

Alex Y Huang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	6,181 citations	33 h-index	78 g-index
97 ext. papers	7,009 ext. citations	9.5 avg, IF	5.32 L-index

#	Paper	IF	Citations
88	Mesenchymal stromal cell mitochondrial transfer to human induced T-regulatory cells mediates FOXP3 stability. <i>Scientific Reports</i> , 2021 , 11, 10676	4.9	1
87	Charting a path for prioritization of novel agents for clinical trials in osteosarcoma: A report from the Children's Oncology Group New Agents for Osteosarcoma Task Force. <i>Pediatric Blood and Cancer</i> , 2021 , 68, e29188	3	2
86	Notch-Regulated Dendritic Cells Restrain Inflammation-Associated Colorectal Carcinogenesis. <i>Cancer Immunology Research</i> , 2021 , 9, 348-361	12.5	2
85	Winnie- Mice: A Spontaneous Model of Colitis-Associated Colorectal Cancer Combining Genetics and Inflammation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
84	Intravenous immunoglobulin therapy enhances suppressive regulatory T cells and decreases innate lymphoid cells in children with immune thrombocytopenia. <i>Pediatric Blood and Cancer</i> , 2020 , 67, e28075 ³		8
83	Regulatory T cells differ from conventional CD4 T cells in their recirculatory behavior and lymph node transit times. <i>Immunology and Cell Biology</i> , 2019 , 97, 787-798	5	2
82	Insights From Dynamic Neuro-Immune Imaging on Murine Immune Responses to CNS Damage. <i>Frontiers in Neuroscience</i> , 2019 , 13, 737	5.1	4
81	Spatio-temporal dynamics of neocortical presynaptic terminal development using multi-photon imaging of the corpus callosum in vivo. <i>Scientific Reports</i> , 2019 , 9, 14028	4.9	1
80	Positively selected enhancer elements endow osteosarcoma cells with metastatic competence. <i>Nature Medicine</i> , 2018 , 24, 176-185	50.5	72
79	CCL3 augments tumor rejection and enhances CD8 T cell infiltration through NK and CD103 dendritic cell recruitment via IFN γ <i>OncolImmunology</i> , 2018 , 7, e1393598	7.2	51
78	Systemic administration of β glucan of 200kDa modulates melanoma microenvironment and suppresses metastatic cancer. <i>OncolImmunology</i> , 2018 , 7, e1387347	7.2	10
77	Inhibiting Notch1 enhances immunotherapy efficacy in melanoma by preventing Notch1 dependent immune suppressive properties. <i>Cancer Letters</i> , 2018 , 434, 144-151	9.9	13
76	Optimizing Tumor Microenvironment for Cancer Immunotherapy: β Glucan-Based Nanoparticles. <i>Frontiers in Immunology</i> , 2018 , 9, 341	8.4	42
75	Posttransplant Intramuscular Injection of PLX-R18 Mesenchymal-Like Adherent Stromal Cells Improves Human Hematopoietic Engraftment in A Murine Transplant Model. <i>Frontiers in Medicine</i> , 2018 , 5, 37	4.9	5
74	Aryl Hydrocarbon Receptor Nuclear Translocator in Vascular Smooth Muscle Cells Is Required for Optimal Peripheral Perfusion Recovery. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	1
73	Foxp3 expression in induced T regulatory cells derived from human umbilical cord blood vs. adult peripheral blood. <i>Bone Marrow Transplantation</i> , 2018 , 53, 1568-1577	4.4	5
72	Chemical disruption of the pyroptotic pore-forming protein gasdermin D inhibits inflammatory cell death and sepsis. <i>Science Immunology</i> , 2018 , 3,	28	184

71	Human Bone Marrow Derived Mesenchymal Stromal Cells Enhance the Number and Function of Umbilical Cord Blood Peripheral Tregs during IL-2 Driven Ex Vivo Expansion. <i>Blood</i> , 2018 , 132, 1116-1116 ²⁻²		
70	Biomimetic post-capillary venule expansions for leukocyte adhesion studies. <i>Scientific Reports</i> , 2018 , 8, 9328	4.9	4
69	Cyclin-dependent kinase 5 activity is required for allogeneic T-cell responses after hematopoietic cell transplantation in mice. <i>Blood</i> , 2017 , 129, 246-256	2.2	8
68	Adoptive natural killer cell therapy is effective in reducing pulmonary metastasis of Ewing sarcoma. <i>OncolImmunology</i> , 2017 , 6, e1303586	7.2	12
67	Plant viral nanoparticles-based HER2 vaccine: Immune response influenced by differential transport, localization and cellular interactions of particulate carriers. <i>Biomaterials</i> , 2017 , 121, 15-27	15.6	70
66	Live-cell visualization of gasdermin D-driven pyroptotic cell death. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14649-14658	5.4	35
65	Notch2 blockade enhances hematopoietic stem cell mobilization and homing. <i>Haematologica</i> , 2017 , 102, 1785-1795	6.6	15
64	CCL3 Enhances Antitumor Immune Priming in the Lymph Node IFN γ with Dependency on Natural Killer Cells. <i>Frontiers in Immunology</i> , 2017 , 8, 1390	8.4	16
63	Fibroblastic niches prime T cell alloimmunity through Delta-like Notch ligands. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1574-1588	15.9	45
62	Nanoparticle Systems Modulating Myeloid-Derived Suppressor Cells for Cancer Immunotherapy. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1843-1857	3	14
61	Multifactorial regulators of tumor programmed death-ligand 1 (PD-L1) response. <i>Translational Cancer Research</i> , 2017 , 6, S1451-S1454	0.3	
60	Cdk5 disruption attenuates tumor PD-L1 expression and promotes antitumor immunity. <i>Science</i> , 2016 , 353, 399-403	33.3	203
59	Aberrant Notch Signaling in the Bone Marrow Microenvironment of Acute Lymphoid Leukemia Suppresses Osteoblast-Mediated Support of Hematopoietic Niche Function. <i>Cancer Research</i> , 2016 , 76, 1641-52	10.1	36
58	Intra-osseous Co-transplantation of CD34-selected Umbilical Cord Blood and Mesenchymal Stromal Cells. <i>Hematology & Medical Oncology</i> , 2016 , 1, 25-29	1	5
57	Unique Transcompartmental Bridge: Antigen-Presenting Cells Sampling across Endothelial and Mucosal Barriers. <i>Frontiers in Immunology</i> , 2016 , 7, 231	8.4	7
56	Transforming growth factor- β sustains the survival of Foxp3(+) regulatory cells during late phase of oropharyngeal candidiasis infection. <i>Mucosal Immunology</i> , 2016 , 9, 1015-26	9.2	12
55	Multiple Administrations of Viral Nanoparticles Alter Behavior-Insights from Intravital Microscopy. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 829-837	5.5	13
54	Transient Surface CCR5 Expression by Naive CD8+ T Cells within Inflamed Lymph Nodes Is Dependent on High Endothelial Venule Interaction and Augments Th Cell-Dependent Memory Response. <i>Journal of Immunology</i> , 2016 , 196, 3653-64	5.3	6

53	Focal transient CNS vessel leak provides a tissue niche for sequential immune cell accumulation during the asymptomatic phase of EAE induction. <i>Experimental Neurology</i> , 2015 , 266, 74-85	5.7	26
52	Notch Receptor-Ligand Engagement Maintains Hematopoietic Stem Cell Quiescence and Niche Retention. <i>Stem Cells</i> , 2015 , 33, 2280-93	5.8	26
51	Dysregulated intrahepatic CD4 T-cell activation drives liver inflammation in ileitis-prone SAMP1/YitFc mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015 , 1, 406-419	7.9	5
50	Triterpenoid inducers of Nrf2 signaling as potential therapeutic agents in sickle cell disease: a review. <i>Frontiers of Medicine</i> , 2015 , 9, 46-56	12	13
49	Polyphenol administration impairs T-cell proliferation by imprinting a distinct dendritic cell maturational profile. <i>European Journal of Immunology</i> , 2015 , 45, 2638-49	6.1	21
48	Cx25 contributes to leukemia cell communication and chemosensitivity. <i>Oncotarget</i> , 2015 , 6, 31508-21	3.3	17
47	High-resolution intravital imaging reveals that blood-derived macrophages but not resident microglia facilitate secondary axonal dieback in traumatic spinal cord injury. <i>Experimental Neurology</i> , 2014 , 254, 109-20	5.7	139
46	The roles of blood-derived macrophages and resident microglia in the neuroinflammatory response to implanted intracortical microelectrodes. <i>Biomaterials</i> , 2014 , 35, 8049-64	15.6	55
45	Intravital imaging of axonal interactions with microglia and macrophages in a mouse dorsal column crush injury. <i>Journal of Visualized Experiments</i> , 2014 , e52228	1.6	4
44	Administration of reconstituted polyphenol oil bodies efficiently suppresses dendritic cell inflammatory pathways and acute intestinal inflammation. <i>PLoS ONE</i> , 2014 , 9, e88898	3.7	33
43	Utilization of Multiphoton Imaging For Real-Time Fate Determination of Mesenchymal Stem Cells in an Immunocompetent Mouse Model. <i>Journal of Stem Cell Research & Therapy</i> , 2014 , 4,	1	2
42	Comparison of intravital thinned skull and cranial window approaches to study CNS immunobiology in the mouse cortex. <i>Intravital</i> , 2014 , 3,		57
41	Loss of Notch Receptor-Ligand Engagement Leads to Increased Hematopoietic Stem and Progenitor Cell Egress and Mobilization. <i>Blood</i> , 2014 , 124, 652-652	2.2	
40	Viewing transplantation immunology through today's lens: new models, new imaging, and new insights. <i>Biology of Blood and Marrow Transplantation</i> , 2013 , 19, S44-51	4.7	2
39	The prevalence of hypertension and abnormal kidney function in children with sickle cell disease -a cross sectional review. <i>BMC Nephrology</i> , 2013 , 14, 237	2.7	32
38	Dynamic Imaging of Marrow-Resident Granulocytes Interacting with Human Mesenchymal Stem Cells upon Systemic Lipopolysaccharide Challenge. <i>Stem Cells International</i> , 2013 , 2013, 656839	5	12
37	Murine leukemia virus envelope gp70 is a shared biomarker for the high-sensitivity quantification of murine tumor burden. <i>Oncotarget</i> , 2013 , 2, e26889	7.2	33
36	Extravascular CX3CR1+ cells extend intravascular dendritic processes into intact central nervous system vessel lumen. <i>Microscopy and Microanalysis</i> , 2013 , 19, 778-90	0.5	22

35	Chemokines as Cancer Vaccine Adjuvants. <i>Vaccines</i> , 2013 , 1, 444-62	5.3	25
34	T-ALL Leukemia Cells Instructively Modulate Leukemia Niche To Suppress Normal Hematopoiesis. <i>Blood</i> , 2013 , 122, 1217-1217	2.2	
33	Quantification of lymph node transit times reveals differences in antigen surveillance strategies of naive CD4+ and CD8+ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 18036-41	11.5	109
32	Cutaneous penetration of the topically applied photosensitizer Pc 4 as detected by intravital 2-photon laser scanning microscopy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2012 , 9, 225-31	3.5	4
31	Intravital imaging of the mouse popliteal lymph node. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	22
30	Displaced Niche Location and Decreased Quiescence Maintenance of Hematopoietic Stem Cells Due to Dysregulation of Notch Adhesive Interaction with Stromal Environment in Mice with Notch O-Fucosylation Deficiency. <i>Blood</i> , 2012 , 120, 29-29	2.2	
29	Direct in vivo evidence for tumor propagation by glioblastoma cancer stem cells. <i>PLoS ONE</i> , 2011 , 6, e24867	9.7	99
28	Mycobacterium tuberculosis and TLR2 agonists inhibit induction of type I IFN and class I MHC antigen cross processing by TLR9. <i>Journal of Immunology</i> , 2010 , 185, 2405-15	5.3	59
27	Cyclin-dependent kinase 5 activity is required for T cell activation and induction of experimental autoimmune encephalomyelitis. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2507-19	16.6	51
26	Bulging glands? Blame it on B cells. <i>Blood</i> , 2010 , 115, 4624-6	2.2	1
25	Fucose-deficient hematopoietic stem cells have decreased self-renewal and aberrant marrow niche occupancy. <i>Transfusion</i> , 2010 , 50, 2660-9	2.9	18
24	Cyclin-dependent kinase 5 activity is required for T cell activation and induction of experimental autoimmune encephalomyelitis. <i>Journal of Cell Biology</i> , 2010 , 191, i4-i4	7.3	
23	Visualizing Immune Surveillance in Tumor Microenvironment with Two-photon Microscopy. <i>Microscopy and Microanalysis</i> , 2009 , 15, 892-893	0.5	
22	Comparative ultrastructural study of human corpus cavernosum during ageing. <i>Microscopy and Microanalysis</i> , 2008 , 14, 152-155	0.5	6
21	Making friends in out-of-the-way places: how cells of the immune system get together and how they conduct their business as revealed by intravital imaging. <i>Immunological Reviews</i> , 2008 , 221, 163-81	11.3	78
20	L-selectin-negative CCR7- effector and memory CD8+ T cells enter reactive lymph nodes and kill dendritic cells. <i>Nature Immunology</i> , 2007 , 8, 743-52	19.1	166
19	Watching Immune Cells in Action. <i>Biology of Blood and Marrow Transplantation</i> , 2007 , 13, 111-114	4.7	
18	Highways, byways and breadcrumbs: directing lymphocyte traffic in the lymph node. <i>Trends in Immunology</i> , 2007 , 28, 346-52	14.4	117

17	Extrafollicular activation of lymph node B cells by antigen-bearing dendritic cells. <i>Science</i> , 2006 , 312, 1672-6	33.3	409
16	Natural killer cell behavior in lymph nodes revealed by static and real-time imaging. <i>Journal of Experimental Medicine</i> , 2006 , 203, 619-31	16.6	246
15	Dynamic imaging of dendritic cell extension into the small bowel lumen in response to epithelial cell TLR engagement. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2841-52	16.6	565
14	Chemokines enhance immunity by guiding naive CD8+ T cells to sites of CD4+ T cell-dendritic cell interaction. <i>Nature</i> , 2006 , 440, 890-5	50.4	601
13	An extended vision for dynamic high-resolution intravital immune imaging. <i>Seminars in Immunology</i> , 2005 , 17, 431-41	10.7	57
12	Illuminating the landscape of in vivo immunity: insights from dynamic in situ imaging of secondary lymphoid tissues. <i>Immunity</i> , 2004 , 21, 331-9	32.3	31
11	Illuminating the Landscape of In Vivo Immunity Insights from Dynamic In Situ Imaging of Secondary Lymphoid Tissues. <i>Immunity</i> , 2004 , 21, 331-339	32.3	73
10	Antigen-specific cancer immunotherapy using a GM-CSF secreting allogeneic tumor cell-based vaccine. <i>International Journal of Cancer</i> , 2000 , 86, 725-30	7.5	56
9	In vivo cross-priming of MHC class I-restricted antigens requires the TAP transporter. <i>Immunity</i> , 1996 , 4, 349-55	32.3	193
8	Enhanced immune priming with spatial distribution of paracrine cytokine vaccines. <i>Journal of Immunotherapy</i> , 1996 , 19, 176-83	5	58
7	The immunodominant major histocompatibility complex class I-restricted antigen of a murine colon tumor derives from an endogenous retroviral gene product. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 9730-5	11.5	317
6	Does B7-1 expression confer antigen-presenting cell capacity to tumors in vivo?. <i>Journal of Experimental Medicine</i> , 1996 , 183, 769-76	16.6	137
5	Localization of Epstein-Barr Virus-Encoded Small RNA-1 by in situ Reverse Transcription: Demonstration of cDNA Generation in Formalin-Fixed Paraffin-Embedded Tissue Sections. <i>Journal of Biomedical Science</i> , 1995 , 2, 249-255	13.3	
4	A reassessment of the role of B7-1 expression in tumor rejection. <i>Journal of Experimental Medicine</i> , 1995 , 182, 1415-21	16.6	162
3	Simplified high-sensitivity sequencing of a major histocompatibility complex class I-associated immunoreactive peptide using matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Biochemistry</i> , 1995 , 226, 15-25	3.1	71
2	Role of bone marrow-derived cells in presenting MHC class I-restricted tumor antigens. <i>Science</i> , 1994 , 264, 961-5	33.3	1022
1	Photodehalogenation of 4-haloindoles. <i>Journal of the American Chemical Society</i> , 1989 , 111, 8060-8061	16.4	19