Heather D Hickman

List of Publications by Year
in descending order

96 papers	5,302 citations	109321 35 h-index	91884 69 g-index
102 all docs	102 docs citations	102 times ranked	8948 citing authors

#	Article	IF	Citations
1	Antiviral Activities of Group I Innate Lymphoid Cells. Journal of Molecular Biology, 2022, 434, 167266.	4.2	3
2	Imaging viral infection in vivo to gain unique perspectives on cellular antiviral immunity*. Immunological Reviews, 2022, 306, 200-217.	6.0	0
3	Poxviruses and paramyxoviruses use a conserved mechanism of STAT1 antagonism to inhibit interferon signaling. Cell Host and Microbe, 2022, 30, 357-372.e11.	11.0	9
4	Mild SARS-CoV-2 infection in rhesus macaques is associated with viral control prior to antigen-specific T cell responses in tissues. Science Immunology, 2022, 7, eabo0535.	11.9	17
5	Butyrate administration is not sufficient to improve immune reconstitution in antiretroviral-treated SIV-infected macaques. Scientific Reports, 2022, 12, 7491.	3.3	5
6	Intravenous nanoparticle vaccination generates stem-like TCF1+ neoantigen-specific CD8+ T cells. Nature Immunology, 2021, 22, 41-52.	14.5	110
7	Aberrant type 1 immunity drives susceptibility to mucosal fungal infections. Science, 2021, 371, .	12.6	84
8	Group 1 innate lymphoid-cell-derived interferon-Î³ maintains anti-viral vigilance in the mucosal epithelium. Immunity, 2021, 54, 276-290.e5.	14.3	30
9	Enteric helminth coinfection enhances host susceptibility to neurotropic flaviviruses via a tuft cell-IL-4 receptor signaling axis. Cell, 2021, 184, 1214-1231.e16.	28.9	48
10	A sand fly salivary protein acts as a neutrophil chemoattractant. Nature Communications, 2021, 12, 3213.	12.8	19
11	Response to Comments on â€œAberrant type 1 immunity drives susceptibility to mucosal fungal infectionsâ€• Science, 2021, 373, eabi8835.	12.6	5
12	Protocol for analyzing and visualizing antiviral immune responses after acute infection of the murine oral mucosa. STAR Protocols, 2021, 2, 100790.	1.2	3
13	MARCO ⁺ lymphatic endothelial cells sequester arthritogenic alphaviruses to limit viremia and viral dissemination. EMBO Journal, 2021, 40, e108966.	7.8	18
14	Persistent Oxidative Stress and Inflammasome Activation in CD14highCD16â^' Monocytes From COVID-19 Patients. Frontiers in Immunology, 2021, 12, 799558.	4.8	44
15	An Agonistic Anti-CD137 Antibody Disrupts Lymphoid Follicle Structure and T-Cell-Dependent Antibody Responses. Cell Reports Medicine, 2020, 1, 100035.	6.5	3
16	MyD88-dependent influx of monocytes and neutrophils impairs lymph node B cell responses to chikungunya virus infection via Irf5, Nos2 and Nox2. PLoS Pathogens, 2020, 16, e1008292.	4.7	22
17	Bystanders get in the game. Science Translational Medicine, 2020, 12, .	12.4	0
18	Title is missing!. , 2020, 16, e1008292.		0

#	Article	IF	Citations
19	Title is missing!. , 2020, 16, e1008292.		0
20	Title is missing!. , 2020, 16, e1008292.		0
21	Title is missing!. , 2020, 16, e1008292.		0
22	The Bone Marrow Protects and Optimizes Immunological Memory during Dietary Restriction. Cell, 2019, 178, 1088-1101.e15.	28.9	160
23	Tracing Antiviral CD8+ T Cell Responses Using In Vivo Imaging. Journal of Immunology, 2019, 203, 775-781.	0.8	4
24	Neuraminidase inhibition contributes to influenza A virus neutralization by anti-hemagglutinin stem antibodies. Journal of Experimental Medicine, 2019, 216, 304-316.	8.5	63
25	Outflanking immunodominance to target subdominant broadly neutralizing epitopes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13474-13479.	7.1	57
26	Intravital Imaging of Vaccinia Virus-Infected Mice. Methods in Molecular Biology, 2019, 2023, 301-311.	0.9	8
27	Lymph node conduits transport virions for rapid T cell activation. Nature Immunology, 2019, 20, 602-612.	14.5	74
28	Slowing blood flow to fight viral infection. Science, 2019, 363, 585-586.	12.6	3
29	Simian Immunodeficiency Virus Infection of Rhesus Macaques Results in Delayed Zika Virus Clearance. MBio, 2019, 10, .	4.1	4
30	Vaccinia virus hijacks EGFR signalling to enhance virus spread through rapid and directed infected cell motility. Nature Microbiology, 2019, 4, 216-225.	13.3	73
31	Growth and Purification of Vaccinia Virus Stocks for MPM Imaging. Methods in Molecular Biology, 2019, 2023, 287-299.	0.9	0
32	Teaching an old antibody response new tricks. Science Translational Medicine, 2019, 11, .	12.4	0
33	T cells iron out tumors. Science Translational Medicine, 2019, 11, .	12.4	1
34	Innate lymphoid cells pack on the pounds. Science Translational Medicine, 2019, 11, .	12.4	0
35	Viruses teach T cells to tackle tumors. Science Translational Medicine, 2019, 11, .	12.4	0
36	Antibodies go with the lymphatic flow. Science Translational Medicine, 2019, 11, .	12.4	0

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37	Editorial overview: Viral immunology: Generating immunity to diverse viral pathogens. Current Opinion in Virology, 2018, 28, viii-x.	5.4	0
38	Intranasal Live Influenza Vaccine Priming Elicits Localized B Cell Responses in Mediastinal Lymph Nodes. Journal of Virology, 2018, 92, .	3.4	30
39	Intravital mucosal imaging of CD8+ resident memory T cells shows tissue-autonomous recall responses that amplify secondary memory. Nature Immunology, 2018, 19, 173-182.	14.5	220
40	Influenza A Virus Negative Strand RNA Is Translated for CD8+ T Cell Immunosurveillance. Journal of Immunology, 2018, 201, 1222-1228.	0.8	22
41	Chikungunya virus impairs draining lymph node function by inhibiting HEV-mediated lymphocyte recruitment. JCI Insight, 2018, 3, .	5.0	24
42	New insights into antiviral immunity gained through intravital imaging. Current Opinion in Virology, 2017, 22, 59-63.	5.4	9
43	T Cells Take on Zika Virus. Immunity, 2017, 46, 13-14.	14.3	8
44	Defining B cell immunodominance to viruses. Nature Immunology, 2017, 18, 456-463.	14.5	218
45	Wild Mouse Gut Microbiota Promotes Host Fitness and Improves Disease Resistance. Cell, 2017, 171, 1015-1028.e13.	28.9	603
46	Inhibitors of the Histone Methyltransferases EZH2/1 Induce a Potent Antiviral State and Suppress Infection by Diverse Viral Pathogens. MBio, 2017, 8, .	4.1	56
47	Protein Translation Activity: A New Measure of Host Immune Cell Activation. Journal of Immunology, 2016, 197, 1498-1506.	0.8	21
48	Oxygen Sensing by T Cells Establishes an Immunologically Tolerant Metastatic Niche. Cell, 2016, 166, 1117-1131.e14.	28.9	203
49	Zika in the Brain: New Models Shed Light on Viral Infection. Trends in Molecular Medicine, 2016, 22, 639-641.	6.7	12
50	Generation and Protective Ability of Influenza Virusâ€“Specific Antibody-Dependent Cellular Cytotoxicity in Humans Elicited by Vaccination, Natural Infection, and Experimental Challenge. Journal of Infectious Diseases, 2016, 214, 945-952.	4.0	84
51	Defining Viral Defective Ribosomal Products: Standard and Alternative Translation Initiation Events Generate a Common Peptide from Influenza A Virus M2 and M1 mRNAs. Journal of Immunology, 2016, 196, 3608-3617.	0.8	25
52	Illuminating inflammasome activity in vivo. Nature Medicine, 2016, 22, 22-23.	30.7	1
53	Locally Produced IL-10 Limits Cutaneous Vaccinia Virus Spread. PLoS Pathogens, 2016, 12, e1005493.	4.7	30
54	Ubiquitous Autofragmentation of Fluorescent Proteins Creates Abundant Defective Ribosomal Products (DRiPs) for Immunosurveillance. Journal of Biological Chemistry, 2015, 290, 16431-16439.	3.4	18

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55	Imaging CD8+T cells during diverse viral infections. Intravital, 2015, 4, e1055425.	2.0	2
56	There goes the macrophage neighborhood. Science, 2015, 347, 609-610.	12.6	0
57	CXCR3 Chemokine Receptor Enables Local CD8+ T Cell Migration for the Destruction of Virus-Infected Cells. Immunity, 2015, 42, 524-537.	14.3	184
58	Evolution of MPCV Service Module Propulsion and GN&C Interface Requirements between Constellation and European Service Module. , 2014, , .		0
59	Biogenesis of Influenza A Virus Hemagglutinin Cross-Protective Stem Epitopes. PLoS Pathogens, 2014, 10, e1004204.	4.7	8
60	Anatomically Restricted Synergistic Antiviral Activities of Innate and Adaptive Immune Cells in the Skin. Cell Host and Microbe, 2013, 13, 155-168.	11.0	76
61	Going Pro to enhance <scp>T</scp>â€cell immunogenicity: <scp>E</scp>asy as Ï€?. European Journal of Immunology, 2013, 43, 2814-2817.	2.9	4
62	Nuclear translation visualized by ribosome-bound nascent chain puromycylation. Journal of Cell Biology, 2012, 197, 45-57.	5.2	255
63	Endogenous viral antigen processing generates peptide-specific MHC class I cell-surface clusters. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15407-15412.	7.1	65
64	Chemokines control naive CD8+ T cell selection of optimal lymph node antigen presenting cells. Journal of Experimental Medicine, 2011, 208, 2511-2524.	8.5	80
65	From optical bench to cageside: intravital microscopy on the long road to rational vaccine design. Immunological Reviews, 2011, 239, 209-220.	6.0	8
66	Although Divergent in Residues of the Peptide Binding Site, Conserved Chimpanzee Patr-AL and Polymorphic Human HLA-A*02 Have Overlapping Peptide-Binding Repertoires. Journal of Immunology, 2011, 186, 1575-1588.	0.8	21
67	In vivo imaging of the T cell response to infection. Current Opinion in Immunology, 2010, 22, 293-298.	5.5	11
68	Mining the plasma immunopeptidome for cancer peptides as biomarkers and beyond. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18747-18748.	7.1	13
69	Unexpected Role for the Immunoproteasome Subunit LMP2 in Antiviral Humoral and Innate Immune Responses. Journal of Immunology, 2010, 184, 4115-4122.	0.8	82
70	Cutting Edge: Sympathetic Nervous System Increases Proinflammatory Cytokines and Exacerbates Influenza A Virus Pathogenesis. Journal of Immunology, 2010, 184, 540-544.	0.8	106
71	Quantitating T Cell Cross-Reactivity for Unrelated Peptide Antigens. Journal of Immunology, 2009, 183, 4337-4345.	0.8	81
72	Sympathetic nervous system control of anti-influenza CD8⁺T cell responses. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5300-5305.	7.1	85

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73	Murine Norovirus Infection Has No Significant Effect on Adaptive Immunity to Vaccinia Virus or Influenza A Virus. Journal of Virology, 2009, 83, 7357-7360.	3.4	22
74	Innate immune and chemically triggered oxidative stress modifies translational fidelity. Nature, 2009, 462, 522-526.	27.8	290
75	Caught in the Act: Intravital Multiphoton Microscopy of Host-Pathogen Interactions. Cell Host and Microbe, 2009, 5, 13-21.	11.0	46
76	Hemagglutinin Receptor Binding Avidity Drives Influenza A Virus Antigenic Drift. Science, 2009, 326, 734-736.	12.6	429
77	Direct priming of antiviral CD8+ T cells in the peripheral interfollicular region of lymph nodes. Nature Immunology, 2008, 9, 155-165.	14.5	240
78	Terminal Deoxynucleotidyl Transferase Establishes and Broadens Antiviral CD8+ T Cell Immunodominance Hierarchies. Journal of Immunology, 2008, 181, 649-659.	0.8	32
79	New lane in the information highway: alternative reading frame peptides elicit T cells with potent antiretrovirus activity. Journal of Experimental Medicine, 2007, 204, 2501-2504.	8.5	11
80	Development and implementation of a direct detection, quantitation and validation system for class I MHC self-peptide epitopes. Journal of Immunological Methods, 2007, 318, 47-58.	1.4	27
81	Youth has its privileges: maturation inhibits DC cross-priming. Nature Immunology, 2006, 7, 125-126.	14.5	10
82	The High Frequency Indian Rhesus Macaque MHC Class I Molecule, Mamu-B*01, Does Not Appear to Be Involved in CD8+T Lymphocyte Responses to SIVmac239. Journal of Immunology, 2005, 175, 5986-5997.	0.8	35
83	Rhesus Macaque MHC Class I Molecules Present HLA-B-Like Peptides. Journal of Immunology, 2005, 175, 367-375.	0.8	29
84	Back to the fold: T cell recognition of HFE, a MHC class Ib molecule that regulates iron metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12649-12650.	7.1	2
85	A Charged Amino Acid Residue in the Transmembrane/Cytoplasmic Region of Tapasin Influences MHC Class I Assembly and Maturation. Journal of Immunology, 2005, 174, 962-969.	0.8	41
86	Toward a Definition of Self: Proteomic Evaluation of the Class I Peptide Repertoire. Journal of Immunology, 2004, 172, 2944-2952.	0.8	104
87	Population of the HLA Ligand Database. Tissue Antigens, 2003, 61, 12-19.	1.0	64
88	Cutting Edge: Class I Presentation of Host Peptides Following HIV Infection. Journal of Immunology, 2003, 171, 22-26.	0.8	75
89	Escape in One of Two Cytotoxic T-Lymphocyte Epitopes Bound by a High-Frequency Major Histocompatibility Complex Class I Molecule, Mamu-A*02: a Paradigm for Virus Evolution and Persistence?. Journal of Virology, 2002, 76, 11623-11636.	3.4	77
90	HLA class I polymorphism has a dual impact on ligand binding and chaperone interaction. Human Immunology, 2002, 63, 248-255.	2.4	39

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91	Disparate binding of chaperone proteins by HLA-A subtypes. Immunogenetics, 2002, 53, 830-834.	2.4	29
92	Non-conservative substitutions distinguish previously uncharacterized HLA-A molecules. Tissue Antigens, 2001, 57, 95-102.	1.0	1
93	Gorillas with Spondyloarthropathies Express an MHC Class I Molecule with Only Limited Sequence Similarity to HLA-B27 that Binds Peptides with Arginine at P2. Journal of Immunology, 2001, 166, 3334-3344.	0.8	32
94	C-terminal epitope tagging facilitates comparative ligand mapping from MHC class I positive cells. Human Immunology, 2000, 61, 1339-1346.	2.4	23
95	Alpha-2 domain polymorphism and HLA class I peptide loading. Tissue Antigens, 1999, 54, 450-460.	1.0	12
96	Cell-to-cell trafficking of cucumber mosaic virus movement protein:green fluorescent protein fusion produced by biolistic gene bombardment in tobacco. Plant Journal, 1997, 12, 1223-1230.	5.7	94