Jonathan W Yewdell

List of Publications by Year
in descending order

99 papers	14,455 citations	34105 52 h-index	32842 100 g-index
110 all docs	110 docs citations	110 times ranked	14654 citing authors

#	Article	IF	Citations
1	The Remarkable Nilabh Shastri: Voices of his students, mentees, and colleagues. Molecular Immunology, 2022, 143, 100-104.	2.2	2
2	MHC Class I Immunopeptidome: Past, Present, and Future. Molecular and Cellular Proteomics, 2022, 21, 100230.	3.8	23
3	MLN4924 Inhibits Defective Ribosomal Product Antigen Presentation Independently of Direct NEDDylation of Protein Antigens. Journal of Immunology, 2022, , ji2100584.	0.8	0
4	Broadly neutralizing antibodies target the coronavirus fusion peptide. Science, 2022, 377, 728-735.	12.6	111
5	Original Antigenic Sin: How Original? How Sinful?. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a038786.	6.2	58
6	Genome-wide Screens Identify Lineage- and Tumor-Specific Genes Modulating MHC-I- and MHC-II-Restricted Immunosurveillance of Human Lymphomas. Immunity, 2021, 54, 116-131.e10.	14.3	72
7	A few good peptides: MHC class I-based cancer immunosurveillance and immunoevasion. Nature Reviews Immunology, 2021, 21, 116-128.	22.7	139
8	Immune MAL2-practice: breast cancer immunoevasion via MHC class I degradation. Journal of Clinical Investigation, 2021, 131, .	8.2	9
9	Most non-canonical proteins uniquely populate the proteome or immunopeptidome. Cell Reports, 2021, 34, 108815.	6.4	120
10	Individuals cannot rely on COVID-19 herd immunity: Durable immunity to viral disease is limited to viruses with obligate viremic spread. PLoS Pathogens, 2021, 17, e1009509.	4.7	36
11	Cutting Edge: Myosin 18A Is a Novel Checkpoint Regulator in B Cell Differentiation and Antibody-Mediated Immunity. Journal of Immunology, 2021, 206, 2521-2526.	0.8	5
12	Single-cell BCR and transcriptome analysis after influenza infection reveals spatiotemporal dynamics of antigen-specific B cells. Cell Reports, 2021, 35, 109286.	6.4	67
13	Severe Acute Respiratory Syndrome Coronavirus 2 Seroassay Performance and Optimization in a Population With High Background Reactivity in Mali. Journal of Infectious Diseases, 2021, 224, 2001-2009.	4.0	34
14	Antigenic drift: Understanding COVID-19. Immunity, 2021, 54, 2681-2687.	14.3	74
15	A single intranasal dose of a live-attenuated parainfluenza virus-vectored SARS-CoV-2 vaccine is protective in hamsters. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
16	Decoding mRNA translatability and stability from the 5â€² UTR. Nature Structural and Molecular Biology, 2020, 27, 814-821.	8.2	106
17	An R848-Conjugated Influenza Virus Vaccine Elicits Robust Immunoglobulin G to Hemagglutinin Stem in a Newborn Nonhuman Primate Model. Journal of Infectious Diseases, 2020, 224, 351-359.	4.0	14
18	Hybrid Gene Origination Creates Human-Virus Chimeric Proteins during Infection. Cell, 2020, 181, 1502-1517.e23.	28.9	33

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19	DRiPs get molecular. Current Opinion in Immunology, 2020, 64, 130-136.	5.5	27
20	Host CD8Î±⁺ and CD103⁺ dendritic cells prime transplant antigenâ€specific CD8⁺ T cells via crossâ€dressing. Immunology and Cell Biology, 2020, 98, 563-576.	2.3	8
21	Influenza-infected newborn and adult monkeys exhibit a strong primary antibody response to hemagglutinin stem. JCI Insight, 2020, 5, .	5.0	13
22	A SIINFEKL-Based System to Measure MHC Class I Antigen Presentation Efficiency and Kinetics. Methods in Molecular Biology, 2019, 1988, 109-122.	0.9	20
23	Peptide Channeling: The Key to MHC Class I Immunosurveillance?. Trends in Cell Biology, 2019, 29, 929-939.	7.9	39
24	Ribosomal Proteins Regulate MHC Class I Peptide Generation for Immunosurveillance. Molecular Cell, 2019, 73, 1162-1173.e5.	9.7	81
25	Neuraminidase inhibition contributes to influenza A virus neutralization by anti-hemagglutinin stem antibodies. Journal of Experimental Medicine, 2019, 216, 304-316.	8.5	63
26	Influenza A Virus Infection Induces Viral and Cellular Defective Ribosomal Products Encoded by Alternative Reading Frames. Journal of Immunology, 2019, 202, 3370-3380.	0.8	23
27	Influenza Hemagglutinin and Neuraminidase: Yinâ€"Yang Proteins Coevolving to Thwart Immunity. Viruses, 2019, 11, 346.	3.3	122
28	Lymph node conduits transport virions for rapid T cell activation. Nature Immunology, 2019, 20, 602-612.	14.5	74
29	Human Influenza A Virus Hemagglutinin Glycan Evolution Follows a Temporal Pattern to a Glycan Limit. MBio, 2019, 10, .	4.1	74
30	Myc controls a distinct transcriptional program in fetal thymic epithelial cells that determines thymus growth. Nature Communications, 2019, 10, 5498.	12.8	39
31	Flu DRiPs in MHC Class I Immunosurveillance. Virologica Sinica, 2019, 34, 162-167.	3.0	13
32	Immunoribosomes: Whereâ€™s thereâ€™s fire, thereâ€™s fire. Molecular Immunology, 2019, 113, 38-42.	2.2	23
33	Vaccine induction of antibodies and tissue-resident CD8+ T cells enhances protection against mucosal SHIV-infection in young macaques. JCI Insight, 2019, 4, .	5.0	50
34	Subdominance and poor intrinsic immunogenicity limit humoral immunity targeting influenza HA stem. Journal of Clinical Investigation, 2019, 129, 850-862.	8.2	78
35	Intranasal Live Influenza Vaccine Priming Elicits Localized B Cell Responses in Mediastinal Lymph Nodes. Journal of Virology, 2018, 92, .	3.4	30
36	Enhancing responses to cancer immunotherapy. Science, 2018, 359, 516-517.	12.6	39

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37	Antibody Immunodominance: The Key to Understanding Influenza Virus Antigenic Drift. Viral Immunology, 2018, 31, 142-149.	1.3	90
38	Influenza A Virus Negative Strand RNA Is Translated for CD8+ T Cell Immunosurveillance. Journal of Immunology, 2018, 201, 1222-1228.	0.8	22
39	Influenza A virus hemagglutinin glycosylation compensates for antibody escape fitness costs. PLoS Pathogens, 2018, 14, e1006796.	4.7	59
40	Defining B cell immunodominance to viruses. Nature Immunology, 2017, 18, 456-463.	14.5	218
41	Varied Role of Ubiquitylation in Generating MHC Class I Peptide Ligands. Journal of Immunology, 2017, 198, 3835-3845.	0.8	38
42	Autoimmune T cell recognition of alternative-reading-frame-encoded peptides. Nature Medicine, 2017, 23, 409-410.	30.7	7
43	Influenza A virus hemagglutinin specific antibodies interfere with virion neuraminidase activity via two distinct mechanisms. Virology, 2017, 500, 178-183.	2.4	39
44	Protein Translation Activity: A New Measure of Host Immune Cell Activation. Journal of Immunology, 2016, 197, 1498-1506.	0.8	21
45	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
46	A Simple Flow-Cytometric Method Measuring B Cell Surface Immunoglobulin Avidity Enables Characterization of Affinity Maturation to Influenza A Virus. MBio, 2015, 6, e01156.	4.1	34
47	CXCR3 Chemokine Receptor Enables Local CD8+ T Cell Migration for the Destruction of Virus-Infected Cells. Immunity, 2015, 42, 524-537.	14.3	184
48	Lamprey VLRB response to influenza virus supports universal rules of immunogenicity and antigenicity. ELife, 2015, 4, .	6.0	58
49	Influenza A virus nucleoprotein selectively decreases neuraminidase gene-segment packaging while enhancing viral fitness and transmissibility. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16854-16859.	7.1	64
50	Translating DRiPs: MHC class I immunosurveillance of pathogens and tumors. Journal of Leukocyte Biology, 2014, 95, 551-562.	3.3	127
51	Flow Cytometry Reveals that H5N1 Vaccination Elicits Cross-Reactive Stem-Directed Antibodies from Multiple Ig Heavy-Chain Lineages. Journal of Virology, 2014, 88, 4047-4057.	3.4	220
52	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
53	Defining Influenza A Virus Hemagglutinin Antigenic Drift by Sequential Monoclonal Antibody Selection. Cell Host and Microbe, 2013, 13, 314-323.	11.0	97
54	Mixed Proteasomes Function To Increase Viral Peptide Diversity and Broaden Antiviral CD8+ T Cell Responses. Journal of Immunology, 2013, 191, 52-59.	0.8	59

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55	Structure and accessibility of HA trimers on intact 2009 H1N1 pandemic influenza virus to stem region-specific neutralizing antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4592-4597.	7.1	99
56	Nuclear translation visualized by ribosome-bound nascent chain puromycylation. Journal of Cell Biology, 2012, 197, 45-57.	5.2	255
57	Pandemic H1N1 influenza vaccine induces a recall response in humans that favors broadly cross-reactive memory B cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9047-9052.	7.1	371
58	MHC class I antigen processing distinguishes endogenous antigens based on their translation from cellular vs. viral mRNA. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7025-7030.	7.1	33
59	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
60	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
61	Out with the old, in with the new? Comparing methods for measuring protein degradation. Cell Biology International, 2011, 35, 457-462.	3.0	53
62	Distinct Pathways Generate Peptides from Defective Ribosomal Products for CD8+ T Cell Immunosurveillance. Journal of Immunology, 2011, 186, 2065-2072.	0.8	55
63	Fitness costs limit influenza A virus hemagglutinin glycosylation as an immune evasion strategy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1417-22.	7.1	122
64	Influenza A Virus Hemagglutinin Antibody Escape Promotes Neuraminidase Antigenic Variation and Drug Resistance. PLoS ONE, 2011, 6, e15190.	2.5	67
65	Compartmentalized MHC class I antigen processing enhances immunosurveillance by circumventing the law of mass action. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6964-6969.	7.1	68
66	Defective Ribosomal Products Are the Major Source of Antigenic Peptides Endogenously Generated from Influenza A Virus Neuraminidase. Journal of Immunology, 2010, 184, 1419-1424.	0.8	40
67	RNA Polymerase II Inhibitors Dissociate Antigenic Peptide Generation from Normal Viral Protein Synthesis: A Role for Nuclear Translation in Defective Ribosomal Product Synthesis?. Journal of Immunology, 2010, 185, 6728-6733.	0.8	38
68	Monoclonal antibodies specific for discontinuous epitopes direct refolding of influenza A virus hemagglutinin. Molecular Immunology, 2010, 47, 1132-1136.	2.2	15
69	Hemagglutinin Receptor Binding Avidity Drives Influenza A Virus Antigenic Drift. Science, 2009, 326, 734-736.	12.6	429
70	Direct priming of antiviral CD8+ T cells in the peripheral interfollicular region of lymph nodes. Nature Immunology, 2008, 9, 155-165.	14.5	240
71	Viral Alteration of Cellular Translational Machinery Increases Defective Ribosomal Products. Journal of Virology, 2007, 81, 7220-7229.	3.4	41
72	Plumbing the sources of endogenous MHC class I peptide ligands. Current Opinion in Immunology, 2007, 19, 79-86.	5.5	70

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73	Confronting Complexity: Real-World Immunodominance in Antiviral CD8+ T Cell Responses. Immunity, 2006, 25, 533-543.	14.3	333
74	The DRiP hypothesis decennial: support, controversy, refinement and extension. Trends in Immunology, 2006, 27, 368-373.	6.8	192
75	Poxvirus CD8 + T-Cell Determinants and Cross-Reactivity in BALB/c Mice. Journal of Virology, 2006, 80, 6318-6323.	3.4	109
76	The seven dirty little secrets of major histocompatibility complex class I antigen processing. Immunological Reviews, 2005, 207, 8-18.	6.0	73
77	Immunoproteasomes: Regulating the regulator. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9089-9090.	7.1	54
78	Identification of poxvirus CD8+ T cell determinants to enable rational design and characterization of smallpox vaccines. Journal of Experimental Medicine, 2005, 201, 95-104.	8.5	286
79	CD8+ T Cell Cross-Priming via Transfer of Proteasome Substrates. Science, 2004, 304, 1318-1321.	12.6	268
80	Comparative immunopeptidomics of humans and their pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13268-13272.	7.1	38
81	Reversal in the Immunodominance Hierarchy in Secondary CD8+ T Cell Responses to Influenza A Virus: Roles for Cross-Presentation and Lysis-Independent Immunodomination. Journal of Immunology, 2004, 173, 5021-5027.	0.8	70
82	Immune recognition of a human renal cancer antigen through post-translational protein splicing. Nature, 2004, 427, 252-256.	27.8	314
83	Systematic Search Fails to Detect Immunogenic MHC Class-I-Restricted Determinants Encoded by Influenza A Virus Noncoding Sequences. Virology, 2003, 305, 50-54.	2.4	11
84	Making sense of mass destruction: quantitating MHC class I antigen presentation. Nature Reviews Immunology, 2003, 3, 952-961.	22.7	377
85	Quantitating Protein Synthesis, Degradation, and Endogenous Antigen Processing. Immunity, 2003, 18, 343-354.	14.3	461
86	IMMUNOLOGY: Hide and Seek in the Peptidome. Science, 2003, 301, 1334-1335.	12.6	39
87	Mice Deficient in Perforin, CD4 + T Cells, or CD28-Mediated Signaling Maintain the Typical Immunodominance Hierarchies of CD8 + T-Cell Responses to Influenza Virus. Journal of Virology, 2002, 76, 10332-10337.	3.4	50
88	Viral interference with antigen presentation. Nature Immunology, 2002, 3, 1019-1025.	14.5	226
89	Visualizing priming of virus-specific CD8+ T cells by infected dendritic cells in vivo. Nature Immunology, 2002, 3, 265-271.	14.5	324
90	A novel influenza A virus mitochondrial protein that induces cell death. Nature Medicine, 2001, 7, 1306-1312.	30.7	901

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91	Recognition of haemagglutinins on virus-infected cells by NKp46 activates lysis by human NK cells. Nature, 2001, 409, 1055-1060.	27.8	844
92	Rapid degradation of a large fraction of newly synthesized proteins by proteasomes. Nature, 2000, 404, 770-774.	27.8	1,328
93	Dissecting the Multifactorial Causes of Immunodominance in Class Iâ€"Restricted T Cell Responses to Viruses. Immunity, 2000, 12, 83-93.	14.3	309
94	Intracellular Localization of Proteasomal Degradation of a Viral Antigen. Journal of Cell Biology, 1999, 146, 113-124.	5.2	205
95	Modification of Cysteine Residues In Vitro and In Vivo Affects the Immunogenicity and Antigenicity of Major Histocompatibility Complex Class Iâ€"restricted Viral Determinants. Journal of Experimental Medicine, 1999, 189, 1757-1764.	8.5	105
96	Localization, Quantitation, and In Situ Detection of Specific Peptideâ€"MHC Class I Complexes Using a Monoclonal Antibody. Immunity, 1997, 6, 715-726.	14.3	641
97	Hybrid antibody-mediated lysis of virus-infected cells. European Journal of Immunology, 1987, 17, 571-574.	2.9	25
98	The antigenic structure of the influenza virus A/PR/8/34 hemagglutinin (H1 subtype). Cell, 1982, 31, 417-427.	28.9	1,030
99	Antigenic structure of influenza virus haemagglutinin defined by hybridoma antibodies. Nature, 1981, 290, 713-717.	27.8	466