Junyan Lu

List of Publications by Year
in descending order

44 papers	2,395 citations	304743 22 h-index	265206 42 g-index
53 all docs	53 docs citations	53 times ranked	4584 citing authors

#	Article	IF	Citations
1	Thymine DNA glycosylase specifically recognizes 5-carboxylcytosine-modified DNA. Nature Chemical Biology, 2012, 8, 328-330.	8.0	273
2	Computational drug discovery. Acta Pharmacologica Sinica, 2012, 33, 1131-1140.	6.1	238
3	Structural insight into substrate preference for TET-mediated oxidation. Nature, 2015, 527, 118-122.	27.8	213
4	Inhibition of human copper trafficking by a small molecule significantly attenuates cancer cell proliferation. Nature Chemistry, 2015, 7, 968-979.	13.6	205
5	Reduction of Liver Metastasis Stiffness Improves Response to Bevacizumab in Metastatic Colorectal Cancer. Cancer Cell, 2020, 37, 800-817.e7.	16.8	179
6	Active, phosphorylated fingolimod inhibits histone deacetylases and facilitates fear extinction memory. Nature Neuroscience, 2014, 17, 971-980.	14.8	178
7	Drug-perturbation-based stratification of blood cancer. Journal of Clinical Investigation, 2017, 128, 427-445.	8.2	124
8	Astemizole Arrests the Proliferation of Cancer Cells by Disrupting the EZH2-EED Interaction of Polycomb Repressive Complex 2. Journal of Medicinal Chemistry, 2014, 57, 9512-9521.	6.4	96
9	Discovery and Optimization of Novel, Selective Histone Methyltransferase SET7 Inhibitors by Pharmacophore- and Docking-Based Virtual Screening. Journal of Medicinal Chemistry, 2015, 58, 8166-8181.	6.4	59
10	The proliferative history shapes the DNA methylome of B-cell tumors and predicts clinical outcome. Nature Cancer, 2020, 1, 1066-1081.	13.2	51
11	Helix Unfolding/Refolding Characterizes the Functional Dynamics of Staphylococcus aureus Clp Protease. Journal of Biological Chemistry, 2013, 288, 17643-17653.	3.4	49
12	Network modelling reveals the mechanism underlying colitis-associated colon cancer and identifies novel combinatorial anti-cancer targets. Scientific Reports, 2015, 5, 14739.	3.3	49
13	IGLV3-21R110 identifies an aggressive biological subtype of chronic lymphocytic leukemia with intermediate epigenetics. Blood, 2021, 137, 2935-2946.	1.4	49
14	Catalytic Mechanism Investigation of Lysine-Specific Demethylase 1 (LSD1): A Computational Study. PLoS ONE, 2011, 6, e25444.	2.5	42
15	Inhibition of Eukaryotic Translation by the Antitumor Natural Product Agelastatin A. Cell Chemical Biology, 2017, 24, 605-613.e5.	5.2	41
16	FTY720 Induces Apoptosis of M2 Subtype Acute Myeloid Leukemia Cells by Targeting Sphingolipid Metabolism and Increasing Endogenous Ceramide Levels. PLoS ONE, 2014, 9, e103033.	2.5	40
17	A quantum mechanics/molecular mechanics study on the hydrolysis mechanism of New Delhi metallo-Î²-lactamase-1. Journal of Computer-Aided Molecular Design, 2013, 27, 247-256.	2.9	36
18	Multi-omics reveals clinically relevant proliferative drive associated with mTOR-MYC-OXPHOS activity in chronic lymphocytic leukemia. Nature Cancer, 2021, 2, 853-864.	13.2	32

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19	Investigation of the Acetylation Mechanism by GCN5 Histone Acetyltransferase. PLoS ONE, 2012, 7, e36660.	2.5	32
20	Catalytic Mechanism of Histone Acetyltransferase p300: From the Proton Transfer to Acetylation Reaction. Journal of Physical Chemistry B, 2014, 118, 2009-2019.	2.6	28
21	Identification of Novel Disruptor of Telomeric Silencing 1-like (DOT1L) Inhibitors through Structure-Based Virtual Screening and Biological Assays. Journal of Chemical Information and Modeling, 2016, 56, 527-534.	5.4	27
22	Molecularâ€Dynamicsâ€Simulationâ€Driven Design of a Proteaseâ€Responsive Probe for Inâ€Vivo Tumor Imaging. Advanced Materials, 2014, 26, 8174-8178.	21.0	26
23	Developmental subtypes assessed by DNA methylation-iPLEX forecast the natural history of chronic lymphocytic leukemia. Blood, 2019, 134, 688-698.	1.4	26
24	TRRAP is essential for regulating the accumulation of mutant and wild-type p53 in lymphoma. Blood, 2018, 131, 2789-2802.	1.4	25
25	IgCaller for reconstructing immunoglobulin gene rearrangements and oncogenic translocations from whole-genome sequencing in lymphoid neoplasms. Nature Communications, 2020, 11, 3390.	12.8	24
26	A computational investigation on the substrate preference of ten-eleven-translocation 2 (TET2). Physical Chemistry Chemical Physics, 2016, 18, 4728-4738.	2.8	21
27	Development of a novel class of B-RafV600E-selective inhibitors through virtual screening and hierarchical hit optimization. Organic and Biomolecular Chemistry, 2012, 10, 7402.	2.8	20
28	MDM4 Is Targeted by 1q Gain and Drives Disease in Burkitt Lymphoma. Cancer Research, 2019, 79, 3125-3138.	0.9	19
29	Identification of novel EZH2 inhibitors through pharmacophore-based virtual screening and biological assays. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3813-3817.	2.2	18
30	Energy metabolism is co-determined by genetic variants in chronic lymphocytic leukemia and influences drug sensitivity. Haematologica, 2019, 104, 1830-1840.	3.5	17
31	The Protein Landscape of Chronic Lymphocytic Leukemia (CLL). Blood, 2021, , .	1.4	17
32	Theoretical Insights into Catalytic Mechanism of Protein Arginine Methyltransferase 1. PLoS ONE, 2013, 8, e72424.	2.5	17
33	Survey of ex vivo drug combination effects in chronic lymphocytic leukemia reveals synergistic drug effects and genetic dependencies. Leukemia, 2020, 34, 2934-2950.	7.2	16
34	Control of PD-L1 expression in CLL-cells by stromal triggering of the Notch-c-Myc-EZH2 oncogenic signaling axis. , 2021, 9, e001889.		15
35	Application of Epigenomeâ€Modifying Small Molecules in Induced Pluripotent Stem Cells. Medicinal Research Reviews, 2013, 33, 790-822.	10.5	14
36	Structure-based computational study of the hydrolysis of New Delhi metallo-Î²-lactmase-1. Biochemical and Biophysical Research Communications, 2013, 431, 2-7.	2.1	12

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37	A Sphingosine-1-Phosphate Modulator Ameliorates Polycystic Kidney Disease in Han:SPRD Rats. American Journal of Nephrology, 2020, 51, 1-10.	3.1	10
38	Identification of two DNA methylation subtypes of WaldenstrÃ¶m's macroglobulinemia with plasma and memory B cell features. Blood, 2020, 136, 585-595.	1.4	10
39	The balance between the intronic miR-342 and its host gene Evl determines hematopoietic cell fate decision. Leukemia, 2021, 35, 2948-2963.	7.2	9
40	Targeting the N Terminus of eIF4AI for Inhibition of Its Catalytic Recycling. Cell Chemical Biology, 2019, 26, 1417-1426.e5.	5.2	7
41	A gating mechanism for Pi release governs the mRNA unwinding by eIF4AI during translation initiation. Nucleic Acids Research, 2015, 43, gkv1033.	14.5	6
42	SAMHD1 mutations in mantle cell lymphoma are recurrent and confer in vitro resistance to nucleoside analogues. Leukemia Research, 2021, 107, 106608.	0.8	6
43	Discovery of novel ceramide analogs with favorable pharmacokinetic properties and combination with AKT inhibitor against colon cancer. European Journal of Medicinal Chemistry, 2021, 215, 113274.	5.5	3
44	Ex-Vivo Drug Response Profiling for Tailoring Treatment in Hematologic Malignancies: The Prospective Non-Interventional SMART-Trial. Blood, 2019, 134, 376-376.	1.4	1