

# Jun Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

3,816  
citations

279798

23  
h-index

361022

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

6566  
citing authors

#	ARTICLE	IF	CITATIONS
1	T cell costimulatory receptor CD28 is a primary target for PD-1-mediated inhibition. <i>Science</i> , 2017, 355, 1428-1433.	12.6	1,229
2	The kinetics of two-dimensional TCR and pMHC interactions determine T-cell responsiveness. <i>Nature</i> , 2010, 464, 932-936.	27.8	451
3	A Single Peptide-Major Histocompatibility Complex Ligand Triggers Digital Cytokine Secretion in CD4+ T Cells. <i>Immunity</i> , 2013, 39, 846-857.	14.3	317
4	Two-Stage Cooperative T Cell Receptor-Peptide Major Histocompatibility Complex-CD8 Trimolecular Interactions Amplify Antigen Discrimination. <i>Immunity</i> , 2011, 34, 13-23.	14.3	172
5	$\beta$ T Cells Recognize a Microbial Encoded B Cell Antigen to Initiate a Rapid Antigen-Specific Interleukin-17 Response. <i>Immunity</i> , 2012, 37, 524-534.	14.3	172
6	A self-illuminating nanoparticle for inflammation imaging and cancer therapy. <i>Science Advances</i> , 2019, 5, eaat2953.	10.3	153
7	High prevalence of low affinity peptide-MHC II tetramer-negative effectors during polyclonal CD4+ T cell responses. <i>Journal of Experimental Medicine</i> , 2011, 208, 81-90.	8.5	150
8	Antigen-Presenting Cell-Intrinsic PD-1 Neutralizes PD-L1 in cis to Attenuate PD-1 Signaling in T Cells. <i>Cell Reports</i> , 2018, 24, 379-390.e6.	6.4	140
9	Profiling B cell immunodominance after SARS-CoV-2 infection reveals antibody evolution to non-neutralizing viral targets. <i>Immunity</i> , 2021, 54, 1290-1303.e7.	14.3	101
10	CD8+ T cells and NK cells: parallel and complementary soldiers of immunotherapy. <i>Current Opinion in Chemical Engineering</i> , 2018, 19, 9-20.	7.8	100
11	Kinetics of MHC-CD8 Interaction at the T Cell Membrane. <i>Journal of Immunology</i> , 2007, 179, 7653-7662.	0.8	90
12	Detection, phenotyping, and quantification of antigen-specific T cells using a peptide-MHC dodecamer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1890-7.	7.1	90
13	Single-molecule fluorescence resonance energy transfer in molecular biology. <i>Nanoscale</i> , 2016, 8, 19928-19944.	5.6	78
14	Cyclodextrin-Derived Intrinsically Bioactive Nanoparticles for Treatment of Acute and Chronic Inflammatory Diseases. <i>Advanced Materials</i> , 2019, 31, e1904607.	21.0	75
15	A myeloperoxidase-responsive and biodegradable luminescent material for real-time imaging of inflammatory diseases. <i>Materials Today</i> , 2017, 20, 493-500.	14.2	52
16	T-Cell Mechanobiology: Force Sensation, Potentiation, and Translation. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	44
17	The histone methyltransferase EZH2 primes the early differentiation of follicular helper T cells during acute viral infection. <i>Cellular and Molecular Immunology</i> , 2020, 17, 247-260.	10.5	38
18	Nanotraps for the containment and clearance of SARS-CoV-2. <i>Matter</i> , 2021, 4, 2059-2082.	10.0	38

#	ARTICLE	IF	CITATIONS
19	Single-cell metabolic imaging reveals a SLC2A3-dependent glycolytic burst in motile endothelial cells. <i>Nature Metabolism</i> , 2021, 3, 714-727.	11.9	37
20	The receptor repertoire and functional profile of follicular T cells in HIV-infected lymph nodes. <i>Science Immunology</i> , 2018, 3, .	11.9	36
21	T cell antigen recognition at the cell membrane. <i>Molecular Immunology</i> , 2012, 52, 155-164.	2.2	34
22	The Chimeric Antigen Receptor Detection Toolkit. <i>Frontiers in Immunology</i> , 2020, 11, 1770.	4.8	34
23	TCR-pMHC bond conformation controls TCR ligand discrimination. <i>Cellular and Molecular Immunology</i> , 2020, 17, 203-217.	10.5	25
24	Gamma delta T cells recognize haptens and mount a hapten-specific response. <i>ELife</i> , 2014, 3, e03609.	6.0	24
25	Cathepsin-Mediated Cleavage of Peptides from Peptide Amphiphiles Leads to Enhanced Intracellular Peptide Accumulation. <i>Bioconjugate Chemistry</i> , 2017, 28, 2316-2326.	3.6	23
26	Stable, small, specific, low-valency quantum dots for single-molecule imaging. <i>Nanoscale</i> , 2018, 10, 4406-4414.	5.6	20
27	Lattice Light-Sheet Microscopy Multi-dimensional Analyses (LaMDA) of T-Cell Receptor Dynamics Predict T-Cell Signaling States. <i>Cell Systems</i> , 2020, 10, 433-444.e5.	6.2	18
28	A Multifunctional Neutralizing Antibody-Conjugated Nanoparticle Inhibits and Inactivates SARS-CoV-2. <i>Advanced Science</i> , 2022, 9, e2103240.	11.2	16
29	Improved integration of single-cell transcriptome and surface protein expression by LinQ-View. <i>Cell Reports Methods</i> , 2021, 1, 100056.	2.9	10
30	Remote Floating-Gate Field-Effect Transistor with 2-Dimensional Reduced Graphene Oxide Sensing Layer for Reliable Detection of SARS-CoV-2 Spike Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24187-24196.	8.0	10
31	CD4 <sup>+</sup> T-cell epitope-based heterologous prime-boost vaccination potentiates anti-tumor immunity and PD-1/PD-L1 immunotherapy. , 2022, 10, e004022.		7
32	Visualizing Surface T-Cell Receptor Dynamics Four-Dimensionally Using Lattice Light-Sheet Microscopy. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	5
33	Primary resistance to CD19-directed chimeric antigen receptor T-cell therapy in T-cell/histiocyte-rich large B-cell lymphoma. <i>Blood</i> , 2021, 137, 3454-3459.	1.4	4
34	Antigen multimers: Specific, sensitive, precise, and multifunctional high-avidity CAR-staining reagents. <i>Matter</i> , 2021, 4, 3917-3940.	10.0	4
35	Synthesis and Functionalization of Copper-Doped Indium Phosphate Quantum Dots with Ratiometric Fluorescence. <i>Nano</i> , 2019, 14, 1950159.	1.0	2
36	Single-cell lactate production rate as a measure of glycolysis in endothelial cells. <i>STAR Protocols</i> , 2021, 2, 100807.	1.2	2