Chenqi Xu

List of Publications by Year
in descending order

53 papers	4,486 citations	201385 27 h-index	174990 52 g-index
55 all docs	55 docs citations	55 times ranked	6197 citing authors

#	Article	IF	Citations
1	Exploiting T cell signaling to optimize engineered T cell therapies. Trends in Cancer, 2022, 8, 123-134.	3.8	13
2	Disulfiram bolsters Tâ€cell antiâ€tumor immunity through direct activation of LCKâ€mediated TCR signaling. EMBO Journal, 2022, 41, .	3.5	8
3	Chromatin assembly factor 1B critically controls the early development but not function acquisition of invariant natural killer T cells in mice. European Journal of Immunology, 2021, 51, 1698-1714.	1.6	0
4	PD-L1 degradation is regulated by electrostatic membrane association of its cytoplasmic domain. Nature Communications, 2021, 12, 5106.	5.8	38
5	Uncovering a conserved vulnerability site in SARSâ€CoVâ€2 by a human antibody. EMBO Molecular Medicine, 2021, 13, e14544.	3.3	17
6	Chimeric Antigen Receptor Designed to Prevent Ubiquitination and Downregulation Showed Durable Antitumor Efficacy. Immunity, 2020, 53, 456-470.e6.	6.6	83
7	Multiple Signaling Roles of CD3Îµ and Its Application in CAR-T Cell Therapy. Cell, 2020, 182, 855-871.e23.	13.5	91
8	A special collection of reviews on frontiers in immunology. Cell Research, 2020, 30, 827-828.	5.7	0
9	Screening for the Next-Generation T Cell Therapies. Cancer Cell, 2020, 37, 627-629.	7.7	1
10	Blocking interaction between SHP2 and PDâ€1 denotes a novel opportunity for developing PDâ€1 inhibitors. EMBO Molecular Medicine, 2020, 12, e11571.	3.3	40
11	Immune checkpoint signaling and cancer immunotherapy. Cell Research, 2020, 30, 660-669.	5.7	617
12	The evolution of zebrafish RAG2 protein is required for adapting to the elevated body temperature of the higher endothermic vertebrates. Scientific Reports, 2020, 10, 4126.	1.6	2
13	PD-1: A Driver or Passenger of T Cell Exhaustion?. Molecular Cell, 2020, 77, 930-931.	4.5	28
14	Structural understanding of T cell receptor triggering. Cellular and Molecular Immunology, 2020, 17, 193-202.	4.8	32
15	Cholesterol metabolism in cancer: mechanisms and therapeutic opportunities. Nature Metabolism, 2020, 2, 132-141.	5.1	411
16	Direct Regulation of the T Cell Antigen Receptor's Activity by Cholesterol. Frontiers in Cell and Developmental Biology, 2020, 8, 615996.	1.8	15
17	Mechano-regulation of Peptide-MHC Class I Conformations Determines TCR Antigen Recognition. Molecular Cell, 2019, 73, 1015-1027.e7.	4.5	95
18	Ionic protein-lipid interactions at the plasma membrane regulate the structure and function of immunoreceptors. Advances in Immunology, 2019, 144, 65-85.	1.1	6

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19	FBXO38 mediates PD-1 ubiquitination and regulates anti-tumour immunity of T cells. Nature, 2018, 564, 130-135.	13.7	174
20	Intramembrane ionic proteinâ€“lipid interaction regulates integrin structure and function. PLoS Biology, 2018, 16, e2006525.	2.6	11
21	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. Science, 2018, 362, 700-705.	6.0	28
22	Polybasic RKKR motif in the linker region of lipid droplet (LD)â€“associated protein CIDEC inhibits LD fusion activity by interacting with acidic phospholipids. Journal of Biological Chemistry, 2018, 293, 19330-19343.	1.6	10
23	Editorial: Membrane Lipids in T Cell Functions. Frontiers in Immunology, 2018, 9, 1608.	2.2	7
24	Lipid-dependent conformational dynamics underlie the functional versatility of T-cell receptor. Cell Research, 2017, 27, 505-525.	5.7	38
25	Dynamic regulation of CD28 conformation and signaling by charged lipids and ions. Nature Structural and Molecular Biology, 2017, 24, 1081-1092.	3.6	46
26	Probing Transient Release of Membrane-Sequestered Tyrosine-Based Signaling Motif by Solution NMR Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 3765-3769.	2.1	4
27	A PIP ₂ -derived amplification loop fuels the sustained initiation of B cell activation. Science Immunology, 2017, 2, .	5.6	18
28	Ionic CD3âˆ’Lck interaction regulates the initiation of T-cell receptor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5891-E5899.	3.3	70
29	Cholesterol Metabolism in T Cells. Frontiers in Immunology, 2017, 8, 1664.	2.2	63
30	Uhrf1 Controls iNKT Cell Survival and Differentiation through the Akt-mTOR Axis. Cell Reports, 2016, 15, 256-263.	2.9	27
31	Regulation of T cell signalling by membrane lipids. Nature Reviews Immunology, 2016, 16, 690-701.	10.6	108
32	Antigen Receptor Nanoclusters: Small Units with Big Functions. Trends in Immunology, 2016, 37, 680-689.	2.9	30
33	Impairment on the lateral mobility induced by structural changes underlies the functional deficiency of the lupus-associated polymorphism FcÎ³RIIB-T232. Journal of Experimental Medicine, 2016, 213, 2707-2727.	4.2	26
34	Potentiating the antitumour response of CD8+ T cells by modulating cholesterol metabolism. Nature, 2016, 531, 651-655.	13.7	648
35	Lipid in T-cell receptor transmembrane signaling. Progress in Biophysics and Molecular Biology, 2015, 118, 130-138.	1.4	18
36	A negative-feedback function of PKC<i>Î²</i> in the formation and accumulation of signaling-active B cell receptor microclusters within B cell immunological synapse. Journal of Leukocyte Biology, 2015, 97, 887-900.	1.5	3

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37	Acidic phospholipids govern the enhanced activation of IgG-B cell receptor. Nature Communications, 2015, 6, 8552.	5.8	35
38	Ionic proteinâ€"lipid interaction at the plasma membrane: what can the charge do?. Trends in Biochemical Sciences, 2014, 39, 130-140.	3.7	99
39	The clathrin adaptor Numb regulates intestinal cholesterol absorption through dynamic interaction with NPC1L1. Nature Medicine, 2014, 20, 80-86.	15.2	77
40	Regulation of EGFR nanocluster formation by ionic protein-lipid interaction. Cell Research, 2014, 24, 959-976.	5.7	109
41	Digital response in T cells: to be or not to be. Cell Research, 2014, 24, 265-266.	5.7	14
42	Ca2+ regulates T-cell receptor activation by modulating the charge property of lipids. Nature, 2013, 493, 111-115.	13.7	215
43	Disruption of disulfide-restriction at integrin knees induces activation and ligand-independent signaling of Î±4Î²7. Journal of Cell Science, 2013, 126, 5030-41.	1.2	8
44	Positive selection-guided mutational analysis revealing two key functional sites of scorpion ERG K+ channel toxins. Biochemical and Biophysical Research Communications, 2012, 429, 111-116.	1.0	5
45	Response Multilayered Control of T Cell Receptor Phosphorylation. Cell, 2010, 142, 669-671.	13.5	32
46	Structure-function relationship of bifunctional scorpion toxin BmBKTx1. Acta Biochimica Et Biophysica Sinica, 2008, 40, 955-963.	0.9	3
47	Regulation of T Cell Receptor Activation by Dynamic Membrane Binding of the CD3É› Cytoplasmic Tyrosine-Based Motif. Cell, 2008, 135, 702-713.	13.5	391
48	Self-antigen tetramers discriminate between myelin autoantibodies to native or denatured protein. Nature Medicine, 2007, 13, 211-217.	15.2	342
49	The Structure of the Î¶Î¶ Transmembrane Dimer Reveals Features Essential for Its Assembly with the T Cell Receptor. Cell, 2006, 127, 355-368.	13.5	221
50	A Membrane-proximal Tetracysteine Motif Contributes to Assembly of CD3Î´Ïµ and CD3Î³Ïµ Dimers with the T Cell Receptor. Journal of Biological Chemistry, 2006, 281, 36977-36984.	1.6	36
51	BmBKTx1, a Novel Ca2+-activated K+ Channel Blocker Purified from the Asian Scorpion Buthus martensi Karsch. Journal of Biological Chemistry, 2004, 279, 34562-34569.	1.6	37
52	Solution Structure of BmBKTx1, a New BKCa1Channel Blocker from the Chinese ScorpionButhus martensiKarschâ€,â€¡. Biochemistry, 2004, 43, 3764-3771.	1.2	20
53	Structure of the scorpion toxin BmBKTtx1 solved from single wavelength anomalous scattering of sulfur. Journal of Structural Biology, 2004, 145, 289-294.	1.3	12