: Addressing a missing link in the characterization of STAT3 inhibitor interactions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 160, 80-88	3.5	11
24	Structural analysis of the interaction between spiroisoxazoline SMART-420 and the Mycobacterium tuberculosis repressor EthR2. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 487, 403-408	3.4	5
23	Piperazin-1-ylpyridazine Derivatives Are a Novel Class of Human dCTP Pyrophosphatase 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 4279-4292	8.3	14
22	Reversion of antibiotic resistance in by spiroisoxazoline SMART-420. <i>Science</i> , 2017 , 355, 1206-1211	33.3	80
21	Structure-metabolism-relationships in the microsomal clearance of piperazin-1-ylpyridazines. <i>MedChemComm</i> , 2017 , 8, 1553-1560	5	0
20	The Next Step Forward in Ubiquitin-Specific Protease 7 Selective Inhibition. <i>Cell Chemical Biology</i> , 2017 , 24, 1429-1431	8.2	5
19	dUTPase inhibition augments replication defects of 5-Fluorouracil. <i>Oncotarget</i> , 2017 , 8, 23713-23726	3.3	18
18	Crystal structure, biochemical and cellular activities demonstrate separate functions of MTH1 and MTH2. <i>Nature Communications</i> , 2015 , 6, 7871	17.4	71
17	Vinylidic MIDA Boronates: New Building Blocks for the Synthesis of Aza-Heterocycles. <i>Chemistry - A European Journal</i> , 2015 , 21, 7394-8	4.8	20
16	MTH1 inhibition eradicates cancer by preventing sanitation of the dNTP pool. <i>Nature</i> , 2014 , 508, 215-21	50.4	326
15	DXR inhibition by potent mono- and disubstituted fosmidomycin analogues. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 6190-9	8.3	25
14	A Convenient Microwave-Assisted Propylphosphonic Anhydride (T3P) Mediated One-Pot Pyrazolone Synthesis. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 5879-5885	3.2	14

13	A new concise synthesis of 2,3-dihydroquinazolin-4(1H)-one derivatives. <i>New Journal of Chemistry</i> , 2013 , 37, 3595	3.6	30
12	A facile and efficient synthesis of tetrahydro- β -carbolines. <i>Tetrahedron Letters</i> , 2013 , 54, 3554-3557	2	11
11	Discovery of novel N-phenylphenoxyacetamide derivatives as EthR inhibitors and ethionamide boosters by combining high-throughput screening and synthesis. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 6391-402	8.3	36
10	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. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 68-83	8.3	60
9	Crystal structure of human MTH1 and the 8-oxo-dGMP product complex. <i>FEBS Letters</i> , 2011 , 585, 2617-248		62
8	Ethionamide boosters: synthesis, biological activity, and structure-activity relationships of a series of 1,2,4-oxadiazole EthR inhibitors. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 2994-3010	8.3	63
7	A microwave-assisted, propylphosphonic anhydride (T3P [®]) mediated one-pot Fischer indole synthesis. <i>Tetrahedron Letters</i> , 2011 , 52, 4417-4420	2	45
6	Exploring drug target flexibility using in situ click chemistry: application to a mycobacterial transcriptional regulator. <i>ACS Chemical Biology</i> , 2010 , 5, 1007-13	4.9	51
5	Synthetic EthR inhibitors boost antituberculous activity of ethionamide. <i>Nature Medicine</i> , 2009 , 15, 537-44.5	4.5	134
4	Derivatives of Iressa, a specific epidermal growth factor receptor inhibitor, are powerful apoptosis inducers in PC3 prostatic cancer cells. <i>ChemMedChem</i> , 2007 , 2, 318-32	3.7	13
3	SYNTHESIS OF UNSYMMETRICAL DIALKOXY QUINAZOLINES. <i>Organic Preparations and Procedures International</i> , 2004 , 36, 445-452	1.1	4
2	Synthesis of sugar-based ethenyl ethers through a vinyl bis-sulfone methodology. <i>Tetrahedron</i> , 2003 , 59, 4563-4572	2.4	19
1	Sugar-based ethenyl ethers: stereoselective dipolar cycloadditions of nitrile oxides. <i>Tetrahedron: Asymmetry</i> , 2002 , 13, 2535-2539		18