

Alex Y Huang

List of Publications by Citations

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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 | Role of bone marrow-derived cells in presenting MHC class I-restricted tumor antigens. <i>Science</i> , 1994 , 264, 961-5 | 33.3 | 1022 |
| 87 | 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 |
| 86 | 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 |
| 85 | Extrafollicular activation of lymph node B cells by antigen-bearing dendritic cells. <i>Science</i> , 2006 , 312, 1672-6 | 33.3 | 409 |
| 84 | 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 |
| 83 | 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 |
| 82 | Cdk5 disruption attenuates tumor PD-L1 expression and promotes antitumor immunity. <i>Science</i> , 2016 , 353, 399-403 | 33.3 | 203 |
| 81 | In vivo cross-priming of MHC class I-restricted antigens requires the TAP transporter. <i>Immunity</i> , 1996 , 4, 349-55 | 32.3 | 193 |
| 80 | Chemical disruption of the pyroptotic pore-forming protein gasdermin D inhibits inflammatory cell death and sepsis. <i>Science Immunology</i> , 2018 , 3, | 28 | 184 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | Highways, byways and breadcrumbs: directing lymphocyte traffic in the lymph node. <i>Trends in Immunology</i> , 2007 , 28, 346-52 | 14.4 | 117 |
| 74 | 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 |
| 73 | Direct in vivo evidence for tumor propagation by glioblastoma cancer stem cells. <i>PLoS ONE</i> , 2011 , 6, e24807 | 9.7 | 99 |
| 72 | 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 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 71 | 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 |
| 70 | Positively selected enhancer elements endow osteosarcoma cells with metastatic competence. <i>Nature Medicine</i> , 2018 , 24, 176-185 | 50.5 | 72 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | Enhanced immune priming with spatial distribution of paracrine cytokine vaccines. <i>Journal of Immunotherapy</i> , 1996 , 19, 176-83 | 5 | 58 |
| 65 | Comparison of intravital thinned skull and cranial window approaches to study CNS immunobiology in the mouse cortex. <i>Intravital</i> , 2014 , 3, | | 57 |
| 64 | An extended vision for dynamic high-resolution intravital immune imaging. <i>Seminars in Immunology</i> , 2005 , 17, 431-41 | 10.7 | 57 |
| 63 | 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 |
| 62 | 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 |
| 61 | CCL3 augments tumor rejection and enhances CD8 T cell infiltration through NK and CD103 dendritic cell recruitment via IFN γ <i>Oncolmunology</i> , 2018 , 7, e1393598 | 7.2 | 51 |
| 60 | 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 |
| 59 | Fibroblastic niches prime T cell alloimmunity through Delta-like Notch ligands. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1574-1588 | 15.9 | 45 |
| 58 | Optimizing Tumor Microenvironment for Cancer Immunotherapy: β -Glucan-Based Nanoparticles. <i>Frontiers in Immunology</i> , 2018 , 9, 341 | 8.4 | 42 |
| 57 | 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 |
| 56 | Live-cell visualization of gasdermin D-driven pyroptotic cell death. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14649-14658 | 5.4 | 35 |
| 55 | 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 |
| 54 | Murine leukemia virus envelope gp70 is a shared biomarker for the high-sensitivity quantification of murine tumor burden. <i>Oncolmunology</i> , 2013 , 2, e26889 | 7.2 | 33 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | Notch Receptor-Ligand Engagement Maintains Hematopoietic Stem Cell Quiescence and Niche Retention. <i>Stem Cells</i> , 2015 , 33, 2280-93 | 5.8 | 26 |
| 49 | Chemokines as Cancer Vaccine Adjuvants. <i>Vaccines</i> , 2013 , 1, 444-62 | 5.3 | 25 |
| 48 | 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 |
| 47 | Intravital imaging of the mouse popliteal lymph node. <i>Journal of Visualized Experiments</i> , 2012 , | 1.6 | 22 |
| 46 | 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 |
| 45 | Photodehalogenation of 4-haloindoles. <i>Journal of the American Chemical Society</i> , 1989 , 111, 8060-8061 | 16.4 | 19 |
| 44 | Fucose-deficient hematopoietic stem cells have decreased self-renewal and aberrant marrow niche occupancy. <i>Transfusion</i> , 2010 , 50, 2660-9 | 2.9 | 18 |
| 43 | Cx25 contributes to leukemia cell communication and chemosensitivity. <i>Oncotarget</i> , 2015 , 6, 31508-21 | 3.3 | 17 |
| 42 | 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 |
| 41 | Notch2 blockade enhances hematopoietic stem cell mobilization and homing. <i>Haematologica</i> , 2017 , 102, 1785-1795 | 6.6 | 15 |
| 40 | Nanoparticle Systems Modulating Myeloid-Derived Suppressor Cells for Cancer Immunotherapy. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 1843-1857 | 3 | 14 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | Adoptive natural killer cell therapy is effective in reducing pulmonary metastasis of Ewing sarcoma. <i>Oncolmmunology</i> , 2017 , 6, e1303586 | 7.2 | 12 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 35 | 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 |
| 34 | 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 |
| 33 | Systemic administration of β -glucan of 200kDa modulates melanoma microenvironment and suppresses metastatic cancer. <i>Oncotarget</i> , 2018 , 7, e1387347 | 7.2 | 10 |
| 32 | 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 |
| 31 | 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 |
| 30 | Unique Transcompartmental Bridge: Antigen-Presenting Cells Sampling across Endothelial and Mucosal Barriers. <i>Frontiers in Immunology</i> , 2016 , 7, 231 | 8.4 | 7 |
| 29 | Comparative ultrastructural study of human corpus cavernosum during ageing. <i>Microscopy and Microanalysis</i> , 2008 , 14, 152-155 | 0.5 | 6 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | Insights From Dynamic Neuro-Immune Imaging on Murine Immune Responses to CNS Damage. <i>Frontiers in Neuroscience</i> , 2019 , 13, 737 | 5.1 | 4 |
| 22 | 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 |
| 21 | 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 |
| 20 | Biomimetic post-capillary venule expansions for leukocyte adhesion studies. <i>Scientific Reports</i> , 2018 , 8, 9328 | 4.9 | 4 |
| 19 | 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 |
| 18 | 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 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Notch-Regulated Dendritic Cells Restrain Inflammation-Associated Colorectal Carcinogenesis. <i>Cancer Immunology Research</i> , 2021 , 9, 348-361 | 12.5 | 2 |
| 13 | 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 |
| 12 | 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 |
| 11 | Bulging glands? Blame it on B cells. <i>Blood</i> , 2010 , 115, 4624-6 | 2.2 | 1 |
| 10 | Mesenchymal stromal cell mitochondrial transfer to human induced T-regulatory cells mediates FOXP3 stability. <i>Scientific Reports</i> , 2021 , 11, 10676 | 4.9 | 1 |
| 9 | Visualizing Immune Surveillance in Tumor Microenvironment with Two-photon Microscopy. <i>Microscopy and Microanalysis</i> , 2009 , 15, 892-893 | 0.5 | |
| 8 | Watching Immune Cells in Action. <i>Biology of Blood and Marrow Transplantation</i> , 2007 , 13, 111-114 | 4.7 | |
| 7 | 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 | |
| 6 | Multifactorial regulators of tumor programmed death-ligand 1 (PD-L1) response. <i>Translational Cancer Research</i> , 2017 , 6, S1451-S1454 | 0.3 | |
| 5 | 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} | | |
| 4 | 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 | |
| 3 | 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 | |
| 2 | 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 | |
| 1 | T-ALL Leukemia Cells Instructively Modulate Leukemia Niche To Suppress Normal Hematopoiesis. <i>Blood</i> , 2013 , 122, 1217-1217 | 2.2 | |