

Chenqi Xu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Potentiating the antitumour response of CD8+ T cells by modulating cholesterol metabolism. <i>Nature</i> , 2016, 531, 651-655.	13.7	648
2	Immune checkpoint signaling and cancer immunotherapy. <i>Cell Research</i> , 2020, 30, 660-669.	5.7	617
3	Cholesterol metabolism in cancer: mechanisms and therapeutic opportunities. <i>Nature Metabolism</i> , 2020, 2, 132-141.	5.1	411
4	Regulation of T Cell Receptor Activation by Dynamic Membrane Binding of the CD3 ζ Cytoplasmic Tyrosine-Based Motif. <i>Cell</i> , 2008, 135, 702-713.	13.5	391
5	Self-antigen tetramers discriminate between myelin autoantibodies to native or denatured protein. <i>Nature Medicine</i> , 2007, 13, 211-217.	15.2	342
6	The Structure of the ζ Transmembrane Dimer Reveals Features Essential for Its Assembly with the T Cell Receptor. <i>Cell</i> , 2006, 127, 355-368.	13.5	221
7	Ca ²⁺ regulates T-cell receptor activation by modulating the charge property of lipids. <i>Nature</i> , 2013, 493, 111-115.	13.7	215
8	FBXO38 mediates PD-1 ubiquitination and regulates anti-tumour immunity of T cells. <i>Nature</i> , 2018, 564, 130-135.	13.7	174
9	Regulation of EGFR nanocluster formation by ionic protein-lipid interaction. <i>Cell Research</i> , 2014, 24, 959-976.	5.7	109
10	Regulation of T cell signalling by membrane lipids. <i>Nature Reviews Immunology</i> , 2016, 16, 690-701.	10.6	108
11	Ionic protein-lipid interaction at the plasma membrane: what can the charge do?. <i>Trends in Biochemical Sciences</i> , 2014, 39, 130-140.	3.7	99
12	Mechano-regulation of Peptide-MHC Class I Conformations Determines TCR Antigen Recognition. <i>Molecular Cell</i> , 2019, 73, 1015-1027.e7.	4.5	95
13	Multiple Signaling Roles of CD3 ζ and Its Application in CAR-T Cell Therapy. <i>Cell</i> , 2020, 182, 855-871.e23.	13.5	91
14	Chimeric Antigen Receptor Designed to Prevent Ubiquitination and Downregulation Showed Durable Antitumor Efficacy. <i>Immunity</i> , 2020, 53, 456-470.e6.	6.6	83
15	The clathrin adaptor Numb regulates intestinal cholesterol absorption through dynamic interaction with NPC1L1. <i>Nature Medicine</i> , 2014, 20, 80-86.	15.2	77
16	Ionic CD3 ζ -Lck interaction regulates the initiation of T-cell receptor signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5891-E5899.	3.3	70
17	Cholesterol Metabolism in T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1664.	2.2	63
18	Dynamic regulation of CD28 conformation and signaling by charged lipids and ions. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 1081-1092.	3.6	46

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19	Blocking interaction between SHP2 and PD-1 denotes a novel opportunity for developing PD-1 inhibitors. <i>EMBO Molecular Medicine</i> , 2020, 12, e11571.	3.3	40
20	Lipid-dependent conformational dynamics underlie the functional versatility of T-cell receptor. <i>Cell Research</i> , 2017, 27, 505-525.	5.7	38
21	PD-L1 degradation is regulated by electrostatic membrane association of its cytoplasmic domain. <i>Nature Communications</i> , 2021, 12, 5106.	5.8	38
22	BmBKTx1, a Novel Ca ²⁺ -activated K ⁺ Channel Blocker Purified from the Asian Scorpion <i>Buthus martensi</i> Karsch. <i>Journal of Biological Chemistry</i> , 2004, 279, 34562-34569.	1.6	37
23	A Membrane-proximal Tetracysteine Motif Contributes to Assembly of CD3 ζ and CD3 η Dimers with the T Cell Receptor. <i>Journal of Biological Chemistry</i> , 2006, 281, 36977-36984.	1.6	36
24	Acidic phospholipids govern the enhanced activation of IgG-B cell receptor. <i>Nature Communications</i> , 2015, 6, 8552.	5.8	35
25	Response Multilayered Control of T Cell Receptor Phosphorylation. <i>Cell</i> , 2010, 142, 669-671.	13.5	32
26	Structural understanding of T cell receptor triggering. <i>Cellular and Molecular Immunology</i> , 2020, 17, 193-202.	4.8	32
27	Antigen Receptor Nanoclusters: Small Units with Big Functions. <i>Trends in Immunology</i> , 2016, 37, 680-689.	2.9	30
28	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. <i>Science</i> , 2018, 362, 700-705.	6.0	28
29	PD-1: A Driver or Passenger of T Cell Exhaustion?. <i>Molecular Cell</i> , 2020, 77, 930-931.	4.5	28
30	Uhrf1 Controls iNKT Cell Survival and Differentiation through the Akt-mTOR Axis. <i>Cell Reports</i> , 2016, 15, 256-263.	2.9	27
31	Impairment on the lateral mobility induced by structural changes underlies the functional deficiency of the lupus-associated polymorphism FcI β R1IB-T232. <i>Journal of Experimental Medicine</i> , 2016, 213, 2707-2727.	4.2	26
32	Solution Structure of BmBKTx1, a New BKCa ₁ Channel Blocker from the Chinese Scorpion <i>Buthus martensi</i> Karsch. <i>Biochemistry</i> , 2004, 43, 3764-3771.	1.2	20
33	Lipid in T-cell receptor transmembrane signaling. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 130-138.	1.4	18
34	A PIP ₂ -derived amplification loop fuels the sustained initiation of B cell activation. <i>Science Immunology</i> , 2017, 2, .	5.6	18
35	Uncovering a conserved vulnerability site in SARS-CoV-2 by a human antibody. <i>EMBO Molecular Medicine</i> , 2021, 13, e14544.	3.3	17
36	Direct Regulation of the T Cell Antigen Receptor's Activity by Cholesterol. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 615996.	1.8	15

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37	Digital response in T cells: to be or not to be. <i>Cell Research</i> , 2014, 24, 265-266.	5.7	14
38	Exploiting T cell signaling to optimize engineered T cell therapies. <i>Trends in Cancer</i> , 2022, 8, 123-134.	3.8	13
39	Structure of the scorpion toxin BmBKTx1 solved from single wavelength anomalous scattering of sulfur. <i>Journal of Structural Biology</i> , 2004, 145, 289-294.	1.3	12
40	Intramembrane ionic protein-lipid interaction regulates integrin structure and function. <i>PLoS Biology</i> , 2018, 16, e2006525.	2.6	11
41	Polybasic RKKR motif in the linker region of lipid droplet (LD)-associated protein CIDEC inhibits LD fusion activity by interacting with acidic phospholipids. <i>Journal of Biological Chemistry</i> , 2018, 293, 19330-19343.	1.6	10
42	Disruption of disulfide-restriction at integrin knees induces activation and ligand-independent signaling of $\beta 4^2$. <i>Journal of Cell Science</i> , 2013, 126, 5030-41.	1.2	8
43	Disulfiram bolsters cell anti-tumor immunity through direct activation of LCK-mediated TCR signaling. <i>EMBO Journal</i> , 2022, 41, .	3.5	8
44	Editorial: Membrane Lipids in T Cell Functions. <i>Frontiers in Immunology</i> , 2018, 9, 1608.	2.2	7
45	Ionic protein-lipid interactions at the plasma membrane regulate the structure and function of immunoreceptors. <i>Advances in Immunology</i> , 2019, 144, 65-85.	1.1	6
46	Positive selection-guided mutational analysis revealing two key functional sites of scorpion ERG K ⁺ channel toxins. <i>Biochemical and Biophysical Research Communications</i> , 2012, 429, 111-116.	1.0	5
47	Probing Transient Release of Membrane-Sequestered Tyrosine-Based Signaling Motif by Solution NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3765-3769.	2.1	4
48	Structure-function relationship of bifunctional scorpion toxin BmBKTx1. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 955-963.	0.9	3
49	A negative-feedback function of PKC $\beta 2$ in the formation and accumulation of signaling-active B cell receptor microclusters within B cell immunological synapse. <i>Journal of Leukocyte Biology</i> , 2015, 97, 887-900.	1.5	3
50	The evolution of zebrafish RAG2 protein is required for adapting to the elevated body temperature of the higher endothermic vertebrates. <i>Scientific Reports</i> , 2020, 10, 4126.	1.6	2
51	Screening for the Next-Generation T Cell Therapies. <i>Cancer Cell</i> , 2020, 37, 627-629.	7.7	1
52	A special collection of reviews on frontiers in immunology. <i>Cell Research</i> , 2020, 30, 827-828.	5.7	0
53	Chromatin assembly factor 1B critically controls the early development but not function acquisition of invariant natural killer T cells in mice. <i>European Journal of Immunology</i> , 2021, 51, 1698-1714.	1.6	0