Lih-Wen Deng

List of Publications by Year
in descending order

45 papers	1,868 citations	279487 23 h-index	264894 42 g-index
49 all docs	49 docs citations	49 times ranked	2785 citing authors

#	Article	IF	Citations
1	The Slow-Releasing Hydrogen Sulfide Donor, GYY4137, Exhibits Novel Anti-Cancer Effects In Vitro and In Vivo. PLoS ONE, 2011, 6, e21077.	1.1	284
2	Structural Basis for the Inhibition Mechanism of Human Cystathionine Î³-Lyase, an Enzyme Responsible for the Production of H2S. Journal of Biological Chemistry, 2009, 284, 3076-3085.	1.6	166
3	A Radical Smiles Rearrangement Promoted by Neutral Eosin Y as a Direct Hydrogen Atom Transfer Photocatalyst. Journal of the American Chemical Society, 2020, 142, 11357-11362.	6.6	95
4	Regulation of Heart Function by Endogenous Gaseous Mediatorsâ€"Crosstalk Between Nitric Oxide and Hydrogen Sulfide. Antioxidants and Redox Signaling, 2011, 14, 2081-2091.	2.5	92
5	Hydrogen sulfide donors in research and drug development. MedChemComm, 2014, 5, 557-570.	3.5	84
6	Molecular basis for chromatin binding and regulation of MLL5. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11296-11301.	3.3	72
7	Discovery of New H₂S Releasing Phosphordithioates and 2,3-Dihydro-2-phenyl-2-sulfanylenebenzo[d][1,3,2]oxazaphospholes with Improved Antiproliferative Activity. Journal of Medicinal Chemistry, 2015, 58, 6456-6480.	2.9	71
8	Nickel(II) Dithiocarbamate Complexes Containing Sulforhodamine B as Fluorescent Probes for Selective Detection of Nitrogen Dioxide. Journal of the American Chemical Society, 2013, 135, 5312-5315.	6.6	64
9	MLL5 (KMT2E): structure, function, and clinical relevance. Cellular and Molecular Life Sciences, 2017, 74, 2333-2344.	2.4	62
10	MLL 5 protein forms intranuclear foci, and overexpression inhibits cell cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 757-762.	3.3	59
11	Premature activation of Cdk1 leads to mitotic events in S phase and embryonic lethality. Oncogene, 2019, 38, 998-1018.	2.6	56
12	Delineating the Site of Interaction on the pIII Protein of Filamentous Bacteriophage fd with the F-pilus of Escherichia coli. Journal of Molecular Biology, 2002, 319, 603-614.	2.0	53
13	Site-Directed Mutagenesis on Human Cystathionine-Î³-Lyase Reveals Insights into the Modulation of H2S Production. Journal of Molecular Biology, 2010, 396, 708-718.	2.0	53
14	Automated synthesis of prexasertib and derivatives enabled by continuous-flow solid-phase synthesis. Nature Chemistry, 2021, 13, 451-457.	6.6	51
15	Interaction of the Globular Domains of pIII Protein of Filamentous Bacteriophage fd with the F-Pilus ofEscherichia coli. Virology, 1999, 253, 271-277.	1.1	49
16	Fatty acid oxidation is a druggable gateway regulating cellular plasticity for driving metastasis in breast cancer. Science Advances, 2021, 7, eabh2443.	4.7	42
17	The cystathionine Î³-lyase/hydrogen sulfide system maintains cellular glutathione status. Biochemical Journal, 2014, 460, 425-435.	1.7	40
18	HURP Regulates Chromosome Congression by Modulating Kinesin Kif18A Function. Current Biology, 2011, 21, 1584-1591.	1.8	38

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19	Rap1 regulates hematopoietic stem cell survival and affects oncogenesis and response to chemotherapy. Nature Communications, 2019, 10, 5349.	5.8	37
20	RNA interference against mixed lineage leukemia 5 resulted in cell cycle arrest. International Journal of Biochemistry and Cell Biology, 2008, 40, 2472-2481.	1.2	36
21	Hydrogen sulphide (H2S) releasing capacity of essential oils isolated from organosulphur rich fruits and vegetables. Journal of Functional Foods, 2015, 14, 634-640.	1.6	34
22	Highly Selective and Sensitive Nearâ€Infraredâ€Fluorescent Probes for the Detection of Cellular Hydrogen Sulfide and the Imaging of H₂S in Mice. Chemistry - an Asian Journal, 2014, 9, 3604-3611.	1.7	32
23	Gene profiling reveals hydrogen sulphide recruits death signaling via the Nâ€methylâ€<scp>D</scp>â€aspartate receptor identifying commonalities with excitotoxicity. Journal of Cellular Physiology, 2011, 226, 1308-1322.	2.0	30
24	Role of H2S Donors in Cancer Biology. Handbook of Experimental Pharmacology, 2015, 230, 243-265.	0.9	25
25	Intracellular Hyper-Acidification Potentiated by Hydrogen Sulfide Mediates Invasive and Therapy Resistant Cancer Cell Death. Frontiers in Pharmacology, 2017, 8, 763.	1.6	25
26	Cysteine Deprivation Targets Ovarian Clear Cell Carcinoma Via Oxidative Stress and Ironâ^'Sulfur Cluster Biogenesis Deficit. Antioxidants and Redox Signaling, 2020, 33, 1191-1208.	2.5	25
27	A Novel MLL5 Isoform That Is Essential to Activate E6 and E7 Transcription in HPV16/18-Associated Cervical Cancers. Cancer Research, 2011, 71, 6696-6707.	0.4	24
28	TIP60 represses telomerase expression by inhibiting Sp1 binding to the TERT promoter. PLoS Pathogens, 2017, 13, e1006681.	2.1	24
29	Redox-sensitive cyclophilin A elicits chemoresistance through realigning cellular oxidative status in colorectal cancer. Cell Reports, 2021, 37, 110069.	2.9	23
30	A highly efficient non-viral process for programming mesenchymal stem cells for gene directed enzyme prodrug cancer therapy. Scientific Reports, 2020, 10, 14257.	1.6	17
31	Phosphorylation of Mixed Lineage Leukemia 5 by Cdc2 Affects Its Cellular Distribution and Is Required for Mitotic Entry. Journal of Biological Chemistry, 2010, 285, 20904-20914.	1.6	15
32	Cyclic polysulphide 1,2,4-trithiolane from stinky bean (Parkia speciosa seeds) is a slow releasing hydrogen sulphide (H2S) donor. Journal of Functional Foods, 2017, 35, 197-204.	1.6	14
33	Biological Effects of Morpholin-4-ium 4 Methoxyphenyl (Morpholino) Phosphinodithioate and Other Phosphorothioate-Based Hydrogen Sulfide Donors. Antioxidants and Redox Signaling, 2020, 32, 145-158.	2.5	14
34	MLL5 Maintains Genomic Integrity by Regulating the Stability of the Chromosomal Passenger Complex via a Functional Interaction with Borealin. Journal of Cell Science, 2012, 125, 4676-85.	1.2	10
35	O-GlcNAcylation of MLL5Î² is essential for MLL5Î²â€“AP-1 transcription complex assembly at the HPV16/18-long control region. Journal of Molecular Cell Biology, 2015, 7, 180-183.	1.5	10
36	GAGE mediates radio resistance in cervical cancers via the regulation of chromatin accessibility. Cell Reports, 2021, 36, 109621.	2.9	10

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37	Discovery of medium ring thiophosphorus based heterocycles as antiproliferative agents. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 967-972.	1.0	9
38	The Chemistry and Biology of Nakiterpiosin â€“ C-nor-D-Homosteroids. Synlett, 2012, 23, 2298-2310.	1.0	7
39	Targeted Silencing of MLL5Î² Inhibits Tumor Growth and Promotes Gamma-Irradiation Sensitization in HPV16/18-Associated Cervical Cancers. Molecular Cancer Therapeutics, 2014, 13, 2572-2582.	1.9	6
40	MLL5 maintains spindle bipolarity by preventing aberrant cytosolic aggregation of PLK1. Journal of Cell Biology, 2016, 212, 829-843.	2.3	4
41	120 Phage-display of antigenic peptides applied to vaccine design. Biochemical Society Transactions, 1998, 26, S8-S8.	1.6	1
42	MLL5 is involved in retinal photoreceptor maturation through facilitating CRX-mediated photoreceptor gene transactivation. IScience, 2022, 25, 104058.	1.9	1
43	Cysteine Metabolism in Cancer Progression and Therapy Resistance. , 2021, , 155-191.		0
44	PHOSPHORYLATION REGULATION OF MIXED LINEAGE LEUKEMIA 5. FASEB Journal, 2010, 24, lb152.	0.2	0
45	Enzymology. , 2013, , 95-116.		0