

# 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	An Asia-specific variant of human IgG1 represses colorectal tumorigenesis by shaping the tumor microenvironment. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	14
2	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.	6.4	14
3	RBD trimer mRNA vaccine elicits broad and protective immune responses against SARS-CoV-2 variants. <i>IScience</i> , 2022, 25, 104043.	4.1	19
4	A Biostable $\alpha$ -DNA Hydrogel with Improved Stability for Biomedical Applications. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
5	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.	6.4	4
6	Affinity-coupled CCL22 promotes positive selection in germinal centres. <i>Nature</i> , 2021, 592, 133-137.	27.8	38
7	Host-derived lipids orchestrate pulmonary $\hat{\gamma}$ T cell response to provide early protection against influenza virus infection. <i>Nature Communications</i> , 2021, 12, 1914.	12.8	22
8	Farnesyl pyrophosphate is a new danger signal inducing acute cell death. <i>PLoS Biology</i> , 2021, 19, e3001134.	5.6	10
9	Transmembrane domain-mediated Lck association underlies bystander and costimulatory ICOS signaling. <i>Cellular and Molecular Immunology</i> , 2020, 17, 143-152.	10.5	27
10	Imaging: Gear up for mechano-immunology. <i>Cellular Immunology</i> , 2020, 350, 103926.	3.0	5
11	Aberrant Fc $\hat{\gamma}$ R1b and Fc $\hat{\gamma}$ R1II expression on monocytes from patients with Behçet's disease. <i>Clinical Immunology</i> , 2020, 219, 108549.	3.2	4
12	Optimized tandem CD19/CD20 CAR-engineered T cells in refractory/relapsed B cell lymphoma. <i>Blood</i> , 2020, 136, 1632-1644.	1.4	119
13	Editorial: BCR Signaling and B Cell Activation. <i>Frontiers in Immunology</i> , 2020, 11, 45.	4.8	12
14	Structural and immunogenomic insights into B-cell receptor activation. <i>Journal of Genetics and Genomics</i> , 2020, 47, 27-35.	3.9	7
15	Site-specific Labeling of B Cell Receptor and Soluble Immunoglobulin. <i>Bio-protocol</i> , 2020, 10, e3767.	0.4	0
16	A PI(4,5)P2-derived $\hat{\omega}$ gasoline engine model for the sustained B cell receptor activation. <i>Immunological Reviews</i> , 2019, 291, 75-90.	6.0	3
17	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.	2.9	21
18	Fc receptor-like 1 intrinsically recruits c-Abl to enhance B cell activation and function. <i>Science Advances</i> , 2019, 5, eaaw0315.	10.3	19

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19	Traction force-mediated B cell activation: how and why. <i>Science China Life Sciences</i> , 2019, 62, 971-973.	4.9	0
20	Discs large homolog 1 regulates B-cell proliferation and antibody production. <i>International Immunology</i> , 2019, 31, 759-770.	4.0	2
21	Dlg1 Maintains Dendritic Cell Function by Securing Voltage-Gated K <sup>+</sup> Channel Integrity. <i>Journal of Immunology</i> , 2019, 202, 3187-3197.	0.8	10
22	A Structural Change in Butyrophilin upon Phosphoantigen Binding Underlies Phosphoantigen-Mediated V $\beta$ 9V $\beta$ 2 $\Delta$ T Cell Activation. <i>Immunity</i> , 2019, 50, 1043-1053.e5.	14.3	94
23	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.	7.2	105
24	B cell mechanosensing: A mechanistic overview. <i>Advances in Immunology</i> , 2019, 144, 23-63.	2.2	9
25	MARCKS regulates tonic and chronic active B cell receptor signaling. <i>Leukemia</i> , 2019, 33, 710-729.	7.2	14
26	Conformational change within the extracellular domain of B cell receptor in B cell activation upon antigen binding. <i>ELife</i> , 2019, 8, .	6.0	22
27	Fc $\gamma$ RIIB-I232T polymorphic change allosterically suppresses ligand binding. <i>ELife</i> , 2019, 8, .	6.0	18
28	Transmembrane domain dependent inhibitory function of Fc $\gamma$ RIIB. <i>Protein and Cell</i> , 2018, 9, 1004-1012.	11.0	16
29	PI(4,5)P2 determines the threshold of mechanical force-induced B cell activation. <i>Journal of Cell Biology</i> , 2018, 217, 2565-2582.	5.2	22
30	Understanding of B Cell Receptor Signaling Through a Photo-Activatable Antigen Presentation System. <i>Methods in Molecular Biology</i> , 2018, 1707, 225-234.	0.9	2
31	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.	3.4	11
32	The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. <i>Cell</i> , 2018, 175, 1059-1073.e21.	28.9	148
33	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. <i>Science</i> , 2018, 362, 700-705.	12.6	28
34	Profiling the origin, dynamics, and function of traction force in B cell activation. <i>Science Signaling</i> , 2018, 11, .	3.6	59
35	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.	4.8	8
36	Impaired CD27+IgD <sup>+</sup> B Cells With Altered Gene Signature in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2018, 9, 626.	4.8	34

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37	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.	12.0	215
38	Tespa1 regulates T cell receptor-induced calcium signals by recruiting inositol 1,4,5-trisphosphate receptors. <i>Nature Communications</i> , 2017, 8, 15732.	12.8	25
39	Lipid-dependent conformational dynamics underlie the functional versatility of T-cell receptor. <i>Cell Research</i> , 2017, 27, 505-525.	12.0	38
40	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.	0.8	11
41	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.	4.6	4
42	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.	6.4	27
43	A PIP <sub>2</sub> -derived amplification loop fuels the sustained initiation of B cell activation. <i>Science Immunology</i> , 2017, 2, .	11.9	18
44	Germinal-center development of memory B cells driven by IL-9 from follicular helper T cells. <i>Nature Immunology</i> , 2017, 18, 921-930.	14.5	132
45	Substrate stiffness governs the initiation of B cell activation by the concerted signaling of PKC $\hat{I}^2$ and focal adhesion kinase. <i>ELife</i> , 2017, 6, .	6.0	40
46	Rictor positively regulates B cell receptor signaling by modulating actin reorganization via ezrin. <i>PLoS Biology</i> , 2017, 15, e2001750.	5.6	24
47	Regulation of B cell fate by chronic activity of the IgE B cell receptor. <i>ELife</i> , 2016, 5, .	6.0	77
48	Antigen Receptor Nanoclusters: Small Units with Big Functions. <i>Trends in Immunology</i> , 2016, 37, 680-689.	6.8	30
49	Impairment on the lateral mobility induced by structural changes underlies the functional deficiency of the lupus-associated polymorphism Fc $\hat{I}^3$ R1IB-T232. <i>Journal of Experimental Medicine</i> , 2016, 213, 2707-2727.	8.5	26
50	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.	7.1	27
51	Potentiating the antitumour response of CD8+ T cells by modulating cholesterol metabolism. <i>Nature</i> , 2016, 531, 651-655.	27.8	648
52	Total chemical synthesis of photoactivatable proteins for light-controlled manipulation of antigen-antibody interactions. <i>Chemical Science</i> , 2016, 7, 1891-1895.	7.4	31
53	Emodin potentiates the antiproliferative effect of interferon $\hat{I}^2$ by activation of JAK/STAT pathway signaling through inhibition of the 26S proteasome. <i>Oncotarget</i> , 2016, 7, 4664-4679.	1.8	25
54	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.	2.2	28

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55	The activation of IgM- or isotype-switched IgG- and IgE-BCR exhibits distinct mechanical force sensitivity and threshold. <i>ELife</i> , 2015, 4, .	6.0	90
56	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.	2.9	8
57	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.	3.3	9
58	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.	2.9	76
59	Lipid in T-cell receptor transmembrane signaling. <i>Progress in Biophysics and Molecular Biology</i> , 2015, 118, 130-138.	2.9	18
60	A negative-feedback function of PKC $\delta$ 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.	3.3	3
61	Acidic phospholipids govern the enhanced activation of IgG-B cell receptor. <i>Nature Communications</i> , 2015, 6, 8552.	12.8	35
62	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.	0.8	32
63	No receptor stands alone: IgG B-cell receptor intrinsic and extrinsic mechanisms contribute to antibody memory. <i>Cell Research</i> , 2014, 24, 651-664.	12.0	36
64	Near-Infrared-Emitting Iridium(III) Complexes as Phosphorescent Dyes for Live Cell Imaging. <i>Organometallics</i> , 2014, 33, 61-68.	2.3	93
65	Two natural products, trans-phytol and (22E)-ergosta-6,9,22-triene-3 $\beta$ ,5 $\alpha$ ,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.	2.8	31
66	Behçet's Disease Complicated with Thrombosis. <i>Medicine (United States)</i> , 2014, 93, e263.	1.0	46
67	Clinical Analysis of 56 Patients with Rheupus Syndrome. <i>Medicine (United States)</i> , 2014, 93, e49.	1.0	46
68	Ca <sup>2+</sup> regulates T-cell receptor activation by modulating the charge property of lipids. <i>Nature</i> , 2013, 493, 111-115.	27.8	215
69	Follicular T-helper cell recruitment governed by bystander B cells and ICOS-driven motility. <i>Nature</i> , 2013, 496, 523-527.	27.8	338
70	Encoding Immunological Memory in the Initiation of B-Cell Receptor Signaling. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2013, 78, 231-237.	1.1	4
71	B Cell Activation Is Regulated by the Stiffness Properties of the Substrate Presenting the Antigens. <i>Journal of Immunology</i> , 2013, 190, 4661-4675.	0.8	100
72	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.	2.5	4

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73	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.	10.5	26
74	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.	3.6	54
75	Understanding the Initiation of B Cell Signaling Through Live Cell Imaging. <i>Methods in Enzymology</i> , 2012, 506, 265-290.	1.0	9
76	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.	11.0	27
77	Formation of BCR oligomers provides a mechanism for B cell affinity discrimination. <i>Journal of Theoretical Biology</i> , 2012, 307, 174-182.	1.7	10
78	Intrinsic Properties of immunoglobulin IgG1 Isotype-Switched B Cell Receptors Promote Microclustering and the Initiation of Signaling. <i>Immunity</i> , 2010, 32, 778-789.	14.3	114
79	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.	22.7	157
80	Antigen affinity discrimination is an intrinsic function of the B cell receptor. <i>Journal of Experimental Medicine</i> , 2010, 207, 1095-1111.	8.5	120
81	Antigen-Induced Oligomerization of the B Cell Receptor Is an Early Target of Fcγ3RIIB Inhibition. <i>Journal of Immunology</i> , 2010, 184, 1977-1989.	0.8	70
82	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.	5.5	33
83	The molecular assembly and organization of signaling active B cell receptor oligomers. <i>Immunological Reviews</i> , 2009, 232, 34-41.	6.0	68
84	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
85	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.	1.9	113
86	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.	2.9	104
87	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.	3.8	34
88	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.	2.5	79
89	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.	3.8	116
90	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

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91	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
92	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