

Sean G Rudd

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,163
citations

567144

15
h-index

552653

26
g-index

33
all docs

33
docs citations

33
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	PrimPol Bypasses UV Photoproducts during Eukaryotic Chromosomal DNA Replication. <i>Molecular Cell</i> , 2013, 52, 566-573.	4.5	235
2	Validation and development of MTH1 inhibitors for treatment of cancer. <i>Annals of Oncology</i> , 2016, 27, 2275-2283.	0.6	111
3	Targeting SAMHD1 with the Vpx protein to improve cytarabine therapy for hematological malignancies. <i>Nature Medicine</i> , 2017, 23, 256-263.	15.2	102
4	Human PrimPol is a highly error-prone polymerase regulated by single-stranded DNA binding proteins. <i>Nucleic Acids Research</i> , 2015, 43, 1056-1068.	6.5	93
5	Nucleobase and Nucleoside Analogues: Resistance and Re-Sensitisation at the Level of Pharmacokinetics, Pharmacodynamics and Metabolism. <i>Cancers</i> , 2018, 10, 240.	1.7	80
6	SAMHD1 protects cancer cells from various nucleoside-based antimetabolites. <i>Cell Cycle</i> , 2017, 16, 1029-1038.	1.3	56
7	Targeted NUDT5 inhibitors block hormone signaling in breast cancer cells. <i>Nature Communications</i> , 2018, 9, 250.	5.8	56
8	PPL2 Translesion Polymerase Is Essential for the Completion of Chromosomal DNA Replication in the African Trypanosome. <i>Molecular Cell</i> , 2013, 52, 554-565.	4.5	54
9	Pathways controlling dNTP pools to maintain genome stability. <i>DNA Repair</i> , 2016, 44, 193-204.	1.3	49
10	With me or against me: Tumor suppressor and drug resistance activities of SAMHD1. <i>Experimental Hematology</i> , 2017, 52, 32-39.	0.2	43
11	WT1 and its transcriptional cofactor BASP1 redirect the differentiation pathway of an established blood cell line. <i>Biochemical Journal</i> , 2011, 435, 113-125.	1.7	36
12	PrimPol – A new polymerase on the block. <i>Molecular and Cellular Oncology</i> , 2014, 1, e960754.	0.3	35
13	Ribonucleotide reductase inhibitors suppress SAMHD1 CTPase activity enhancing cytarabine efficacy. <i>EMBO Molecular Medicine</i> , 2020, 12, e10419.	3.3	35
14	Low-level expression of SAMHD1 in acute myeloid leukemia (AML) blasts correlates with improved outcome upon consolidation chemotherapy with high-dose cytarabine-based regimens. <i>Blood Cancer Journal</i> , 2018, 8, 98.	2.8	28
15	Cell Cycle Profiling Reveals Protein Oscillation, Phosphorylation, and Localization Dynamics. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 608-623.	2.5	22
16	hMYH and hMTH1 cooperate for survival in mismatch repair defective T-cell acute lymphoblastic leukemia. <i>Oncogenesis</i> , 2016, 5, e275-e275.	2.1	16
17	MTH1 Inhibitor TH588 Disturbs Mitotic Progression and Induces Mitosis-Dependent Accumulation of Genomic 8-oxodG. <i>Cancer Research</i> , 2020, 80, 3530-3541.	0.4	16
18	Development of a chemical probe against NUDT15. <i>Nature Chemical Biology</i> , 2020, 16, 1120-1128.	3.9	14

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19	SAMHD1 is a barrier to antimetabolite-based cancer therapies. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1287554.	0.3	13
20	Targeting the DNA damage response and repair in cancer through nucleotide metabolism. <i>Molecular Oncology</i> , 2022, 16, 3792-3810.	2.1	13
21	Mutant p53-reactivating compound APR-246 synergizes with asparaginase in inducing growth suppression in acute lymphoblastic leukemia cells. <i>Cell Death and Disease</i> , 2021, 12, 709.	2.7	11
22	Drug synergy scoring using minimal dose response matrices. <i>BMC Research Notes</i> , 2021, 14, 27.	0.6	11
23	NUDT15-mediated hydrolysis limits the efficacy of anti-HCMV drug ganciclovir. <i>Cell Chemical Biology</i> , 2021, 28, 1693-1702.e6.	2.5	9
24	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.	1.6	8
25	A High-Throughput Enzyme-Coupled Activity Assay to Probe Small Molecule Interaction with the dNTPase SAMHD1. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
26	The prognostic and clinicopathological significance of desmoglein 2 in human cancers: a systematic review and meta-analysis. <i>PeerJ</i> , 2022, 10, e13141.	0.9	2
27	Abstract 1260: Polymerase kappa determines the sensitivity of MTH1 inhibitors to cisplatin-resistant cell. , 2016, , .		0
28	Abstract 105: MTH1 promotes mitotic progression to avoid oxidative DNA damage in cancer cells. , 2019, , .		0