Wanli Liu

List of Publications by Year
in descending order

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92 papers	4,809 citations	136950 32 h-index	106344 65 g-index
100 all docs	100 docs citations	100 times ranked	7026 citing authors

#	Article	IF	Citations
1	Potentiating the antitumour response of CD8+ T cells by modulating cholesterol metabolism. Nature, 2016, 531, 651-655.	27.8	648
2	Follicular T-helper cell recruitment governed by bystander B cells and ICOS-driven motility. Nature, 2013, 496, 523-527.	27.8	338
3	Ca2+ regulates T-cell receptor activation by modulating the charge property of lipids. Nature, 2013, 493, 111-115.	27.8	215
4	PROTAC-induced BTK degradation as a novel therapy for mutated BTK C481S induced ibrutinib-resistant B-cell malignancies. Cell Research, 2018, 28, 779-781.	12.0	215
5	The tipping points in the initiation of B cell signalling: how small changes make big differences. Nature Reviews Immunology, 2010, 10, 767-777.	22.7	157
6	The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. Cell, 2018, 175, 1059-1073.e21.	28.9	148
7	Germinal-center development of memory B cells driven by IL-9 from follicular helper T cells. Nature Immunology, 2017, 18, 921-930.	14.5	132
8	Antigen affinity discrimination is an intrinsic function of the B cell receptor. Journal of Experimental Medicine, 2010, 207, 1095-1111.	8.5	120
9	Optimized tandem CD19/CD20 CAR-engineered T cells in refractory/relapsed B cell lymphoma. Blood, 2020, 136, 1632-1644.	1.4	119
10	High epitope density in a single recombinant protein molecule of the extracellular domain of influenza A virus M2 protein significantly enhances protective immunity. Vaccine, 2004, 23, 366-371.	3.8	116
11	Intrinsic Properties of immunoglobulin IgG1 Isotype-Switched B Cell Receptors Promote Microclustering and the Initiation of Signaling. Immunity, 2010, 32, 778-789.	14.3	114
12	Sequence comparison between the extracellular domain of M2 protein human and avian influenza A virus provides new information for bivalent influenza vaccine design. Microbes and Infection, 2005, 7, 171-177.	1.9	113
13	Degradation of Brutonâ€™s tyrosine kinase mutants by PROTACs for potential treatment of ibrutinib-resistant non-Hodgkin lymphomas. Leukemia, 2019, 33, 2105-2110.	7.2	105
14	High epitope density in a single protein molecule significantly enhances antigenicity as well as immunogenicity: a novel strategy for modern vaccine development and a preliminary investigation about B?cell discrimination of monomeric proteins. European Journal of Immunology, 2005, 35, 505-514.	2.9	104
15	B Cell Activation Is Regulated by the Stiffness Properties of the Substrate Presenting the Antigens. Journal of Immunology, 2013, 190, 4661-4675.	0.8	100
16	A Structural Change in Butyrophilin upon Phosphoantigen Binding Underlies Phosphoantigen-Mediated VÎ³9VÎ´2ÂT Cell Activation. Immunity, 2019, 50, 1043-1053.e5.	14.3	94
17	Near-Infrared-Emitting Iridium(III) Complexes as Phosphorescent Dyes for Live Cell Imaging. Organometallics, 2014, 33, 61-68.	2.3	93
18	The activation of IgM- or isotype-switched IgG- and IgE-BCR exhibits distinct mechanical force sensitivity and threshold. ELife, 2015, 4, .	6.0	90

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19	N-terminus of M2 protein could induce antibodies with inhibitory activity against influenza virus replication. FEMS Immunology and Medical Microbiology, 2003, 35, 141-146.	2.7	85
20	Monoclonal antibodies recognizing EVETPIRN epitope of influenza A virus M2 protein could protect mice from lethal influenza A virus challenge. Immunology Letters, 2004, 93, 131-136.	2.5	79
21	Regulation of B cell fate by chronic activity of the IgE B cell receptor. ELife, 2016, 5, .	6.0	77
22	Substrate stiffness regulates Bâ€cell activation, proliferation, class switch, and Tâ€cellâ€independent antibody responses in vivo. European Journal of Immunology, 2015, 45, 1621-1634.	2.9	76
23	Antigen-Induced Oligomerization of the B Cell Receptor Is an Early Target of FcÎ³RIIB Inhibition. Journal of Immunology, 2010, 184, 1977-1989.	0.8	70
24	The molecular assembly and organization of signaling active Bâ€cell receptor oligomers. Immunological Reviews, 2009, 232, 34-41.	6.0	68
25	Profiling the origin, dynamics, and function of traction force in B cell activation. Science Signaling, 2018, 11, .	3.6	59
26	The Scaffolding Protein Synapse-Associated Protein 97 Is Required for Enhanced Signaling Through Isotype-Switched IgG Memory B Cell Receptors. Science Signaling, 2012, 5, ra54.	3.6	54
27	BehÃ§et's Disease Complicated with Thrombosis. Medicine (United States), 2014, 93, e263.	1.0	46
28	Clinical Analysis of 56 Patients with Rhupus Syndrome. Medicine (United States), 2014, 93, e49.	1.0	46
29	Substrate stiffness governs the initiation of B cell activation by the concerted signaling of PKCÎ² and focal adhesion kinase. ELife, 2017, 6, .	6.0	40
30	Lipid-dependent conformational dynamics underlie the functional versatility of T-cell receptor. Cell Research, 2017, 27, 505-525.	12.0	38
31	Affinity-coupled CCL22 promotes positive selection in germinal centres. Nature, 2021, 592, 133-137.	27.8	38
32	No receptor stands alone: IgG B-cell receptor intrinsic and extrinsic mechanisms contribute to antibody memory. Cell Research, 2014, 24, 651-664.	12.0	36
33	Acidic phospholipids govern the enhanced activation of IgG-B cell receptor. Nature Communications, 2015, 6, 8552.	12.8	35
34	The epitope recognized by a monoclonal antibody in influenza A virus M2 protein is immunogenic and confers immune protection. International Immunopharmacology, 2005, 5, 631-635.	3.8	34
35	Impaired CD27+IgD+ B Cells With Altered Gene Signature in Rheumatoid Arthritis. Frontiers in Immunology, 2018, 9, 626.	4.8	34
36	It's All About Change: The Antigen-driven Initiation of B-Cell Receptor Signaling. Cold Spring Harbor Perspectives in Biology, 2010, 2, a002295-a002295.	5.5	33

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37	Through an ITIM-Independent Mechanism the FcÎ³RIIB Blocks B Cell Activation by Disrupting the Colocalized Microclustering of the B Cell Receptor and CD19. Journal of Immunology, 2014, 192, 5179-5191.	0.8	32
38	Two natural products, trans-phytol and (22E)-ergosta-6,9,22-triene-3Î²,5Î±,8Î±-triol, inhibit the biosynthesis of estrogen in human ovarian granulosa cells by aromatase (CYP19). Toxicology and Applied Pharmacology, 2014, 279, 23-32.	2.8	31
39	Total chemical synthesis of photoactivatable proteins for light-controlled manipulation of antigenâ€“antibody interactions. Chemical Science, 2016, 7, 1891-1895.	7.4	31
40	Antigen Receptor Nanoclusters: Small Units with Big Functions. Trends in Immunology, 2016, 37, 680-689.	6.8	30
41	Clinical Characteristics of Cerebral Venous Sinus Thrombosis in Patients with Systemic Lupus Erythematosus: A Single-Centre Experience in China. Journal of Immunology Research, 2015, 2015, 1-7.	2.2	28
42	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. Science, 2018, 362, 700-705.	12.6	28
43	The growth of B cell receptor microcluster is a universal response of B cells encountering antigens with different motion features. Protein and Cell, 2012, 3, 545-558.	11.0	27
44	Utilization of a photoactivatable antigen system to examine B-cell probing termination and the B-cell receptor sorting mechanisms during B-cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E558-67.	7.1	27
45	Growth of B Cell Receptor Microclusters Is Regulated by PIP 2 and PIP 3 Equilibrium and Dock2 Recruitment and Activation. Cell Reports, 2017, 21, 2541-2557.	6.4	27
46	Transmembrane domain-mediated Lck association underlies bystander and costimulatory ICOS signaling. Cellular and Molecular Immunology, 2020, 17, 143-152.	10.5	27
47	Discrimination of membrane antigen affinity by B cells requires dominance of kinetic proofreading over serial engagement. Cellular and Molecular Immunology, 2012, 9, 62-74.	10.5	26
48	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.	8.5	26
49	Tespa1 regulates T cell receptor-induced calcium signals by recruiting inositol 1,4,5-trisphosphate receptors. Nature Communications, 2017, 8, 15732.	12.8	25
50	Emodin potentiates the antiproliferative effect of interferon Î±/Î² by activation of JAK/STAT pathway signaling through inhibition of the 26S proteasome. Oncotarget, 2016, 7, 4664-4679.	1.8	25
51	Rictor positively regulates B cell receptor signaling by modulating actin reorganization via ezrin. PLoS Biology, 2017, 15, e2001750.	5.6	24
52	PI(4,5)P2 determines the threshold of mechanical forceâ€“induced B cell activation. Journal of Cell Biology, 2018, 217, 2565-2582.	5.2	22
53	Host-derived lipids orchestrate pulmonary Î³Î´ T cell response to provide early protection against influenza virus infection. Nature Communications, 2021, 12, 1914.	12.8	22
54	Conformational change within the extracellular domain of B cell receptor in B cell activation upon antigen binding. ELife, 2019, 8, .	6.0	22

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55	Dedicator of cytokinesis protein 2 couples with lymphoid enhancerâ€“binding factor 1 to regulate expression of CD21 and B-cell differentiation. Journal of Allergy and Clinical Immunology, 2019, 144, 1377-1390.e4.	2.9	21
56	Fc receptorâ€“like 1 intrinsically recruits c-Abl to enhance B cell activation and function. Science Advances, 2019, 5, eaaw0315.	10.3	19
57	RBD trimer mRNA vaccine elicits broad and protective immune responses against SARS-CoV-2 variants. IScience, 2022, 25, 104043.	4.1	19
58	Lipid in T-cell receptor transmembrane signaling. Progress in Biophysics and Molecular Biology, 2015, 118, 130-138.	2.9	18
59	A PIP ₂ -derived amplification loop fuels the sustained initiation of B cell activation. Science Immunology, 2017, 2, .	11.9	18
60	FcÎ³RIIB-I232T polymorphic change allosterically suppresses ligand binding. ELife, 2019, 8, .	6.0	18
61	Transmembrane domain dependent inhibitory function of FcÎ³RIIB. Protein and Cell, 2018, 9, 1004-1012.	11.0	16
62	A Candidate Vaccine against Influenza Virus Intensively Improved the Immunogenicity of a Neutralizing Epitope. International Archives of Allergy and Immunology, 2002, 127, 245-250.	2.1	15
63	MARCKS regulates tonic and chronic active B cell receptor signaling. Leukemia, 2019, 33, 710-729.	7.2	14
64	An Asia-specific variant of human IgG1 represses colorectal tumorigenesis by shaping the tumor microenvironment. Journal of Clinical Investigation, 2022, 132, .	8.2	14
65	Identification of Pyruvate Carboxylase as the Cellular Target of Natural Bibenzyls with Potent Anticancer Activity against Hepatocellular Carcinoma via Metabolic Reprogramming. Journal of Medicinal Chemistry, 2022, 65, 460-484.	6.4	14
66	Editorial: BCR Signaling and B Cell Activation. Frontiers in Immunology, 2020, 11, 45.	4.8	12
67	SHIP-1 Deficiency in AID+ B Cells Leads to the Impaired Function of B10 Cells with Spontaneous Autoimmunity. Journal of Immunology, 2017, 199, 3063-3073.	0.8	11
68	Epitope-focused immunogens against the CD4-binding site of HIV-1 envelope protein induce neutralizing antibodies against auto- and heterologous viruses. Journal of Biological Chemistry, 2018, 293, 830-846.	3.4	11
69	Formation of BCR oligomers provides a mechanism for B cell affinity discrimination. Journal of Theoretical Biology, 2012, 307, 174-182.	1.7	10
70	Dlg1 Maintains Dendritic Cell Function by Securing Voltage-Gated K+ Channel Integrity. Journal of Immunology, 2019, 202, 3187-3197.	0.8	10
71	Farnesyl pyrophosphate is a new danger signal inducing acute cell death. PLoS Biology, 2021, 19, e3001134.	5.6	10
72	Understanding the Initiation of B Cell Signaling Through Live Cell Imaging. Methods in Enzymology, 2012, 506, 265-290.	1.0	9

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73	The synaptic recruitment of lipid rafts is dependent on CD19-PI3K module and cytoskeleton remodeling molecules. Journal of Leukocyte Biology, 2015, 98, 223-234.	3.3	9
74	B cell mechanosensing: A mechanistic overview. Advances in Immunology, 2019, 144, 23-63.	2.2	9
75	Fine-epitope mapping of an antibody that binds the ectodomain of influenza matrix protein 2. FEMS Immunology and Medical Microbiology, 2008, 53, 79-84.	2.7	8
76	How B cells remember? A sophisticated cytoplasmic tail of mIgG is pivotal for the enhanced transmembrane signaling of IgG-switched memory B cells. Progress in Biophysics and Molecular Biology, 2015, 118, 89-94.	2.9	8
77	PTEN-Regulated AID Transcription in Germinal Center B Cells Is Essential for the Class-Switch Recombination and IgG Antibody Responses. Frontiers in Immunology, 2018, 9, 371.	4.8	8
78	Bioinformatics analysis of SARS-Cov M protein provides information for vaccine development *. Progress in Natural Science: Materials International, 2003, 13, 844-847.	4.4	7
79	Structural and immunogenomic insights into B-cell receptor activation. Journal of Genetics and Genomics, 2020, 47, 27-35.	3.9	7
80	A Biostable<scp>l</scp>â€ÐNA Hydrogel with Improved Stability for Biomedical Applications. Angewandte Chemie, 2022, 134, .	2.0	6
81	Imaging: Gear up for mechano-immunology. Cellular Immunology, 2020, 350, 103926.	3.0	5
82	Encoding Immunological Memory in the Initiation of B-Cell Receptor Signaling. Cold Spring Harbor Symposia on Quantitative Biology, 2013, 78, 231-237.	1.1	4
83	A New and Robust Method of Tethering IgG Surrogate Antigens on Lipid Bilayer Membranes to Facilitate the TIRFM Based Live Cell and Single Molecule Imaging Experiments. PLoS ONE, 2013, 8, e63735.	2.5	4
84	Probing Transient Release of Membrane-Sequestered Tyrosine-Based Signaling Motif by Solution NMR Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 3765-3769.	4.6	4
85	Aberrant FcÎ³RIIb and FcÎ³RIII expression on monocytes from patients with BehÃ§et's disease. Clinical Immunology, 2020, 219, 108549.	3.2	4
86	Discovery of a Novel Small-Molecule Inhibitor Disrupting TRBPâ€“Dicer Interaction against Hepatocellular Carcinoma via the Modulation of microRNA Biogenesis. Journal of Medicinal Chemistry, 2022, 65, 11010-11033.	6.4	4
87	A negative-feedback function of PKCÎ² 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.	3.3	3
88	A PI(4,5)P2â€derived â€œgasoline engine modelâ€•for the sustained B cell receptor activation. Immunological Reviews, 2019, 291, 75-90.	6.0	3
89	Understanding of B Cell Receptor Signaling Through a Photo-Activatable Antigen Presentation System. Methods in Molecular Biology, 2018, 1707, 225-234.	0.9	2
90	Discs large homolog 1 regulates B-cell proliferation and antibody production. International Immunology, 2019, 31, 759-770.	4.0	2

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91	Traction force-mediated B cell activation: how and why. Science China Life Sciences, 2019, 62, 971-973.	4.9	0
92	Site-specific Labeling of B Cell Receptor and Soluble Immunoglobulin. Bio-protocol, 2020, 10, e3767.	0.4	0