Sai-Juan Chen

List of Publications by Year
in descending order

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105	8,658	101384	48187
papers	citations	36 h-index	88 g-index

105	105	105	15010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effectiveness of convalescent plasma therapy in severe COVID-19 patients. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9490-9496.	3.3	1,601
2	Use of Arsenic Trioxide (As2O3) in the Treatment of Acute Promyelocytic Leukemia (APL): II. Clinical Efficacy and Pharmacokinetics in Relapsed Patients. Blood, 1997, 89, 3354-3360.	0.6	1,316
3	Viral and host factors related to the clinical outcome of COVID-19. Nature, 2020, 583, 437-440.	13.7	746
4	All-trans retinoic acid/As2O3 combination yields a high quality remission and survival in newly diagnosed acute promyelocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5328-5335.	3.3	564
5	Management of acute promyelocytic leukemia: updated recommendations from an expert panel of the European LeukemiaNet. Blood, 2019, 133, 1630-1643.	0.6	393
6	Long-term efficacy and safety of all-trans retinoic acid/arsenic trioxide-based therapy in newly diagnosed acute promyelocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3342-3347.	3.3	380
7	Genomic Profiling of Adult and Pediatric B-cell Acute Lymphoblastic Leukemia. EBioMedicine, 2016, 8, 173-183.	2.7	241
8	Systems analysis of transcriptome and proteome in retinoic acid/arsenic trioxide-induced cell differentiation/apoptosis of promyelocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7653-7658.	3.3	240
9	Shanghai's life-saving efforts against the current omicron wave of the COVID-19 pandemic. Lancet, The, 2022, 399, 2011-2012.	6.3	232
10	Gene expression networks underlying retinoic acidâ€“induced differentiation of acute promyelocytic leukemia cells. Blood, 2000, 96, 1496-1504.	0.6	209
11	Transcriptional landscape of B cell precursor acute lymphoblastic leukemia based on an international study of 1,223 cases. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11711-E11720.	3.3	192
12	Gain-of-function mutation of GATA-2 in acute myeloid transformation of chronic myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2076-2081.	3.3	164
13	Genomic and Transcriptomic Characterization of Natural Killer T Cell Lymphoma. Cancer Cell, 2020, 37, 403-419.e6.	7.7	136
14	Rig-Iâ^'/â^' mice develop colitis associated with downregulation of GÎ±i2. Cell Research, 2007, 17, 858-868.	5.7	113
15	RIG-G as a key mediator of the antiproliferative activity of interferon-related pathways through enhancing p21 and p27 proteins. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16448-16453.	3.3	106
16	Identification of fusion genes and characterization of transcriptome features in T-cell acute lymphoblastic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 373-378.	3.3	104
17	RA-inducible gene-I induction augments STAT1 activation to inhibit leukemia cell proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1897-1902.	3.3	74
18	Characterization of Somatic Mutations in Air Pollution-Related Lung Cancer. EBioMedicine, 2015, 2, 583-590.	2.7	71

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19	H3K36 Histone Methyltransferase Setd2 Is Required for Murine Embryonic Stem Cell Differentiation toward Endoderm. Cell Reports, 2014, 8, 1989-2002.	2.9	67
20	Allelic loss and gain, but not genomic instability, as the major somatic mutation in primary hepatocellular carcinoma. Genes Chromosomes and Cancer, 2001, 31, 221-227.	1.5	64
21	Rig-I regulates NF-Î²B activity through binding to Nf-Î²b1 3â€²-UTR mRNA. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6459-6464.	3.3	62
22	The 12-year follow-up of survival, chronic adverse effects, and retention of arsenic in patients with acute promyelocytic leukemia. Blood, 2016, 128, 1525-1528.	0.6	59
23	RIG-I plays a critical role in negatively regulating granulocytic proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10553-10558.	3.3	57
24	Durability of neutralizing antibodies and T-cell response post SARS-CoV-2 infection. Frontiers of Medicine, 2020, 14, 746-751.	1.5	57
25	Breakpoint clusters of thePML gene in acute promyelocytic leukemia: Primary structure of the reciprocal products of thePML-RARA gene in a patient with t(15;17). Genes Chromosomes and Cancer, 1993, 6, 133-139.	1.5	54
26	Conditional knockin of Dnmt3a R878H initiates acute myeloid leukemia with mTOR pathway involvement. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5237-5242.	3.3	54
27	Genomic landscape of CD34 ⁺ hematopoietic cells in myelodysplastic syndrome and gene mutation profiles as prognostic markers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8589-8594.	3.3	52
28	Retinoic acid regulatory pathways, chromosomal translocations, and acute promyelocytic leukemia. , 1996, 15, 147-156.		48
29	A PML/RARÎ± direct target atlas redefines transcriptional deregulation in acute promyelocytic leukemia. Blood, 2021, 137, 1503-1516.	0.6	47
30	Functional features of RUNX1 mutants in acute transformation of chronic myeloid leukemia and their contribution to inducing murine full-blown leukemia. Blood, 2012, 119, 2873-2882.	0.6	45
31	RIG-I Modulates Src-Mediated AKT Activation to Restrain Leukemic Stemness. Molecular Cell, 2014, 53, 407-419.	4.5	44
32	Genome-wide studies identify a novel interplay between AML1 and AML1/ETO in t(8;21) acute myeloid leukemia. Blood, 2016, 127, 233-242.	0.6	44
33	Acute promyelocytic leukemia: From clinic to molecular biology. Stem Cells, 1995, 13, 22-31.	1.4	43
34	Genetic landscape of recurrent ASXL1, U2AF1, SF3B1, SRSF2, and EZH2 mutations in 304 Chinese patients with myelodysplastic syndromes. Tumor Biology, 2016, 37, 4633-4640.	0.8	43
35	Setd2 deficiency impairs hematopoietic stem cell self-renewal and causes malignant transformation. Cell Research, 2018, 28, 476-490.	5.7	43
36	Mutations of Epigenetic Modifier Genes as a Poor Prognostic Factor in Acute Promyelocytic Leukemia Under Treatment With All-Trans Retinoic Acid and Arsenic Trioxide. EBioMedicine, 2015, 2, 563-571.	2.7	42

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37	DNA methyltransferase 1 functions through C/ebpa to maintain hematopoietic stem and progenitor cells in zebrafish. Journal of Hematology and Oncology, 2015, 8, 15.	6.9	40
38	High IDH1 expression is associated with a poor prognosis in cytogenetically normal acute myeloid leukemia. International Journal of Cancer, 2015, 137, 1058-1065.	2.3	39
39	Caspase-3 controls AML1-ETOâ€“driven leukemogenesis via autophagy modulation in a ULK1-dependent manner. Blood, 2017, 129, 2782-2792.	0.6	39
40	TanCAR T cells targeting CD19 and CD133 efficiently eliminate MLL leukemic cells. Leukemia, 2018, 32, 2012-2016.	3.3	37
41	A panoramic view of acute myeloid leukemia. Nature Genetics, 2013, 45, 586-587.	9.4	36
42	Integrated analysis of gut microbiome and host immune responses in COVID-19. Frontiers of Medicine, 2022, 16, 263-275.	1.5	35
43	Anthracycline dose optimisation in patients with diffuse large B-cell lymphoma: a multicentre, phase 3, randomised, controlled trial. Lancet Haematology,the, 2019, 6, e328-e337.	2.2	31
44	Multidimensional study of the heterogeneity of leukemia cells in t(8;21) acute myelogenous leukemia identifies the subtype with poor outcome. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20117-20126.	3.3	31
45	SETD2 deficiency accelerates MDS-associated leukemogenesis via S100a9 in NHD13 mice and predicts poor prognosis in MDS. Blood, 2020, 135, 2271-2285.	0.6	31
46	Arsenic trioxide replacing or reducing chemotherapy in consolidation therapy for acute promyelocytic leukemia (APL2012 trial). Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	31
47	Mutation of kri1l causes definitive hematopoiesis failure via PERK-dependent excessive autophagy induction. Cell Research, 2015, 25, 946-962.	5.7	30
48	An allosteric PGAM1 inhibitor effectively suppresses pancreatic ductal adenocarcinoma. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23264-23273.	3.3	27
49	RARA and PML Genes in Acute Promyelocytic Leukemia. Leukemia and Lymphoma, 1992, 8, 253-260.	0.6	26
50	RIG-I regulates myeloid differentiation by promoting TRIM25-mediated ISGylation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14395-14404.	3.3	25
51	Vibsanin B Preferentially Targets HSP90Î², Inhibits Interstitial Leukocyte Migration, and Ameliorates Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2015, 194, 4489-4497.	0.4	23
52	Integrating longitudinal clinical laboratory tests with targeted proteomic and transcriptomic analyses reveal the landscape of host responses in COVID-19. Cell Discovery, 2021, 7, 42.	3.1	23
53	Structural basis of DUX4/IGH-driven transactivation. Leukemia, 2018, 32, 1466-1476.	3.3	21
54	Different roles of E proteins in t(8;21) leukemia: E2-2 compromises the function of AETFC and negatively regulates leukemogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 890-899.	3.3	18

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55	Transcriptome-wide subtyping of pediatric and adult T cell acute lymphoblastic leukemia in an international study of 707 cases. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120787119.	3.3	18
56	Sumoylation of CCAAT/enhancer-binding protein Î± is implicated in hematopoietic stem/progenitor cell development through regulating runx1 in zebrafish. Scientific Reports, 2015, 5, 9011.	1.6	16
57	Integration of Genomic and Transcriptomic Markers Improves the Prognosis Prediction of Acute Promyelocytic Leukemia. Clinical Cancer Research, 2021, 27, 3683-3694.	3.2	16
58	PLCG1 is required for AML1-ETO leukemia stem cell self-renewal. Blood, 2022, 139, 1080-1097.	0.6	16
59	GSTT1 Deletion Is Related to Polycyclic Aromatic Hydrocarbons-Induced DNA Damage and Lymphoma Progression. PLoS ONE, 2014, 9, e89302.	1.1	15
60	B-cell Function Gene Mutations in Diffuse Large B-cell Lymphoma: A Retrospective Cohort Study. EBioMedicine, 2017, 16, 106-114.	2.7	15
61	Restoration of microRNA function impairs MYC-dependent maintenance of MLL leukemia. Leukemia, 2020, 34, 2484-2488.	3.3	15
62	Optimized human factor IX expression cassettes for hepatic-directed gene therapy of hemophilia B. Frontiers of Medicine, 2015, 9, 90-99.	1.5	13
63	GATA5 SUMOylation is indispensable for zebrafish cardiac development. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1691-1701.	1.1	13
64	Clinical significance of CD34+CD117dim/CD34+CD117bri myeloblast-associated gene expression in t(8;21) acute myeloid leukemia. Frontiers of Medicine, 2021, 15, 608-620.	1.5	13
65	Allâ€trans retinoic acid and arsenic combination therapy benefits lowâ€toâ€intermediateâ€risk patients with newly diagnosed acute promyelocytic leukaemia: a longâ€term followâ€up based on multivariate analysis. British Journal of Haematology, 2015, 171, 277-280.	1.2	12
66	CCAAT/enhancer-binding protein Î± is required for hepatic outgrowth via the p53 pathway in zebrafish. Scientific Reports, 2015, 5, 15838.	1.6	11
67	Functional, structural, and molecular characterizations of the leukemogenic driver MEF2D-HNRNPUL1 fusion. Blood, 2022, 140, 1390-1407.	0.6	10
68	Clinical significance of day 5 peripheral blast clearance rate in the evaluation of early treatment response and prognosis of patients with acute myeloid leukemia. Journal of Hematology and Oncology, 2015, 8, 48.	6.9	9
69	International Collaboration to Save Children With Acute Lymphoblastic Leukemia. Journal of Global Oncology, 2019, 5, 1-2.	0.5	9
70	Interferon regulatory factor 2 binding protein 2b regulates neutrophil versus macrophage fate during zebrafish definitive myelopoiesis. Haematologica, 2020, 105, 325-337.	1.7	9
71	Yolk sac-derived Pdcd11-positive cells modulate zebrafish microglia differentiation through the NF-ÎºB-TgfÎ²1 pathway. Cell Death and Differentiation, 2021, 28, 170-183.	5.0	9
72	Gain-of-Function Mutations of GATA-2 in Acute Myeloid Transformation of Chronic Myeloid Leukemia.. Blood, 2007, 110, 1022-1022.	0.6	9

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73	Arsenic trioxide rewires mantle cell lymphoma response toÂbortezomib. Cancer Medicine, 2015, 4, 1754-1766.	1.3	7
74	DNA crosslinking and recombinationâ€activating genes 1/2 (RAG1/2) are required for oncogenic splicing in acute lymphoblastic leukemia. Cancer Communications, 2021, 41, 1116-1136.	3.7	7
75	Recurrent noncoding somatic and germline WT1 variants converge to disrupt MYB binding in acute promyelocytic leukemia. Blood, 2022, 140, 1132-1144.	0.6	7
76	PALLD Regulates Phagocytosis by Enabling Timely Actin Polymerization and Depolymerization. Journal of Immunology, 2017, 199, 1817-1826.	0.4	6
77	Gata2-L359V impairs primitive and definitive hematopoiesis and blocks cell differentiation in murine chronic myelogenous leukemia model. Cell Death and Disease, 2021, 12, 568.	2.7	6
78	RNF4 regulates zebrafish granulopoiesis through the DNMT1â€C/EBPÎ± axis. FASEB Journal, 2018, 32, 4930-4940.	0.2	5
79	Destabilization of AETFC through C/EBPÎ±-mediated repression of LYL1 contributes to t(8;21) leukemic cell differentiation. Leukemia, 2019, 33, 1822-1827.	3.3	5
80	SIRT2 regulates proliferation and chemotherapy response of MLL-ENL-driven acute myeloid leukemia. Biochemical and Biophysical Research Communications, 2022, 596, 36-42.	1.0	5
81	Evaluation of the activity levels of rat FVIII and human FVIII delivered by adeno-associated viral vectors both in vitro and in vivo. Blood Cells, Molecules, and Diseases, 2018, 73, 47-54.	0.6	4
82	Activated factor X targeted stored in platelets as an effective gene therapy strategy for both hemophilia A and B. Clinical and Translational Medicine, 2021, 11, e375.	1.7	4
83	The DNA Binding Property of PML/RARA but Not the Integrity of PML Nuclear Bodies Is Indispensable for Leukemic Transformation. PLoS ONE, 2014, 9, e104906.	1.1	3
84	MLL is required for miRNA-mediated translational repression. Cell Discovery, 2019, 5, 43.	3.1	3
85	Differential Expression of CD49f Discriminates the Independently Emerged Hematopoietic Stem Cells and Erythroid-Biased Progenitors. Blood, 2019, 134, 3700-3700.	0.6	3
86	COVID-19 and beyond:Âa call for action andÂaudacious solidarity to all the citizens and nations,Âit is humanityâ€™s fight. F1000Research, 0, 9, 1130.	0.8	3
87	A novel KMT2Aâ€“USO1 fusion geneâ€induced de novo secondary acute myeloid leukaemia in a patient initially diagnosed with acute promyelocytic leukaemia. British Journal of Haematology, 2021, 192, e32-e36.	1.2	2
88	Dynamic Analysis of Cytokine Profile for Cytokine Release Syndrome in Multiple Myeloma Patients after CAR-T Cell Therapy. Blood, 2019, 134, 5617-5617.	0.6	2
89	Application of radiation hybrid in gene mapping. Science in China Series C: Life Sciences, 1998, 41, 644-649.	1.3	1
90	Palladin is a novel microtubule-associated protein responsible for spindle orientation. Scientific Reports, 2017, 7, 11806.	1.6	1

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91	Treating leukemia: differentiation therapy for mIDH2 AML. Cell Research, 2019, 29, 427-428.	5.7	1
92	Induced lineage promiscuity undermines the efficiency of all-trans-retinoid-acid-induced differentiation of acute myeloid leukemia. IScience, 2021, 24, 102410.	1.9	1
93	High IDH1 Expression Is Associated with a Poor Prognosis in Cytogenetically Normal Acute Myeloid Leukemia. Blood, 2014, 124, 5314-5314.	0.6	1
94	Inherent hepatocytic heterogeneity determines expression and retention of edited F9 alleles post-AAV/CRISPR infusion. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2110887118.	3.3	1
95	Rig-I Activates Expression of Interferon-Stimulated Genes (ISGs) and Inhibits the Proliferation of Acute Myeloid Leukemia Cells. Blood, 2008, 112, 2846-2846.	0.6	1
96	Angiogenesis Induced By Aminoacyl-tRNA Synthetase Deficiency Is Dependent on Amino Acid Response (AAR) but Not Unfolded Protein Response (UPR) Pathways. Blood, 2018, 132, 77-77.	0.6	1
97	Retinoic Acid and Arsenic Trioxide Treatment in Acute Promyelocytic Leukemia: A Model of Oncoprotein Targeted Therapy. , 0, , 371-392.		0
98	Coordination of Intrinsic, Extrinsic and Endoplasmic Reticulum-Mediated Apoptosis by Imatinib Mesylate Combined with Arsenic Trioxide in Chronic Myeloid Leukemia.. Blood, 2005, 106, 4841-4841.	0.6	0
99	Histone Deacetylase Inhibitor Promotes Rituximab-Induced Apoptosis in Non-Hodgkinâ€™s B-Lymphoma Cells by NF-kB-Mediated Bcl-2/Bcl-XL Downregulation and c-Myc Degradation.. Blood, 2006, 108, 2526-2526.	0.6	0
100	Aberrant Transcriptional Regulation of the MLL Fusion Partner EEN Gene by AML1-ETO and Its Implication in Leukemogenesis.. Blood, 2006, 108, 4330-4330.	0.6	0
101	The RARa-PLZF Oncogenic Protein Inhibits C/EBPa Function in Myeloid Cells.. Blood, 2007, 110, 1825-1825.	0.6	0
102	Front-Line Therapy with Arsenic Trioxide/All-Trans-Retinoic Acid Combination and Chemotherapy Improves Cure Rates in Newly Diagnosed Patients with Acute Promyelocytic Leukemia. Blood, 2008, 112, 2970-2970.	0.6	0
103	E3 Ligase c-CBL Mediates Ubiquitination-Proteasomal Degradation of BCR-ABL and Therapeutic Effects against BCR-ABL Leukemia.. Blood, 2009, 114, 3257-3257.	0.6	0
104	High Musashi-2 Expression Is an Unfavorable Prognostic Factor in Adult B-Cell Acute Lymphoblastic Leukemia.. Blood, 2012, 120, 2508-2508.	0.6	0
105	Cellular and molecular mechanism of arsenic trioxide in the treatment of hematopoietic malignancies. , 1999, 5, 82-88.		0