

Alex Y Huang

List of Publications by Year in descending order

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96
papers

7,585
citations

101384

36
h-index

58464

82
g-index

97
all docs

97
docs citations

97
times ranked

10259
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of bone marrow-derived cells in presenting MHC class I-restricted tumor antigens. <i>Science</i> , 1994, 264, 961-965.	6.0	1,127
2	Chemokines enhance immunity by guiding naive CD8+ T cells to sites of CD4+ T cell–dendritic cell interaction. <i>Nature</i> , 2006, 440, 890-895.	13.7	752
3	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, 2841-2852.	4.2	647
4	Extrafollicular Activation of Lymph Node B Cells by Antigen-Bearing Dendritic Cells. <i>Science</i> , 2006, 312, 1672-1676.	6.0	469
5	Chemical disruption of the pyroptotic pore-forming protein gasdermin D inhibits inflammatory cell death and sepsis. <i>Science Immunology</i> , 2018, 3, .	5.6	369
6	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, 9730-9735.	3.3	367
7	Natural killer cell behavior in lymph nodes revealed by static and real-time imaging. <i>Journal of Experimental Medicine</i> , 2006, 203, 619-631.	4.2	266
8	Cdk5 disruption attenuates tumor PD-L1 expression and promotes antitumor immunity. <i>Science</i> , 2016, 353, 399-403.	6.0	259
9	In Vivo Cross-Priming of MHC Class I–Restricted Antigens Requires the TAP Transporter. <i>Immunity</i> , 1996, 4, 349-355.	6.6	209
10	L-selectin-negative CCR7 ^{hi} effector and memory CD8+ T cells enter reactive lymph nodes and kill dendritic cells. <i>Nature Immunology</i> , 2007, 8, 743-752.	7.0	183
11	A reassessment of the role of B7-1 expression in tumor rejection.. <i>Journal of Experimental Medicine</i> , 1995, 182, 1415-1421.	4.2	181
12	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, 109-120.	2.0	170
13	Does B7-1 expression confer antigen-presenting cell capacity to tumors in vivo?. <i>Journal of Experimental Medicine</i> , 1996, 183, 769-776.	4.2	151
14	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, 18036-18041.	3.3	139
15	Highways, byways and breadcrumbs: directing lymphocyte traffic in the lymph node. <i>Trends in Immunology</i> , 2007, 28, 346-352.	2.9	133
16	Positively selected enhancer elements endow osteosarcoma cells with metastatic competence. <i>Nature Medicine</i> , 2018, 24, 176-185.	15.2	126
17	Direct In Vivo Evidence for Tumor Propagation by Glioblastoma Cancer Stem Cells. <i>PLoS ONE</i> , 2011, 6, e24807.	1.1	125
18	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.	5.7	88

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19	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, 163-181.	2.8	82
20	CCL3 augments tumor rejection and enhances CD8 ⁺ T cell infiltration through NK and CD103 ⁺ dendritic cell recruitment via IFN γ . <i>Oncolmmunology</i> , 2018, 7, e1393598.	2.1	78
21	The roles of blood-derived macrophages and resident microglia in the neuroinflammatory response to implanted Intracortical microelectrodes. <i>Biomaterials</i> , 2014, 35, 8049-8064.	5.7	77
22	Illuminating the Landscape of In Vivo Immunity Insights from Dynamic In Situ Imaging of Secondary Lymphoid Tissues. <i>Immunity</i> , 2004, 21, 331-339.	6.6	76
23	Comparison of intravital thinned skull and cranial window approaches to study CNS immunobiology in the mouse cortex. <i>Intravital</i> , 2014, 3, e29728.	2.0	76
24	Optimizing Tumor Microenvironment for Cancer Immunotherapy: β -Glucan-Based Nanoparticles. <i>Frontiers in Immunology</i> , 2018, 9, 341.	2.2	76
25	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.	1.1	75
26	Fibroblastic niches prime T cell alloimmunity through Delta-like Notch ligands. <i>Journal of Clinical Investigation</i> , 2017, 127, 1574-1588.	3.9	72
27	Antigen-specific cancer immunotherapy using a GM-CSF secreting allogeneic tumor cell-based vaccine. <i>Journal of Clinical Investigation</i> , 2000, 86, 725-730.		64
28	<i>Mycobacterium tuberculosis</i> 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, 2405-2415.	0.4	63
29	Murine leukemia virus envelope gp70 is a shared biomarker for the high-sensitivity quantification of murine tumor burden. <i>Oncolmmunology</i> , 2013, 2, e26889.	2.1	61
30	Enhanced Immune Priming with Spatial Distribution of Paracrine Cytokine Vaccines. <i>Journal of Immunotherapy</i> , 1996, 19, 176-183.	1.2	60
31	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, 2507-2519.	4.2	60
32	An extended vision for dynamic high-resolution intravital immune imaging. <i>Seminars in Immunology</i> , 2005, 17, 431-441.	2.7	59
33	Live-cell visualization of gasdermin D-driven pyroptotic cell death. <i>Journal of Biological Chemistry</i> , 2017, 292, 14649-14658.	1.6	55
34	Illuminating the Landscape of In Vivo Immunity. <i>Immunity</i> , 2004, 21, 331-339.	6.6	47
35	Administration of Reconstituted Polyphenol Oil Bodies Efficiently Suppresses Dendritic Cell Inflammatory Pathways and Acute Intestinal Inflammation. <i>PLoS ONE</i> , 2014, 9, e88898.	1.1	46
36	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, 1641-1652.	0.4	45

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37	The prevalence of hypertension and abnormal kidney function in children with sickle cell disease – a cross sectional review. BMC Nephrology, 2013, 14, 237.	0.8	39
38	Polyphenol administration impairs T cell proliferation by imprinting a distinct dendritic cell maturational profile. European Journal of Immunology, 2015, 45, 2638-2649.	1.6	36
39	Notch Receptor-Ligand Engagement Maintains Hematopoietic Stem Cell Quiescence and Niche Retention. Stem Cells, 2015, 33, 2280-2293.	1.4	34
40	Extravascular CX3CR1 ⁺ Cells Extend Intravascular Dendritic Processes into Intact Central Nervous System Vessel Lumen. Microscopy and Microanalysis, 2013, 19, 778-790.	0.2	32
41	Chemokines as Cancer Vaccine Adjuvants. Vaccines, 2013, 1, 444-462.	2.1	31
42	Focal transient CNS vessel leak provides a tissue niche for sequential immune cell accumulation during the asymptomatic phase of EAE induction. Experimental Neurology, 2015, 266, 74-85.	2.0	31
43	CCL3 Enhances Antitumor Immune Priming in the Lymph Node via IFN γ with Dependency on Natural Killer Cells. Frontiers in Immunology, 2017, 8, 1390.	2.2	27
44	Inhibiting Notch1 enhances immunotherapy efficacy in melanoma by preventing Notch1 dependent immune suppressive properties. Cancer Letters, 2018, 434, 144-151.	3.2	25
45	Photodehalogenation of 4-haloindoles. Journal of the American Chemical Society, 1989, 111, 8060-8061.	6.6	24
46	Intravital Imaging of the Mouse Popliteal Lymph Node. Journal of Visualized Experiments, 2012, , .	0.2	23
47	Systemic administration of β -glucan of 200 kDa modulates melanoma microenvironment and suppresses metastatic cancer. Oncoimmunology, 2018, 7, e1387347.	2.1	21
48	Cx25 contributes to leukemia cell communication and chemosensitivity. Oncotarget, 2015, 6, 31508-31521.	0.8	21
49	Notch2 blockade enhances hematopoietic stem cell mobilization and homing. Haematologica, 2017, 102, 1785-1795.	1.7	19
50	Fucose-deficient hematopoietic stem cells have decreased self-renewal and aberrant marrow niche occupancy. Transfusion, 2010, 50, 2660-2669.	0.8	18
51	Intravenous immunoglobulin therapy enhances suppressive regulatory T cells and decreases innate lymphoid cells in children with immune thrombocytopenia. Pediatric Blood and Cancer, 2020, 67, e28075.	0.8	18
52	Nanoparticle Systems Modulating Myeloid-Derived Suppressor Cells for Cancer Immunotherapy. Current Topics in Medicinal Chemistry, 2017, 17, 1843-1857.	1.0	18
53	Multiple Administrations of Viral Nanoparticles Alter <i>in Vivo</i> Behavior – Insights from Intravital Microscopy. ACS Biomaterials Science and Engineering, 2016, 2, 829-837.	2.6	17
54	Adoptive natural killer cell therapy is effective in reducing pulmonary metastasis of Ewing sarcoma. Oncoimmunology, 2017, 6, e1303586.	2.1	17

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55	Transforming growth factor- β 1 sustains the survival of Foxp3+ regulatory cells during late phase of oropharyngeal candidiasis infection. <i>Mucosal Immunology</i> , 2016, 9, 1015-1026.	2.7	16
56	Triterpenoid inducers of Nrf2 signaling as potential therapeutic agents in sickle cell disease: a review. <i>Frontiers of Medicine</i> , 2015, 9, 46-56.	1.5	15
57	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.	0.6	14
58	Dynamic Imaging of Marrow-Resident Granulocytes Interacting with Human Mesenchymal Stem Cells upon Systemic Lipopolysaccharide Challenge. <i>Stem Cells International</i> , 2013, 2013, 1-11.	1.2	13
59	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, 3653-3664.	0.4	13
60	Notch-Regulated Dendritic Cells Restrain Inflammation-Associated Colorectal Carcinogenesis. <i>Cancer Immunology Research</i> , 2021, 9, 348-361.	1.6	13
61	Mesenchymal stromal cell mitochondrial transfer to human induced T-regulatory cells mediates FOXP3 stability. <i>Scientific Reports</i> , 2021, 11, 10676.	1.6	12
62	Biomimetic post-capillary venule expansions for leukocyte adhesion studies. <i>Scientific Reports</i> , 2018, 8, 9328.	1.6	11
63	Unique Transcompartmental Bridge: Antigen-Presenting Cells Sampling across Endothelial and Mucosal Barriers. <i>Frontiers in Immunology</i> , 2016, 7, 231.	2.2	9
64	Winnie-APCMin/+ Mice: A Spontaneous Model of Colitis-Associated Colorectal Cancer Combining Genetics and Inflammation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2972.	1.8	9
65	Intra-osseous Co-transplantation of CD34-selected Umbilical Cord Blood and Mesenchymal Stromal Cells. <i>Hematology & Medical Oncology</i> , 2016, 1, 25-29.	0.1	8
66	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.	1.2	7
67	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.	1.0	7
68	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.	0.8	7
69	Comparative ultrastructural study of human corpus cavernosum during ageing. <i>Microscopy and Microanalysis</i> , 2008, 14, 152-155.	0.2	6
70	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.	2.3	6
71	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.	1.3	6
72	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, 225-231.	1.3	5

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73	Insights From Dynamic Neuro-Immune Imaging on Murine Immune Responses to CNS Damage. <i>Frontiers in Neuroscience</i> , 2019, 13, 737.	1.4	5
74	Intravital Imaging of Axonal Interactions with Microglia and Macrophages in a Mouse Dorsal Column Crush Injury. <i>Journal of Visualized Experiments</i> , 2014, , e52228.	0.2	4
75	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-S51.	2.0	2
76	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, 04, .	0.3	2
77	Bulging glands? Blame it on B cells. <i>Blood</i> , 2010, 115, 4624-4626.	0.6	1
78	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, .	1.6	1
79	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.	1.6	1
80	Multifactorial regulators of tumor programmed death-ligand 1 (PD-L1) response. <i>Translational Cancer Research</i> , 2017, 6, S1451-S1454.	0.4	1
81	Abstract 971: Effects of tumor cryo-ablation on cGAS-STING pathway and antitumor immunity in syngeneic murine rhabdomyosarcoma. <i>Cancer Research</i> , 2020, 80, 971-971.	0.4	1
82	Overexpression of VEGF in the MOPC 315 Plasmacytoma Induces Tumor Immunity in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5235.	1.8	1
83	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.	2.6	0
84	Watching Immune Cells in Action. <i>Biology of Blood and Marrow Transplantation</i> , 2007, 13, 111-114.	2.0	0
85	Visualizing Immune Surveillance in Tumor Microenvironment with Two-photon Microscopy. <i>Microscopy and Microanalysis</i> , 2009, 15, 892-893.	0.2	0
86	Fingolimod (FTY720), in Clinically-Safe Doses, Ameliorates Graft-Versus-Host Disease (GVHD) in Murine Model of Haploidentical Hematopoietic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2016, 22, S416-S417.	2.0	0
87	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.	2.3	0
88	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.	0.6	0
89	T-ALL Leukemia Cells Instructively Modulate Leukemia Niche To Suppress Normal Hematopoiesis. <i>Blood</i> , 2013, 122, 1217-1217.	0.6	0
90	Abstract 1174: VCAM-1 enhances immune evasion in a murine model of metastatic cervical cancer. , 2014, , .		0

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91	Loss of Notch Receptor-Ligand Engagement Leads to Increased Hematopoietic Stem and Progenitor Cell Egress and Mobilization. <i>Blood</i> , 2014, 124, 652-652.	0.6	0
92	Abstract B158: Cyclin dependent kinase-5 regulates IFN γ induced PD-L1 expression via IRF-1 in medulloblastoma. , 2016, , .		0
93	Abstract LB-151: Positively selected enhancer elements endow tumor cells with metastatic competence. , 2016, , .		0
94	Abstract A119: CCL3 in the tumor microenvironment augments antitumor immune priming in the lymph node. , 2016, , .		0
95	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.	0.6	0
96	Abstract A195: Mechanosensory mechanisms and in vivo tissue topology contribute to rheology of circulating leukocytes resulting in efficient post-capillary vessel wall adhesion and recruitment. , 2019, , .		0