Wanli Liu

List of Publications by Year
in descending order

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		136885	106281
92	4,809	32	65
papers	citations	h-index	g-index

100	100	100	7026
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Asia-specific variant of human IgG1 represses colorectal tumorigenesis by shaping the tumor microenvironment. Journal of Clinical Investigation, 2022, 132, .	3.9	14
2	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.	2.9	14
3	RBD trimer mRNA vaccine elicits broad and protective immune responses against SARS-CoV-2 variants. IScience, 2022, 25, 104043.	1.9	19
4	A Biostable<scp>l</scp>â€DNA Hydrogel with Improved Stability for Biomedical Applications. Angewandte Chemie, 2022, 134, .	1.6	6
5	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.	2.9	4
6	Affinity-coupled CCL22 promotes positive selection in germinal centres. Nature, 2021, 592, 133-137.	13.7	38
7	Host-derived lipids orchestrate pulmonary Î³Î´ T cell response to provide early protection against influenza virus infection. Nature Communications, 2021, 12, 1914.	5.8	22
8	Farnesyl pyrophosphate is a new danger signal inducing acute cell death. PLoS Biology, 2021, 19, e3001134.	2.6	10
9	Transmembrane domain-mediated Lck association underlies bystander and costimulatory ICOS signaling. Cellular and Molecular Immunology, 2020, 17, 143-152.	4.8	27
10	Imaging: Gear up for mechano-immunology. Cellular Immunology, 2020, 350, 103926.	1.4	5
11	Aberrant FcÎ³RIIb and FcÎ³RIII expression on monocytes from patients with BehÃ§et's disease. Clinical Immunology, 2020, 219, 108549.	1.4	4
12	Optimized tandem CD19/CD20 CAR-engineered T cells in refractory/relapsed B cell lymphoma. Blood, 2020, 136, 1632-1644.	0.6	119
13	Editorial: BCR Signaling and B Cell Activation. Frontiers in Immunology, 2020, 11, 45.	2.2	12
14	Structural and immunogenomic insights into B-cell receptor activation. Journal of Genetics and Genomics, 2020, 47, 27-35.	1.7	7
15	Site-specific Labeling of B Cell Receptor and Soluble Immunoglobulin. Bio-protocol, 2020, 10, e3767.	0.2	0
16	A PI(4,5)P2â€derived â€œgasoline engine modelâ€•for the sustained B cell receptor activation. Immunological Reviews, 2019, 291, 75-90.	2.8	3
17	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.	1.5	21
18	Fc receptorâ€“like 1 intrinsically recruits c-Abl to enhance B cell activation and function. Science Advances, 2019, 5, eaaw0315.	4.7	19

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19	Traction force-mediated B cell activation: how and why. Science China Life Sciences, 2019, 62, 971-973.	2.3	0
20	Discs large homolog 1 regulates B-cell proliferation and antibody production. International Immunology, 2019, 31, 759-770.	1.8	2
21	Dlg1 Maintains Dendritic Cell Function by Securing Voltage-Gated K+ Channel Integrity. Journal of Immunology, 2019, 202, 3187-3197.	0.4	10
22	A Structural Change in Butyrophilin upon Phosphoantigen Binding Underlies Phosphoantigen-Mediated VÎ³9VÎ´2ÂT Cell Activation. Immunity, 2019, 50, 1043-1053.e5.	6.6	94
23	Degradation of Brutonâ€™s tyrosine kinase mutants by PROTACs for potential treatment of ibrutinib-resistant non-Hodgkin lymphomas. Leukemia, 2019, 33, 2105-2110.	3.3	105
24	B cell mechanosensing: A mechanistic overview. Advances in Immunology, 2019, 144, 23-63.	1.1	9
25	MARCKS regulates tonic and chronic active B cell receptor signaling. Leukemia, 2019, 33, 710-729.	3.3	14
26	Conformational change within the extracellular domain of B cell receptor in B cell activation upon antigen binding. ELife, 2019, 8, .	2.8	22
27	FcÎ³RIIB-I232T polymorphic change allosterically suppresses ligand binding. ELife, 2019, 8, .	2.8	18
28	Transmembrane domain dependent inhibitory function of FcÎ³RIIB. Protein and Cell, 2018, 9, 1004-1012.	4.8	16
29	PI(4,5)P2 determines the threshold of mechanical forceâ€“induced B cell activation. Journal of Cell Biology, 2018, 217, 2565-2582.	2.3	22
30	Understanding of B Cell Receptor Signaling Through a Photo-Activatable Antigen Presentation System. Methods in Molecular Biology, 2018, 1707, 225-234.	0.4	2
31	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.	1.6	11
32	The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. Cell, 2018, 175, 1059-1073.e21.	13.5	148
33	An autoimmune disease variant of IgG1 modulates B cell activation and differentiation. Science, 2018, 362, 700-705.	6.0	28
34	Profiling the origin, dynamics, and function of traction force in B cell activation. Science Signaling, 2018, 11, .	1.6	59
35	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.	2.2	8
36	Impaired CD27+IgD+ B Cells With Altered Gene Signature in Rheumatoid Arthritis. Frontiers in Immunology, 2018, 9, 626.	2.2	34

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37	PROTAC-induced BTK degradation as a novel therapy for mutated BTK C481S induced ibrutinib-resistant B-cell malignancies. Cell Research, 2018, 28, 779-781.	5.7	215
38	Tespa1 regulates T cell receptor-induced calcium signals by recruiting inositol 1,4,5-trisphosphate receptors. Nature Communications, 2017, 8, 15732.	5.8	25
39	Lipid-dependent conformational dynamics underlie the functional versatility of T-cell receptor. Cell Research, 2017, 27, 505-525.	5.7	38
40	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.	0.4	11
41	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
42	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.	2.9	27
43	A PIP ₂ -derived amplification loop fuels the sustained initiation of B cell activation. Science Immunology, 2017, 2, .	5.6	18
44	Germinal-center development of memory B cells driven by IL-9 from follicular helper T cells. Nature Immunology, 2017, 18, 921-930.	7.0	132
45	Substrate stiffness governs the initiation of B cell activation by the concerted signaling of PKCÎ² and focal adhesion kinase. ELife, 2017, 6, .	2.8	40
46	Rictor positively regulates B cell receptor signaling by modulating actin reorganization via ezrin. PLoS Biology, 2017, 15, e2001750.	2.6	24
47	Regulation of B cell fate by chronic activity of the IgE B cell receptor. ELife, 2016, 5, .	2.8	77
48	Antigen Receptor Nanoclusters: Small Units with Big Functions. Trends in Immunology, 2016, 37, 680-689.	2.9	30
49	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
50	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.	3.3	27
51	Potentiating the antitumour response of CD8+ T cells by modulating cholesterol metabolism. Nature, 2016, 531, 651-655.	13.7	648
52	Total chemical synthesis of photoactivatable proteins for light-controlled manipulation of antigenâ€“antibody interactions. Chemical Science, 2016, 7, 1891-1895.	3.7	31
53	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.	0.8	25
54	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.	0.9	28

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55	The activation of IgM- or isotype-switched IgG- and IgE-BCR exhibits distinct mechanical force sensitivity and threshold. ELife, 2015, 4, .	2.8	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. Progress in Biophysics and Molecular Biology, 2015, 118, 89-94.	1.4	8
57	The synaptic recruitment of lipid rafts is dependent on CD19-PI3K module and cytoskeleton remodeling molecules. Journal of Leukocyte Biology, 2015, 98, 223-234.	1.5	9
58	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.	1.6	76
59	Lipid in T-cell receptor transmembrane signaling. Progress in Biophysics and Molecular Biology, 2015, 118, 130-138.	1.4	18
60	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.	1.5	3
61	Acidic phospholipids govern the enhanced activation of IgG-B cell receptor. Nature Communications, 2015, 6, 8552.	5.8	35
62	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.	0.4	32
63	No receptor stands alone: IgG B-cell receptor intrinsic and extrinsic mechanisms contribute to antibody memory. Cell Research, 2014, 24, 651-664.	5.7	36
64	Near-Infrared-Emitting Iridium(III) Complexes as Phosphorescent Dyes for Live Cell Imaging. Organometallics, 2014, 33, 61-68.	1.1	93
65	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.	1.3	31
66	BehÃ§et's Disease Complicated with Thrombosis. Medicine (United States), 2014, 93, e263.	0.4	46
67	Clinical Analysis of 56 Patients with Rhupus Syndrome. Medicine (United States), 2014, 93, e49.	0.4	46
68	Ca2+ regulates T-cell receptor activation by modulating the charge property of lipids. Nature, 2013, 493, 111-115.	13.7	215
69	Follicular T-helper cell recruitment governed by bystander B cells and ICOS-driven motility. Nature, 2013, 496, 523-527.	13.7	338
70	Encoding Immunological Memory in the Initiation of B-Cell Receptor Signaling. Cold Spring Harbor Symposia on Quantitative Biology, 2013, 78, 231-237.	2.0	4
71	B Cell Activation Is Regulated by the Stiffness Properties of the Substrate Presenting the Antigens. Journal of Immunology, 2013, 190, 4661-4675.	0.4	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. PLoS ONE, 2013, 8, e63735.	1.1	4

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73	Discrimination of membrane antigen affinity by B cells requires dominance of kinetic proofreading over serial engagement. Cellular and Molecular Immunology, 2012, 9, 62-74.	4.8	26
74	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.	1.6	54
75	Understanding the Initiation of B Cell Signaling Through Live Cell Imaging. Methods in Enzymology, 2012, 506, 265-290.	0.4	9
76	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.	4.8	27
77	Formation of BCR oligomers provides a mechanism for B cell affinity discrimination. Journal of Theoretical Biology, 2012, 307, 174-182.	0.8	10
78	Intrinsic Properties of immunoglobulin IgG1 Isotype-Switched B Cell Receptors Promote Microclustering and the Initiation of Signaling. Immunity, 2010, 32, 778-789.	6.6	114
79	The tipping points in the initiation of B cell signalling: how small changes make big differences. Nature Reviews Immunology, 2010, 10, 767-777.	10.6	157
80	Antigen affinity discrimination is an intrinsic function of the B cell receptor. Journal of Experimental Medicine, 2010, 207, 1095-1111.	4.2	120
81	Antigen-Induced Oligomerization of the B Cell Receptor Is an Early Target of FcÎ³RIIB Inhibition. Journal of Immunology, 2010, 184, 1977-1989.	0.4	70
82	It's All About Change: The Antigen-driven Initiation of B-Cell Receptor Signaling. Cold Spring Harbor Perspectives in Biology, 2010, 2, a002295-a002295.	2.3	33
83	The molecular assembly and organization of signaling active Bâ€cell receptor oligomers. Immunological Reviews, 2009, 232, 34-41.	2.8	68
84	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
85	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.	1.0	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. European Journal of Immunology, 2005, 35, 505-514.	1.6	104
87	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.	1.7	34
88	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.	1.1	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. Vaccine, 2004, 23, 366-371.	1.7	116
90	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

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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.	1.8	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.	0.9	15