

# Wanli Liu

## List of Publications by Year in descending order

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92  
papers

4,809  
citations

136885

32  
h-index

106281

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. <i>Nature</i> , 2016, 531, 651-655.	13.7	648
2	Follicular T-helper cell recruitment governed by bystander B cells and ICOS-driven motility. <i>Nature</i> , 2013, 496, 523-527.	13.7	338
3	Ca <sup>2+</sup> regulates T-cell receptor activation by modulating the charge property of lipids. <i>Nature</i> , 2013, 493, 111-115.	13.7	215
4	PROTAC-induced BTK degradation as a novel therapy for mutated BTK C481S induced ibrutinib-resistant B-cell malignancies. <i>Cell Research</i> , 2018, 28, 779-781.	5.7	215
5	The tipping points in the initiation of B cell signalling: how small changes make big differences. <i>Nature Reviews Immunology</i> , 2010, 10, 767-777.	10.6	157
6	The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. <i>Cell</i> , 2018, 175, 1059-1073.e21.	13.5	148
7	Germinal-center development of memory B cells driven by IL-9 from follicular helper T cells. <i>Nature Immunology</i> , 2017, 18, 921-930.	7.0	132
8	Antigen affinity discrimination is an intrinsic function of the B cell receptor. <i>Journal of Experimental Medicine</i> , 2010, 207, 1095-1111.	4.2	120
9	Optimized tandem CD19/CD20 CAR-engineered T cells in refractory/relapsed B cell lymphoma. <i>Blood</i> , 2020, 136, 1632-1644.	0.6	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. <i>Vaccine</i> , 2004, 23, 366-371.	1.7	116
11	Intrinsic Properties of immunoglobulin IgG1 Isotype-Switched B Cell Receptors Promote Microclustering and the Initiation of Signaling. <i>Immunity</i> , 2010, 32, 778-789.	6.6	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. <i>Microbes and Infection</i> , 2005, 7, 171-177.	1.0	113
13	Degradation of Bruton's tyrosine kinase mutants by PROTACs for potential treatment of ibrutinib-resistant non-Hodgkin lymphomas. <i>Leukemia</i> , 2019, 33, 2105-2110.	3.3	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. <i>European Journal of Immunology</i> , 2005, 35, 505-514.	1.6	104
15	B Cell Activation Is Regulated by the Stiffness Properties of the Substrate Presenting the Antigens. <i>Journal of Immunology</i> , 2013, 190, 4661-4675.	0.4	100
16	A Structural Change in Butyrophilin upon Phosphoantigen Binding Underlies Phosphoantigen-Mediated $V\beta 9V\beta 2$ T Cell Activation. <i>Immunity</i> , 2019, 50, 1043-1053.e5.	6.6	94
17	Near-Infrared-Emitting Iridium(III) Complexes as Phosphorescent Dyes for Live Cell Imaging. <i>Organometallics</i> , 2014, 33, 61-68.	1.1	93
18	The activation of IgM- or isotype-switched IgG- and IgE-BCR exhibits distinct mechanical force sensitivity and threshold. <i>ELife</i> , 2015, 4, .	2.8	90

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19	N-terminus of M2 protein could induce antibodies with inhibitory activity against influenza virus replication. <i>FEMS Immunology and Medical Microbiology</i> , 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. <i>Immunology Letters</i> , 2004, 93, 131-136.	1.1	79
21	Regulation of B cell fate by chronic activity of the IgE B cell receptor. <i>ELife</i> , 2016, 5, .	2.8	77
22	Substrate stiffness regulates B cell activation, proliferation, class switch, and T cell-independent antibody responses in vivo. <i>European Journal of Immunology</i> , 2015, 45, 1621-1634.	1.6	76
23	Antigen-Induced Oligomerization of the B Cell Receptor Is an Early Target of FcγRIIB Inhibition. <i>Journal of Immunology</i> , 2010, 184, 1977-1989.	0.4	70
24	The molecular assembly and organization of signaling active B cell receptor oligomers. <i>Immunological Reviews</i> , 2009, 232, 34-41.	2.8	68
25	Profiling the origin, dynamics, and function of traction force in B cell activation. <i>Science Signaling</i> , 2018, 11, .	1.6	59
26	The Scaffolding Protein Synapse-Associated Protein 97 Is Required for Enhanced Signaling Through Isotype-Switched IgG Memory B Cell Receptors. <i>Science Signaling</i> , 2012, 5, ra54.	1.6	54
27	Behçet's Disease Complicated with Thrombosis. <i>Medicine (United States)</i> , 2014, 93, e263.	0.4	46
28	Clinical Analysis of 56 Patients with Rheumatoid Arthritis. <i>Medicine (United States)</i> , 2014, 93, e49.	0.4	46
29	Substrate stiffness governs the initiation of B cell activation by the concerted signaling of PKC $\delta$ and focal adhesion kinase. <i>ELife</i> , 2017, 6, .	2.8	40
30	Lipid-dependent conformational dynamics underlie the functional versatility of T-cell receptor. <i>Cell Research</i> , 2017, 27, 505-525.	5.7	38
31	Affinity-coupled CCL22 promotes positive selection in germinal centres. <i>Nature</i> , 2021, 592, 133-137.	13.7	38
32	No receptor stands alone: IgG B-cell receptor intrinsic and extrinsic mechanisms contribute to antibody memory. <i>Cell Research</i> , 2014, 24, 651-664.	5.7	36
33	Acidic phospholipids govern the enhanced activation of IgG-B cell receptor. <i>Nature Communications</i> , 2015, 6, 8552.	5.8	35
34	The epitope recognized by a monoclonal antibody in influenza A virus M2 protein is immunogenic and confers immune protection. <i>International Immunopharmacology</i> , 2005, 5, 631-635.	1.7	34
35	Impaired CD27+IgD+ B Cells With Altered Gene Signature in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2018, 9, 626.	2.2	34
36	It's All About Change: The Antigen-driven Initiation of B-Cell Receptor Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a002295-a002295.	2.3	33

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37	Through an ITIM-Independent Mechanism the Fc $\gamma$ RIIB Blocks B Cell Activation by Disrupting the Colocalized Microclustering of the B Cell Receptor and CD19. <i>Journal of Immunology</i> , 2014, 192, 5179-5191.	0.4	32
38	Two natural products, trans-phytol and (22E)-ergosta-6,9,22-triene-3 $\beta$ ,5 $\beta$ ,8 $\beta$ -triol, inhibit the biosynthesis of estrogen in human ovarian granulosa cells by aromatase (CYP19). <i>Toxicology and Applied Pharmacology</i> , 2014, 279, 23-32.	1.3	31
39	Total chemical synthesis of photoactivatable proteins for light-controlled manipulation of antigen-antibody interactions. <i>Chemical Science</i> , 2016, 7, 1891-1895.	3.7	31
40	Antigen Receptor Nanoclusters: Small Units with Big Functions. <i>Trends in Immunology</i> , 2016, 37, 680-689.	2.9	30
41	Clinical Characteristics of Cerebral Venous Sinus Thrombosis in Patients with Systemic Lupus Erythematosus: A Single-Centre Experience in China. <i>Journal of Immunology Research</i> , 2015, 2015, 1-7.	0.9	28
42	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. <i>Science</i> , 2018, 362, 700-705.	6.0	28
43	The growth of B cell receptor microcluster is a universal response of B cells encountering antigens with different motion features. <i>Protein and Cell</i> , 2012, 3, 545-558.	4.8	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E558-67.	3.3	27
45	Growth of B Cell Receptor Microclusters Is Regulated by PIP 2 and PIP 3 Equilibrium and Dock2 Recruitment and Activation. <i>Cell Reports</i> , 2017, 21, 2541-2557.	2.9	27
46	Transmembrane domain-mediated Lck association underlies bystander and costimulatory ICOS signaling. <i>Cellular and Molecular Immunology</i> , 2020, 17, 143-152.	4.8	27
47	Discrimination of membrane antigen affinity by B cells requires dominance of kinetic proofreading over serial engagement. <i>Cellular and Molecular Immunology</i> , 2012, 9, 62-74.	4.8	26
48	Impairment on the lateral mobility induced by structural changes underlies the functional deficiency of the lupus-associated polymorphism Fc $\gamma$ RIIB-T232. <i>Journal of Experimental Medicine</i> , 2016, 213, 2707-2727.	4.2	26
49	Tespa1 regulates T cell receptor-induced calcium signals by recruiting inositol 1,4,5-trisphosphate receptors. <i>Nature Communications</i> , 2017, 8, 15732.	5.8	25
50	Emodin potentiates the antiproliferative effect of interferon $\beta$ by activation of JAK/STAT pathway signaling through inhibition of the 26S proteasome. <i>Oncotarget</i> , 2016, 7, 4664-4679.	0.8	25
51	Rictor positively regulates B cell receptor signaling by modulating actin reorganization via ezrin. <i>PLoS Biology</i> , 2017, 15, e2001750.	2.6	24
52	PI(4,5)P2 determines the threshold of mechanical force-induced B cell activation. <i>Journal of Cell Biology</i> , 2018, 217, 2565-2582.	2.3	22
53	Host-derived lipids orchestrate pulmonary $\gamma\delta$ T cell response to provide early protection against influenza virus infection. <i>Nature Communications</i> , 2021, 12, 1914.	5.8	22
54	Conformational change within the extracellular domain of B cell receptor in B cell activation upon antigen binding. <i>ELife</i> , 2019, 8, .	2.8	22

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55	Dedicator of cytokinesis protein 2 couples with lymphoid enhancer-binding factor 1 to regulate expression of CD21 and B-cell differentiation. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1377-1390.e4.	1.5	21
56	Fc receptor-like 1 intrinsically recruits c-Abl to enhance B cell activation and function. <i>Science Advances</i> , 2019, 5, eaaw0315.	4.7	19
57	RBD trimer mRNA vaccine elicits broad and protective immune responses against SARS-CoV-2 variants. <i>IScience</i> , 2022, 25, 104043.	1.9	19
58	Lipid in T-cell receptor transmembrane signaling. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 130-138.	1.4	18
59	A PIP <sub>2</sub> -derived amplification loop fuels the sustained initiation of B cell activation. <i>Science Immunology</i> , 2017, 2, .	5.6	18
60	FcγRIIB-I232T polymorphic change allosterically suppresses ligand binding. <i>ELife</i> , 2019, 8, .	2.8	18
61	Transmembrane domain dependent inhibitory function of FcγRIIB. <i>Protein and Cell</i> , 2018, 9, 1004-1012.	4.8	16
62	A Candidate Vaccine against Influenza Virus Intensively Improved the Immunogenicity of a Neutralizing Epitope. <i>International Archives of Allergy and Immunology</i> , 2002, 127, 245-250.	0.9	15
63	MARCKS regulates tonic and chronic active B cell receptor signaling. <i>Leukemia</i> , 2019, 33, 710-729.	3.3	14
64	An Asia-specific variant of human IgG1 represses colorectal tumorigenesis by shaping the tumor microenvironment. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	14
65	Identification of Pyruvate Carboxylase as the Cellular Target of Natural Bibenzyls with Potent Anticancer Activity against Hepatocellular Carcinoma via Metabolic Reprogramming. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 460-484.	2.9	14
66	Editorial: BCR Signaling and B Cell Activation. <i>Frontiers in Immunology</i> , 2020, 11, 45.	2.2	12
67	SHIP-1 Deficiency in AID+ B Cells Leads to the Impaired Function of B10 Cells with Spontaneous Autoimmunity. <i>Journal of Immunology</i> , 2017, 199, 3063-3073.	0.4	11
68	Epitope-focused immunogens against the CD4-binding site of HIV-1 envelope protein induce neutralizing antibodies against auto- and heterologous viruses. <i>Journal of Biological Chemistry</i> , 2018, 293, 830-846.	1.6	11
69	Formation of BCR oligomers provides a mechanism for B cell affinity discrimination. <i>Journal of Theoretical Biology</i> , 2012, 307, 174-182.	0.8	10
70	Dlg1 Maintains Dendritic Cell Function by Securing Voltage-Gated K <sup>+</sup> Channel Integrity. <i>Journal of Immunology</i> , 2019, 202, 3187-3197.	0.4	10
71	Farnesyl pyrophosphate is a new danger signal inducing acute cell death. <i>PLoS Biology</i> , 2021, 19, e3001134.	2.6	10
72	Understanding the Initiation of B Cell Signaling Through Live Cell Imaging. <i>Methods in Enzymology</i> , 2012, 506, 265-290.	0.4	9

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73	The synaptic recruitment of lipid rafts is dependent on CD19-PI3K module and cytoskeleton remodeling molecules. <i>Journal of Leukocyte Biology</i> , 2015, 98, 223-234.	1.5	9
74	B cell mechanosensing: A mechanistic overview. <i>Advances in Immunology</i> , 2019, 144, 23-63.	1.1	9
75	Fine-epitope mapping of an antibody that binds the ectodomain of influenza matrix protein 2. <i>FEMS Immunology and Medical Microbiology</i> , 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. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 89-94.	1.4	8
77	PTEN-Regulated AID Transcription in Germinal Center B Cells Is Essential for the Class-Switch Recombination and IgG Antibody Responses. <i>Frontiers in Immunology</i> , 2018, 9, 371.	2.2	8
78	Bioinformatics analysis of SARS-Cov M protein provides information for vaccine development *. <i>Progress in Natural Science: Materials International</i> , 2003, 13, 844-847.	1.8	7
79	Structural and immunogenomic insights into B-cell receptor activation. <i>Journal of Genetics and Genomics</i> , 2020, 47, 27-35.	1.7	7
80	A Biostable DNA Hydrogel with Improved Stability for Biomedical Applications. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
81	Imaging: Gear up for mechano-immunology. <i>Cellular Immunology</i> , 2020, 350, 103926.	1.4	5
82	Encoding Immunological Memory in the Initiation of B-Cell Receptor Signaling. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2013, 78, 231-237.	2.0	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. <i>PLoS ONE</i> , 2013, 8, e63735.	1.1	4
84	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
85	Aberrant FcγRIIb and FcγRIII expression on monocytes from patients with Behçet's disease. <i>Clinical Immunology</i> , 2020, 219, 108549.	1.4	4
86	Discovery of a Novel Small-Molecule Inhibitor Disrupting TRBP-Dicer Interaction against Hepatocellular Carcinoma via the Modulation of microRNA Biogenesis. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 11010-11033.	2.9	4
87	A negative-feedback function of PKC $\zeta$ 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
88	A PI(4,5)P2-derived coegasoline engine model for the sustained B cell receptor activation. <i>Immunological Reviews</i> , 2019, 291, 75-90.	2.8	3
89	Understanding of B Cell Receptor Signaling Through a Photo-Activatable Antigen Presentation System. <i>Methods in Molecular Biology</i> , 2018, 1707, 225-234.	0.4	2
90	Discs large homolog 1 regulates B-cell proliferation and antibody production. <i>International Immunology</i> , 2019, 31, 759-770.	1.8	2

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91	Traction force-mediated B cell activation: how and why. <i>Science China Life Sciences</i> , 2019, 62, 971-973.	2.3	0
92	Site-specific Labeling of B Cell Receptor and Soluble Immunoglobulin. <i>Bio-protocol</i> , 2020, 10, e3767.	0.2	0