

# Dongfang Liu

## List of Publications by Year in descending order

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56  
papers

3,552  
citations

236925

25  
h-index

149698

56  
g-index

64  
all docs

64  
docs citations

64  
times ranked

6511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Natural Killer Cell Responses: Integration of Signals for Activation and Inhibition. <i>Annual Review of Immunology</i> , 2013, 31, 227-258.	21.8	1,012
2	COPA mutations impair ER-Golgi transport and cause hereditary autoimmune-mediated lung disease and arthritis. <i>Nature Genetics</i> , 2015, 47, 654-660.	21.4	302
3	Inhibition of the B7-H3 immune checkpoint limits tumor growth by enhancing cytotoxic lymphocyte function. <i>Cell Research</i> , 2017, 27, 1034-1045.	12.0	259
4	TCR clonotypes modulate the protective effect of HLA class I molecules in HIV-1 infection. <i>Nature Immunology</i> , 2012, 13, 691-700.	14.5	203
5	Integrin-Dependent Organization and Bidirectional Vesicular Traffic at Cytotoxic Immune Synapses. <i>Immunity</i> , 2009, 31, 99-109.	14.3	157
6	Tumor-derived exosomes in the regulation of macrophage polarization. <i>Inflammation Research</i> , 2020, 69, 435-451.	4.0	153
7	Potential therapeutic targets for inflammation in toll-like receptor 4 (TLR4)-mediated signaling pathways. <i>International Immunopharmacology</i> , 2016, 40, 79-89.	3.8	129
8	Immunological Synapse Predicts Effectiveness of Chimeric Antigen Receptor Cells. <i>Molecular Therapy</i> , 2018, 26, 963-975.	8.2	108
9	Efficacy of anti-CD147 chimeric antigen receptors targeting hepatocellular carcinoma. <i>Nature Communications</i> , 2020, 11, 4810.	12.8	95
10	Antigen-independent activation enhances the efficacy of 4-1BB-costimulated CD22 CAR T cells. <i>Nature Medicine</i> , 2021, 27, 842-850.	30.7	88
11	Tethering of Intercellular Adhesion Molecule on Target Cells Is Required for LFA-1-Dependent NK Cell Adhesion and Granule Polarization. <i>Journal of Immunology</i> , 2010, 185, 2918-2926.	0.8	78
12	The Adaptor Protein Crk Controls Activation and Inhibition of Natural Killer Cells. <i>Immunity</i> , 2012, 36, 600-611.	14.3	74
13	Glucocorticoids inhibit degranulation of mast cells in allergic asthma via nongenomic mechanism. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008, 63, 1177-1185.	5.7	63
14	Dysfunctional HIV-Specific CD8+ T Cell Proliferation Is Associated with Increased Caspase-8 Activity and Mediated by Necroptosis. <i>Immunity</i> , 2014, 41, 1001-1012.	14.3	60
15	Chimeric antigen receptor (CAR)-modified natural killer cell-based immunotherapy and immunological synapse formation in cancer and HIV. <i>Protein and Cell</i> , 2017, 8, 861-877.	11.0	53
16	Imaging of Cell-Cell Communication in a Vertical Orientation Reveals High-Resolution Structure of Immunological Synapse and Novel PD-1 Dynamics. <i>Journal of Immunology</i> , 2015, 195, 1320-1330.	0.8	49
17	Two modes of lytic granule fusion during degranulation by natural killer cells. <i>Immunology and Cell Biology</i> , 2011, 89, 728-738.	2.3	45
18	Superior Expansion and Cytotoxicity of Human Primary NK and CAR-NK Cells from Various Sources via Enriched Metabolic Pathways. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 428-445.	4.1	42

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19	Rapid biogenesis and sensitization of secretory lysosomes in NK cells mediated by target-cell recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 123-127.	7.1	39
20	Polypharmacology or Promiscuity? Structural Interactions of Resveratrol With Its Bandwagon of Targets. <i>Frontiers in Pharmacology</i> , 2018, 9, 1201.	3.5	35
21	TIRAP in the Mechanism of Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 697588.	4.8	34
22	The TLR4â€“NOS1â€“AP1 signaling axis regulates macrophage polarization. <i>Inflammation Research</i> , 2017, 66, 323-334.	4.0	33
23	The adaptor protein Crk in immune response. <i>Immunology and Cell Biology</i> , 2014, 92, 80-89.	2.3	32
24	Distinct Role of Rab27a in Granule Movement at the Plasma Membrane and in the Cytosol of NK Cells. <i>PLoS ONE</i> , 2010, 5, e12870.	2.5	29
25	The Role of Immunological Synapse in Predicting the Efficacy of Chimeric Antigen Receptor (CAR) Immunotherapy. <i>Cell Communication and Signaling</i> , 2020, 18, 134.	6.5	28
26	CAR-NK Cells Effectively Target SARS-CoV-2-Spike-Expressing Cell Lines In Vitro. <i>Frontiers in Immunology</i> , 2021, 12, 652223.	4.8	27
27	The Planar Lipid Bilayer System Serves as a Reductionist Approach for Studying NK Cell Immunological Synapses and Their Functions. <i>Methods in Molecular Biology</i> , 2016, 1441, 151-165.	0.9	25
28	Molecular mechanisms of functional natural killer deficiency in patients with partial DiGeorge syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 1293-1302.	2.9	23
29	E-cigarette promotes breast carcinoma progression and lung metastasis: Macrophage-tumor cells crosstalk and the role of CCL5 and VCAM-1. <i>Cancer Letters</i> , 2020, 491, 132-145.	7.2	23
30	Repurposing Thioridazine (TDZ) as an anti-inflammatory agent. <i>Scientific Reports</i> , 2018, 8, 12471.	3.3	22
31	The Landscape of Cell and Gene Therapies for Solid Tumors. <i>Cancer Cell</i> , 2021, 39, 7-8.	16.8	18
32	Human Immunodeficiency Viruses Pseudotyped with SARS-CoV-2 Spike Proteins Infect a Broad Spectrum of Human Cell Lines through Multiple Entry Mechanisms. <i>Viruses</i> , 2021, 13, 953.	3.3	17
33	Super-resolution Imaging of the Natural Killer Cell Immunological Synapse on a Glass-supported Planar Lipid Bilayer. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	15
34	In vitro machine learning-based CAR T immunological synapse quality measurements correlate with patient clinical outcomes. <i>PLoS Computational Biology</i> , 2022, 18, e1009883.	3.2	15
35	B Cell Rab7 Mediates Induction of Activation-Induced Cytidine Deaminase Expression and Class-Switching in T-Dependent and T-Independent Antibody Responses. <i>Journal of Immunology</i> , 2015, 194, 3065-3078.	0.8	13
36	PD-1 blocks lytic granule polarization with concomitant impairment of integrin outside-in signaling in the natural killer cell immunological synapse. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1311-1321.e8.	2.9	13

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37	CD2AP is indispensable to multistep cytotoxic process by NK cells. <i>Molecular Immunology</i> , 2010, 47, 1074-1082.	2.2	12
38	Heterotrimeric complex of p38 MAPK, PKC $\delta$ , and TIRAP is required for AP1 mediated inflammatory response. <i>International Immunopharmacology</i> , 2017, 48, 211-218.	3.8	12
39	Greedy auto-augmentation for n-shot learning using deep neural networks. <i>Neural Networks</i> , 2021, 135, 68-77.	5.9	10
40	Deletion of ER-retention motif on SARS-CoV-2 spike protein reduces cell hybrid during cell-cell fusion. <i>Cell and Bioscience</i> , 2021, 11, 114.	4.8	9
41	Crk Adaptor Proteins Regulate NK Cell Expansion and Differentiation during Mouse Cytomegalovirus Infection. <i>Journal of Immunology</i> , 2018, 200, 3420-3428.	0.8	8
42	Immune Responses and Viral Persistence in Simian/Human Immunodeficiency Virus SHIV.C.CH848-Infected Rhesus Macaques. <i>Journal of Virology</i> , 2021, 95, .	3.4	8
43	B Cell Endosomal RAB7 Promotes TRAF6 K63 Polyubiquitination and NF- $\kappa$ B Activation for Antibody Class-Switching. <i>Journal of Immunology</i> , 2020, 204, 1146-1157.	0.8	7
44	Development of a novel human CD147 knock-in NSG mouse model to test SARS-CoV-2 viral infection. <i>Cell and Bioscience</i> , 2022, 12, .	4.8	7
45	Clinical implications of clonal chromosomal abnormalities in Philadelphia negative cells in CML patients after treated with tyrosine kinase inhibitors. <i>Cancer Genetics</i> , 2019, 238, 44-49.	0.4	6
46	Epidemiologic Features of NSCLC Gene Alterations in Hispanic Patients from Puerto Rico. <i>Cancers</i> , 2020, 12, 3492.	3.7	5
47	Altered Calcium-Induced Exocytosis in Neutrophils from Allergic Patients. <i>International Archives of Allergy and Immunology</i> , 2004, 134, 281-287.	2.1	4
48	Cytogenetic and molecular landscape and its potential clinical significance in Hispanic CMML patients from Puerto Rico. <i>Oncotarget</i> , 2020, 11, 4411-4420.	1.8	4
49	Carnosic acid increases sorafenib-induced inhibition of ERK1/2 and STAT3 signaling which contributes to reduced cell proliferation and survival of hepatocellular carcinoma cells. <i>Oncotarget</i> , 2020, 11, 3129-3143.	1.8	4
50	Natural Killer (NK) and CAR-NK Cell Expansion Method using Membrane Bound-IL-21-Modified B Cell Line. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	3
51	Tissue-Specific Immunity in Homeostasis and Diseases. <i>Journal of Immunology Research</i> , 2019, 2019, 1-2.	2.2	2
52	Structured Illumination Microscopy Improves Visualization of Lytic Granules in HIV-1 Specific Cytotoxic T-Lymphocyte Immunological Synapses. <i>AIDS Research and Human Retroviruses</i> , 2015, 31, 866-867.	1.1	1
53	Dysfunctional Natural Killer cells expanded from a liver with Hepatocellular Carcinoma show reduced killing against a unique HCC cell line. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
54	Electronic cigarettes promotes the lung colonization of human breast cancer in NOD-SCID-Gamma mice. <i>International Journal of Clinical and Experimental Pathology</i> , 2020, 13, 2075-2081.	0.5	1

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55	Drug repositioning as an effective therapy for protease-activated receptor 2 inhibition. Journal of Cellular Biochemistry, 2019, 120, 1522-1526.	2.6	0
56	The Recruitment of Innate Immune Cells in Liver Diseases: Uncovering the Role of NK Cells and pDC in HCC and NASH. FASEB Journal, 2020, 34, 1-1.	0.5	0