Martin Scobie

List of Publications by Year
in descending order

29 papers	1,281 citations	471509 17 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	2304 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	Small-molecule inhibitor of OGG1 suppresses proinflammatory gene expression and inflammation. Science, 2018, 362, 834-839.	12.6	156
3	Cancer-Specific Synthetic Lethality between ATR and CHK1 Kinase Activities. Cell Reports, 2016, 14, 298-309.	6.4	105
4	Rational design and validation of a Tip60 histone acetyltransferase inhibitor. Scientific Reports, 2014, 4, 5372.	3.3	103
5	Targeted NUDT5 inhibitors block hormone signaling in breast cancer cells. Nature Communications, 2018, 9, 250.	12.8	56
6	Discovery of the First Potent and Selective Inhibitors of Human dCTP Pyrophosphatase 1. Journal of Medicinal Chemistry, 2016, 59, 1140-1148.	6.4	40
7	A patient-derived xenograft pre-clinical trial reveals treatment responses and a resistance mechanism to karonudib in metastatic melanoma. Cell Death and Disease, 2018, 9, 810.	6.3	38
8	A new concise synthesis of 2,3-dihydroquinazolin-4(1H)-one derivatives. New Journal of Chemistry, 2013, 37, 3595.	2.8	36
9	Fragment-Based Discovery and Optimization of Enzyme Inhibitors by Docking of Commercial Chemical Space. Journal of Medicinal Chemistry, 2017, 60, 8160-8169.	6.4	32
10	Pharmacological targeting of MTHFD2 suppresses acute myeloid leukemia by inducing thymidine depletion and replication stress. Nature Cancer, 2022, 3, 156-172.	13.2	30
11	Targeting OGG1 arrests cancer cell proliferation by inducing replication stress. Nucleic Acids Research, 2020, 48, 12234-12251.	14.5	29
12	dUTPase inhibition augments replication defects of 5-Fluorouracil. Oncotarget, 2017, 8, 23713-23726.	1.8	27
13	Application of combinatorial techniques in the synthesis of unsymmetrically substituted 5,15-diphenylporphyrins. Tetrahedron Letters, 2000, 41, 2753-2757.	1.4	20
14	Small-molecule activation of OGG1 increases oxidative DNA damage repair by gaining a new function. Science, 2022, 376, 1471-1476.	12.6	20
15	Parallel synthesis of unsymmetrically substituted tetraphenyl porphyrins on Wang resin. Tetrahedron Letters, 2003, 44, 5083-5086.	1.4	19
16	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
17	Computational and Experimental Druggability Assessment of Human DNA Glycosylases. ACS Omega, 2019, 4, 11642-11656.	3.5	19
18	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

#	Article	IF	Citations
19	MTH1 Inhibitor TH1579 Induces Oxidative DNA Damage and Mitotic Arrest in Acute Myeloid Leukemia. Cancer Research, 2021, 81, 5733-5744.	0.9	15
20	Identification of Triazolothiadiazoles as Potent Inhibitors of the dCTP Pyrophosphatase 1. Journal of Medicinal Chemistry, 2017, 60, 2148-2154.	6.4	14
21	Development of a chemical probe against NUDT15. Nature Chemical Biology, 2020, 16, 1120-1128.	8.0	14
22	A facile and efficient synthesis of tetrahydro-Î²-carbolines. Tetrahedron Letters, 2013, 54, 3554-3557.	1.4	13
23	MTH1 Inhibitors for the Treatment of Psoriasis. Journal of Investigative Dermatology, 2021, 141, 2037-2048.e4.	0.7	10
24	NUDT15-mediated hydrolysis limits the efficacy of anti-HCMV drug ganciclovir. Cell Chemical Biology, 2021, 28, 1693-1702.e6.	5.2	9
25	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
26	Diverse heterocyclic scaffolds as dCTP pyrophosphatase 1 inhibitors. Part 2: Pyridone- and pyrimidinone-derived systems. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3219-3225.	2.2	4
27	Rapid and Convenient Microwave-Assisted Synthesis of Primary Amines via Reductive N-Alkylation of Methyl Carbamate with Aldehydes. Synthesis, 2008, 2008, 1679-1681.	2.3	3
28	Diverse heterocyclic scaffolds as dCTP pyrophosphatase 1 inhibitors. Part 1: Triazoles, triazolopyrimidines, triazinoindoles, quinoline hydrazones and arylpiperazines. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3897-3904.	2.2	2
29	Structureâ€“metabolism-relationships in the microsomal clearance of piperazin-1-ylpyridazines. MedChemComm, 2017, 8, 1553-1560.	3.4	1