Zusen Fan

List of Publications by Year in Descending Order

61 papers	3,735 citations	32 h-index	61 g-index
67 ext. papers	4,656 ext. citations	15.5 avg, IF	5.23 L-index

#	Paper	IF	Citations
61	N-methyladenosine methylation in tRNA drives liver tumourigenesis by regulating cholesterol metabolism. *Nature Communications*, **2021**, 12, 6314	17.4	6
60	Circular RNA circIPO11 drives self-renewal of liver cancer initiating cells via Hedgehog signaling. *Molecular Cancer*, **2021**, 20, 132	42.1	11
59	Circular RNA circZbtb20 maintains ILC3 homeostasis and function via Alkbh5-dependent mA demethylation of Nr4a1 mRNA. *Cellular and Molecular Immunology*, **2021**, 18, 1412-1424	15.4	11
58	Identification of cis-HOX-HOXC10 axis as a therapeutic target for colorectal tumor-initiating cells without APC mutations. *Cell Reports*, **2021**, 36, 109431	10.6	3
57	Circular RNA cia-MAF drives self-renewal and metastasis of liver tumor-initiating cells via transcription factor MAFF. *Journal of Clinical Investigation*, **2021**, 131,	15.9	5
56	Transdifferentiation of tumor infiltrating innate lymphoid cells during progression of colorectal cancer. *Cell Research*, **2020**, 30, 610-622	24.7	34
55	Glutamylation of deubiquitinase BAP1 controls self-renewal of hematopoietic stem cells and hematopoiesis. *Journal of Experimental Medicine*, **2020**, 217,	16.6	5
54	An inducible circular RNA circKcnt2 inhibits ILC3 activation to facilitate colitis resolution. *Nature Communications*, **2020**, 11, 4076	17.4	21
53	The chromatin remodeler SRCAP promotes self-renewal of intestinal stem cells. *EMBO Journal*, **2020**, 39, e103786	13	4
52	Yeats4 drives ILC lineage commitment via activation of transcription. *Journal of Experimental Medicine*, **2019**, 216, 2653-2668	16.6	6
51	A higher-order configuration of the heterodimeric DOT1L-AF10 coiled-coil domains potentiates their leukemogenenic activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 19917-19923	11.5	10
50	LncRNA HAND2-AS1 promotes liver cancer stem cell self-renewal via BMP signaling. *EMBO Journal*, **2019**, 38, e101110	13	71
49	SPRY4 is responsible for pathogenesis of adolescent idiopathic scoliosis by contributing to osteogenic differentiation and melatonin response of bone marrow-derived mesenchymal stem cells. *Cell Death and Disease*, **2019**, 10, 805	9.8	5
48	The long non-coding RNA LncHDAC2 drives the self-renewal of liver cancer stem cells via activation of Hedgehog signaling. *Journal of Hepatology*, **2019**, 70, 918-929	13.4	66
47	Long noncoding RNA lncAIS downregulation in mesenchymal stem cells is implicated in the pathogenesis of adolescent idiopathic scoliosis. *Cell Death and Differentiation*, **2019**, 26, 1700-1715	12.7	13
46	IL-13 secreted by ILC2s promotes the self-renewal of intestinal stem cells through circular RNA circPan3. *Nature Immunology*, **2019**, 20, 183-194	19.1	95
45	A Circular RNA Protects Dormant Hematopoietic Stem Cells from DNA Sensor cGAS-Mediated Exhaustion. *Immunity*, **2018**, 48, 688-701.e7	32.3	139

44	Klf4 glutamylation is required for cell reprogramming and early embryonic development in mice. *Nature Communications*, **2018**, 9, 1261	17.4	23
43	Long noncoding RNA lncHand2 promotes liver repopulation via c-Met signaling. *Journal of Hepatology*, **2018**, 69, 861-872	13.4	23
42	The ER membrane adaptor ERAdP senses the bacterial second messenger c-di-AMP and initiates anti-bacterial immunity. *Nature Immunology*, **2018**, 19, 141-150	19.1	26
41	controls self-renewal of embryonic stem cells via activating expression of transcription factor. *EMBO Journal*, **2018**, 37,	13	59
40	Cancer stem cells and tumorigenesis. *Biophysics Reports*, **2018**, 4, 178-188	3.5	43
39	LncGata6 maintains stemness of intestinal stem cells and promotes intestinal tumorigenesis. *Nature Cell Biology*, **2018**, 20, 1134-1144	23.4	65
38	Single-cell Sequencing Reveals Variants in ARID1A, GPRC5A and MLL2 Driving Self-renewal of Human Bladder Cancer Stem Cells. *European Urology*, **2017**, 71, 8-12	10.2	73
37	TRIM25 Is Required for the Antiviral Activity of Zinc Finger Antiviral Protein. *Journal of Virology*, **2017**, 91,	6.6	70
36	WASH maintains NKp46 ILC3 cells by promoting AHR expression. *Nature Communications*, **2017**, 8, 15685	17.4	10
35	Long noncoding RNA lncKdm2b is required for ILC3 maintenance by initiation of Zfp292 expression. *Nature Immunology*, **2017**, 18, 499-508	19.1	154
34	Mesenchymal Stem Cells Promote Hepatocarcinogenesis via lncRNA-MUF Interaction with ANXA2 and miR-34a. *Cancer Research*, **2017**, 77, 6704-6716	10.1	148
33	Regulatory Innate Lymphoid Cells Control Innate Intestinal Inflammation. *Cell*, **2017**, 171, 201-216.e18	56.2	211
32	IL-7R glutamylation and activation of transcription factor Sall3 promote group 3 ILC development. *Nature Communications*, **2017**, 8, 231	17.4	19
31	Natural-Killer-like B Cells Function as a Separate Subset of Innate B Cells. *Immunity*, **2017**, 47, 201-202	32.3	5
30	Suppression of SRCAP chromatin remodelling complex and restriction of lymphoid lineage commitment by Pcid2. *Nature Communications*, **2017**, 8, 1518	17.4	19
29	FoxO1-mediated autophagy is required for NK cell development and innate immunity. *Nature Communications*, **2016**, 7, 11023	17.4	96
28	lnc- Catm elicits EZH2-dependent catenin stabilization and sustains liver CSC self-renewal. *Nature Structural and Molecular Biology*, **2016**, 23, 631-9	17.6	162
27	Glutamylation of the DNA sensor cGAS regulates its binding and synthase activity in antiviral immunity. *Nature Immunology*, **2016**, 17, 369-78	19.1	123

26	GALNT1-Mediated Glycosylation and Activation of Sonic Hedgehog Signaling Maintains the Self-Renewal and Tumor-Initiating Capacity of Bladder Cancer Stem Cells. *Cancer Research*, **2016**, 76, 1273-83	10.1	51
25	Novel variants in MLL confer to bladder cancer recurrence identified by whole-exome sequencing. *Oncotarget*, **2016**, 7, 2629-45	3.3	18
24	Natural Killer-like B Cells Prime Innate Lymphocytes against Microbial Infection. *Immunity*, **2016**, 45, 131-44	32.3	26
23	LncBRM initiates YAP1 signalling activation to drive self-renewal of liver cancer stem cells. *Nature Communications*, **2016**, 7, 13608	17.4	192
22	Structural insights into the regulatory mechanism of the Pseudomonas aeruginosa YfiBNR system. *Protein and Cell*, **2016**, 7, 403-16	7.2	11
21	DNA sensor cGAS-mediated immune recognition. *Protein and Cell*, **2016**, 7, 777-791	7.2	65
20	Crystal structures of YfiR from Pseudomonas aeruginosa in two redox states. *Biochemical and Biophysical Research Communications*, **2015**, 461, 14-20	3.4	10
19	C8orf4 negatively regulates self-renewal of liver cancer stem cells via suppression of NOTCH2 signalling. *Nature Communications*, **2015**, 6, 7122	17.4	86
18	Sox2 functions as a sequence-specific DNA sensor in neutrophils to initiate innate immunity against microbial infection. *Nature Immunology*, **2015**, 16, 366-75	19.1	66
17	The long noncoding RNA lncTCF7 promotes self-renewal of human liver cancer stem cells through activation of Wnt signaling. *Cell Stem Cell*, **2015**, 16, 413-25	18	437
16	IRTKS negatively regulates antiviral immunity through PCBP2 sumoylation-mediated MAVS degradation. *Nature Communications*, **2015**, 6, 8132	17.4	38
15	Insulin-InsR signaling drives multipotent progenitor differentiation toward lymphoid lineages. *Journal of Experimental Medicine*, **2015**, 212, 2305-21	16.6	16
14	The endoplasmic reticulum adaptor protein ERAdP initiates NK cell activation via the Ubc13-mediated NF-B pathway. *Journal of Immunology*, **2015**, 194, 1292-303	5.3	8
13	ZIC2-dependent OCT4 activation drives self-renewal of human liver cancer stem cells. *Journal of Clinical Investigation*, **2015**, 125, 3795-808	15.9	97
12	The C228T mutation of TERT promoter frequently occurs in bladder cancer stem cells and contributes to tumorigenesis of bladder cancer. *Oncotarget*, **2015**, 6, 19542-51	3.3	33
11	Pcid2 inactivates developmental genes in human and mouse embryonic stem cells to sustain their pluripotency by modulation of EID1 stability. *Stem Cells*, **2014**, 32, 623-35	5.8	12
10	Cytosolic carboxypeptidase CCP6 is required for megakaryopoiesis by modulating Mad2 polyglutamylation. *Journal of Experimental Medicine*, **2014**, 211, 2439-54	16.6	23
9	WASH is required for the differentiation commitment of hematopoietic stem cells in a c-Myc-dependent manner. *Journal of Experimental Medicine*, **2014**, 211, 2119-34	16.6	43

8	BCMab1, a monoclonal antibody against aberrantly glycosylated integrin β1, has potent antitumor activity of bladder cancer in vivo. *Clinical Cancer Research*, **2014**, 20, 4001-13	12.9	34
7	Molecular mechanism for self-protection against the type VI secretion system in Vibrio cholerae. *Acta Crystallographica Section D: Biological Crystallography*, **2014**, 70, 1094-103		5
6	RNF2 is recruited by WASH to ubiquitinate AMBRA1 leading to downregulation of autophagy. *Cell Research*, **2014**, 24, 943-58	24.7	67
5	T-cell immunoglobulin and ITIM domain (TIGIT) receptor/poliovirus receptor (PVR) ligand engagement suppresses interferon-γ production of natural killer cells via β-arrestin 2-mediated negative signaling. *Journal of Biological Chemistry*, **2014**, 289, 17647-57	5.4	135
4	WASH inhibits autophagy through suppression of Beclin 1 ubiquitination. *EMBO Journal*, **2013**, 32, 2685-96	9.4	138
3	Transient activation of autophagy via Sox2-mediated suppression of mTOR is an important early step in reprogramming to pluripotency. *Cell Stem Cell*, **2013**, 13, 617-25	18	150
2	NK-cell activation by LIGHT triggers tumor-specific CD8+ T-cell immunity to reject established tumors. *Blood*, **2006**, 107, 1342-51	2.2	123
1	Molecular mechanisms of lymphocyte-mediated cytotoxicity **2005**, 2, 259-64		11