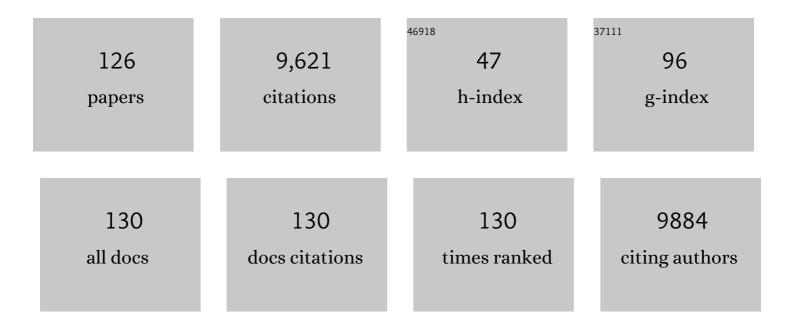
## Sebastian Joyce

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Reversible Defects in Natural Killer and Memory Cd8 T Cell Lineages in Interleukin 15–Deficient Mice. Journal of Experimental Medicine, 2000, 191, 771-780.	4.2	1,458
2	CD1d1 Mutant Mice Are Deficient in Natural T Cells That PromptlyProduce IL-4. Immunity, 1997, 6, 469-477.	6.6	575
3	Mammalian Target of Rapamycin Protein Complex 2 Regulates Differentiation of Th1 and Th2 Cell Subsets via Distinct Signaling Pathways. Immunity, 2010, 32, 743-753.	6.6	413
4	Glycolipid antigen induces long-term natural killer T cell anergy in mice. Journal of Clinical Investigation, 2005, 115, 2572-2583.	3.9	386
5	Natural Killer T Cell Activation Protects Mice Against Experimental Autoimmune Encephalomyelitis. Journal of Experimental Medicine, 2001, 194, 1801-1811.	4.2	375
6	Natural Ligand of Mouse CD1d1: Cellular Glycosylphosphatidylinositol. Science, 1998, 279, 1541-1544.	6.0	371
7	The response of natural killer T cells to glycolipid antigens is characterized by surface receptor down-modulation and expansion. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10913-10918.	3.3	306
8	A Staphylococcus aureus Regulatory System that Responds to Host Heme and Modulates Virulence. Cell Host and Microbe, 2007, 1, 109-119.	5.1	212
9	Cancer-associated immunodeficiency and dendritic cell abnormalities mediated by the prostaglandin EP2 receptor. Journal of Clinical Investigation, 2003, 111, 727-735.	3.9	204
10	CD1d-restricted Human Natural Killer T Cells Are Highly Susceptible to Human Immunodeficiency Virus 1 Infection. Journal of Experimental Medicine, 2002, 195, 869-879.	4.2	203
11	Natural killer T cells accelerate atherogenesis in mice. Blood, 2004, 104, 2051-2059.	0.6	179
12	Viral acute lower respiratory infections impair CD8+ T cells through PD-1. Journal of Clinical Investigation, 2012, 122, 2967-2982.	3.9	156
13	In vivo role of ER-associated peptidase activity in tailoring peptides for presentation by MHC class la and class Ib molecules. Journal of Experimental Medicine, 2006, 203, 647-659.	4.2	150
14	Defective presentation of the CD1d1-restricted natural Va14Ja18 NKT lymphocyte antigen caused by Â-D-glucosylceramide synthase deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1849-1854.	3.3	142
15	Cross-Neutralizing and Protective Human Antibody Specificities to Poxvirus Infections. Cell, 2016, 167, 684-694.e9.	13.5	141
16	IL-15 Regulates Homeostasis and Terminal Maturation of NKT Cells. Journal of Immunology, 2011, 187, 6335-6345.	0.4	139
17	Quantitative and Qualitative Differences in the In Vivo Response of NKT Cells to Distinct α- and β-Anomeric Glycolipids. Journal of Immunology, 2004, 173, 3693-3706.	0.4	136
18	Distinct Roles of Dendritic Cells and B Cells in Va14Ja18 Natural T Cell Activation In Vivo. Journal of Immunology, 2005, 174, 4696-4705.	0.4	136

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19	CD1d-expressing Dendritic Cells but Not Thymic Epithelial Cells Can Mediate Negative Selection of NKT Cells. Journal of Experimental Medicine, 2003, 197, 907-918.	4.2	122
20	Quantitative and Qualitative Differences in Proatherogenic NKT Cells in Apolipoprotein E–Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 2351-2357.	1.1	114
21	Lipid Protein Interactions: The Assembly of CD1d1 with Cellular Phospholipids Occurs in the Endoplasmic Reticulum. Journal of Immunology, 2002, 168, 723-733.	0.4	108
22	Commitment toward the natural T (iNKT) cell lineage occurs at the CD4+8+ stage of thymic ontogeny. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5114-5119.	3.3	106
23	NF-κB Controls Cell Fate Specification, Survival, and Molecular Differentiation of Immunoregulatory Natural T Lymphocytes. Journal of Immunology, 2004, 172, 2265-2273.	0.4	98
24	Co-delivery of Peptide Neoantigens and Stimulator of Interferon Genes Agonists Enhances Response to Cancer Vaccines. ACS Nano, 2020, 14, 9904-9916.	7.3	97
25	Immunoregulatory Role of CD1d in the Hydrocarbon Oil-Induced Model of Lupus Nephritis. Journal of Immunology, 2003, 171, 2142-2153.	0.4	93
26	Mucosal Immunization with a pH-Responsive Nanoparticle Vaccine Induces Protective CD8 <sup>+</sup> Lung-Resident Memory T Cells. ACS Nano, 2019, 13, 10939-10960.	7.3	89
27	Aging is associated with a rapid decline in frequency, alterations in subset composition, and enhanced Th2 response in CD1d-restricted NKT cells from human peripheral blood. Experimental Gerontology, 2007, 42, 719-732.	1.2	87
28	Quantitation of CD8 + T-Lymphocyte Responses to Multiple Epitopes from Simian Virus 40 (SV40) Large T Antigen in C57BL/6 Mice Immunized with SV40, SV40 T-Antigen-Transformed Cells, or Vaccinia Virus Recombinants Expressing Full-Length T Antigen or Epitope Minigenes. Journal of Virology, 2000, 74, 6922-6934.	1.5	86
29	Another View of T Cell Antigen Recognition: Cooperative Engagement of Glycolipid Antigens by Va14Ja18 Natural TCR. Journal of Immunology, 2003, 171, 4539-4551.	0.4	85
30	Vesicular stomatitis virus antigenic octapeptide N52-59 is anchored into the groove of the H-2Kb molecule by the side chains of three amino acids and the main-chain atoms of the amino terminus Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3135-3139.	3.3	84
31	Immunodominance of H60 Is Caused by an Abnormally High Precursor T Cell Pool Directed against Its Unique Minor Histocompatibility Antigen Peptide. Immunity, 2002, 17, 593-603.	6.6	83
32	The natural killer T?cell ligand ?-galactosylceramide prevents or promotes pristane-induced lupus in mice. European Journal of Immunology, 2005, 35, 1143-1154.	1.6	81
33	A Cell-Based Systems Biology Assessment of Human Blood to Monitor Immune Responses after Influenza Vaccination. PLoS ONE, 2015, 10, e0118528.	1.1	79
34	Quantitative Analysis of the Immune Response to Mouse Non-MHC Transplantation Antigens In Vivo: The H60 Histocompatibility Antigen Dominates Over All Others. Journal of Immunology, 2001, 166, 4370-4379.	0.4	78
35	Poly(propylacrylic acid)-peptide nanoplexes as a platform for enhancing the immunogenicity of neoantigen cancer vaccines. Biomaterials, 2018, 182, 82-91.	5.7	77
36	Increase in Hepatic NKT Cells in Leukocyte Cell-Derived Chemotaxin 2-Deficient Mice Contributes to Severe Concanavalin A-Induced Hepatitis. Journal of Immunology, 2004, 173, 579-585.	0.4	75

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37	Real-time T-cell profiling identifies H60 as a major minor histocompatibility antigen in murine graft-versus-host disease. Blood, 2002, 100, 4259-4264.	0.6	74
38	Lipid-protein interactions: Biosynthetic assembly of CD1 with lipids in the endoplasmic reticulum is evolutionarily conserved. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1022-1026.	3.3	73
39	Cutting Edge: The Ontogeny and Function of Va14Ja18 Natural T Lymphocytes Require Signal Processing by Protein Kinase Cî, and NF-κB. Journal of Immunology, 2004, 172, 4667-4671.	0.4	73
40	Innate Immunity: NKT Cells in the Spotlight. Current Biology, 2005, 15, R429-R431.	1.8	73
41	A Distinct Lung-Interstitium-Resident Memory CD8 + T Cell Subset Confers Enhanced Protection to Lower Respiratory Tract Infection. Cell Reports, 2016, 16, 1800-1809.	2.9	62
42	Discovering naturally processed antigenic determinants that confer protective T cell immunity. Journal of Clinical Investigation, 2013, 123, 1976-1987.	3.9	58
43	Granulocyte-Macrophage Colony-Stimulating Factor Regulates Effector Differentiation of Invariant Natural Killer T Cells during Thymic Ontogeny. Immunity, 2006, 25, 487-497.	6.6	56
44	Natural Killer T Cells: An Ecological Evolutionary Developmental Biology Perspective. Frontiers in Immunology, 2017, 8, 1858.	2.2	56
45	Rgs2 Mediates Pro-Angiogenic Function of Myeloid Derived Suppressor Cells in the Tumor Microenvironment via Upregulation of MCP-1. PLoS ONE, 2011, 6, e18534.	1.1	55
46	Follicular B Cell Trafficking within the Spleen Actively Restricts Humoral Immune Responses. Immunity, 2010, 33, 254-265.	6.6	54
47	Methods to study peptides associated with MHC class I molecules. Current Opinion in Immunology, 1994, 6, 24-31.	2.4	49
48	Distinct Roles for Signals Relayed through the Common Cytokine Receptor Î <sup>3</sup> Chain and Interleukin 7 Receptor α Chain in Natural T Cell Development. Journal of Experimental Medicine, 1997, 186, 331-336.	4.2	48
49	Cell-Based Systems Biology Analysis of Human AS03-Adjuvanted H5N1 Avian Influenza Vaccine Responses: A Phase I Randomized Controlled Trial. PLoS ONE, 2017, 12, e0167488.	1.1	48
50	Characterization of an incompletely assembled major histocompatibility class I molecule (H-2Kb) associated with unusually long peptides: implications for antigen processing and presentation Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4145-4149.	3.3	47
51	Identification and Simian Immunodeficiency Virus Infection of CD1d-Restricted Macaque Natural Killer T Cells. Journal of Virology, 2003, 77, 8153-8158.	1.5	47
52	IL-27R deficiency delays the onset of colitis and protects from helminth-induced pathology in a model of chronic IBD. International Immunology, 2008, 20, 739-752.	1.8	47
53	Antiapoptotic function of NF-κB in T lymphocytes is influenced by their differentiation status: roles of Fas, c-FLIP, and Bcl-xL. Cell Death and Differentiation, 2003, 10, 1032-1044.	5.0	45
54	Adaptability of the semi-invariant natural killer T-cell receptor towards structurally diverse CD1d-restricted ligands. EMBO Journal, 2009, 28, 3579-3590.	3.5	45

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55	Loss of CXCR4 in Myeloid Cells Enhances Antitumor Immunity and Reduces Melanoma Growth through NK Cell and FASL Mechanisms. Cancer Immunology Research, 2018, 6, 1186-1198.	1.6	45
56	Histone Deacetylase 3 Is Required for Efficient T Cell Development. Molecular and Cellular Biology, 2015, 35, 3854-3865.	1.1	44
57	Expansion of natural (NK1+) T cells that express alpha beta T cell receptors in transporters associated with antigen presentation-1 null and thymus leukemia antigen positive mice Journal of Experimental Medicine, 1996, 184, 1579-1584.	4.2	43
58	Cutting Edge: K63-Linked Polyubiquitination of NEMO Modulates TLR Signaling and Inflammation In Vivo. Journal of Immunology, 2008, 180, 7107-7111.	0.4	43
59	Genetic Dissection of Vα14Jα18 Natural T Cell Number and Function in Autoimmune-Prone Mice. Journal of Immunology, 2003, 170, 5429-5437.	0.4	40
60	NKT Cell Ligand Recognition Logic: Molecular Basis for a Synaptic Duet and Transmission of Inflammatory Effectors. Journal of Immunology, 2011, 187, 1081-1089.	0.4	40
61	CHARACTERIZATION OF KIDNEY CELL-SPECIFIC, NON-MAJOR HISTOCOMPATIBILITY COMPLEX ALLOANTIGEN USING ANTIBODIES ELUTED FROM REJECTED HUMAN RENAL ALLOGRAFTS. Transplantation, 1988, 46, 362-369.	0.5	39
62	Autoreactive Diabetogenic T-Cells in NOD Mice Can Efficiently Expand From a Greatly Reduced Precursor Pool. Diabetes, 2001, 50, 1992-2000.	0.3	39
63	CD1-restricted antigen presentation: an oily matter. Current Opinion in Immunology, 2003, 15, 95-104.	2.4	37
64	Identifying and Tracking Low-Frequency Virus-Specific TCR Clonotypes Using High-Throughput Sequencing. Cell Reports, 2018, 25, 2369-2378.e4.	2.9	37
65	Lipid metabolism, atherogenesis and CD1-restricted antigen presentation. Trends in Molecular Medicine, 2006, 12, 270-278.	3.5	36
66	Myeloid IKKβ Promotes Antitumor Immunity by Modulating CCL11 and the Innate Immune Response. Cancer Research, 2014, 74, 7274-7284.	0.4	35
67	Cutting Edge: The Minor Histocompatibility Antigen H60 Peptide Interacts with Both H-2Kb and NKG2D. Journal of Immunology, 2002, 168, 3131-3134.	0.4	28
68	Role of Type I Interferon Signaling in Human Metapneumovirus Pathogenesis and Control of Viral Replication. Journal of Virology, 2015, 89, 4405-4420.	1.5	28
69	Mechanisms and Consequences of Antigen Presentation by CD1. Trends in Immunology, 2016, 37, 738-754.	2.9	28
70	Traffic control of completely assembled MHC class I molecules beyond the endoplasmic reticulum. Journal of Molecular Biology, 1997, 266, 993-1001.	2.0	27
71	Immunoregulatory defects of Valpha24+Vbeta11+ NKT cells in development of Wegener's granulomatosis and relapsing polychondritis. Clinical and Experimental Immunology, 2004, 136, 591-600.	1.1	27
72	Lung CD8 <sup>+</sup> T Cell Impairment Occurs during Human Metapneumovirus Infection despite Virus-Like Particle Induction of Functional CD8 <sup>+</sup> T Cells. Journal of Virology, 2015, 89, 8713-8726.	1.5	26

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73	Acute Viral Respiratory Infection Rapidly Induces a CD8+ T Cell Exhaustion–like Phenotype. Journal of Immunology, 2015, 195, 4319-4330.	0.4	26
74	A Murine Locus on Chromosome 18 Controls NKT Cell Homeostasis and Th Cell Differentiation. Journal of Immunology, 2003, 171, 4613-4620.	0.4	25
75	Fatty Acid-Mimetic Micelles for Dual Delivery of Antigens and Imidazoquinoline Adjuvants. ACS Biomaterials Science and Engineering, 2017, 3, 179-194.	2.6	25
76	CD4+ Regulatory T Cells Exert Differential Functions during Early and Late Stages of the Immune Response to Respiratory Viruses. Journal of Immunology, 2018, 201, 1253-1266.	0.4	25
77	Alloreactivity, Antigen Recognition and T-Cell Selection: Three Diverse T-Cell Recognition Problems with a Common Solution. Immunological Reviews, 1996, 154, 59-103.	2.8	24
78	CHRONIC REJECTION OF MURINE CARDIAC ALLOGRAFTS DISCORDANT AT THE H13 MINOR HISTOCOMPATIBILITY ANTIGEN CORRELATES WITH THE GENERATION OF THE H13-SPECIFIC CD8+ CYTOTOXIC T CELLS1. Transplantation, 2003, 76, 84-91.	0.5	24
79	Point mutations in the β chain CDR3 can alter the T cell receptor recognition pattern on an MHC class Ipeptide complex over a broad interface area. Molecular Immunology, 1998, 35, 593-607.	1.0	23
80	The Role of Invariant Natural Killer T Cells in Lupus and Atherogenesis. Immunologic Research, 2006, 34, 49-66.	1.3	23
81	Neurons Preferentially Respond to Self-MHC Class I Allele Products Regardless of Peptide Presented. Journal of Immunology, 2010, 184, 816-823.	0.4	23
82	Duration of Alloantigen Presentation and Avidity of T Cell Antigen Recognition Correlate with Immunodominance of CTL Response to Minor Histocompatibility Antigens. Journal of Immunology, 2004, 172, 6666-6674.	0.4	21
83	The H4b Minor Histocompatibility Antigen Is Caused by a Combination of Genetically Determined and Posttranslational Modifications. Journal of Immunology, 2003, 170, 5133-5142.	0.4	19
84	CD1d-restricted glycolipid antigens: presentation principles, recognition logic and functional consequences. Expert Reviews in Molecular Medicine, 2008, 10, e20.	1.6	19
85	Viral evasion of antigen presentation: not just for peptides anymore. Nature Immunology, 2006, 7, 795-797.	7.0	18
86	Border Patrol Gone Awry: Lung NKT Cell Activation by Francisella tularensis Exacerbates Tularemia-Like Disease. PLoS Pathogens, 2015, 11, e1004975.	2.1	18
87	Discovering protective CD8 T cell epitopes—no single immunologic property predicts it!. Current Opinion in Immunology, 2015, 34, 43-51.	2.4	18
88	Minor histocompatibility antigens: presentation principles, recognition logic and the potential for a healing hand. Current Opinion in Organ Transplantation, 2010, 15, 512-525.	0.8	17
89	Nur77 controls tolerance induction, terminal differentiation, and effector functions in semi-invariant natural killer T cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17156-17165.	3.3	17
90	Viral infection causes a shift in the self peptide repertoire presented by human MHC class I molecules. Proteomics - Clinical Applications, 2015, 9, 1035-1052.	0.8	16

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91	ASO3-Adjuvanted H5N1 Avian Influenza Vaccine Modulates Early Innate Immune Signatures in Human Peripheral Blood Mononuclear Cells. Journal of Infectious Diseases, 2019, 219, 1786-1798.	1.9	16
92	Innate self recognition by an invariant, rearranged T-cell receptor and its immune consequences. Immunology, 2003, 109, 171-184.	2.0	15
93	A nanovaccine for enhancing cellular immunity via cytosolic co-delivery of antigen and polyIC RNA. Journal of Controlled Release, 2022, 345, 354-370.	4.8	14
94	Immune Recognition, Response, and Regulation: How T Lymphocytes Do It. Immunologic Research, 2001, 23, 215-228.	1.3	13
95	The assembly of functional beta2-microglobulin-free MHC class I molecules that interact with peptides and CD8+ T lymphocytes. International Immunology, 2002, 14, 775-782.	1.8	13
96	Mapping the orientation of an antigenic peptide bound in the antigen binding groove of H-2Kb using a monoclonal antibody. Biochemical and Biophysical Research Communications, 1992, 186, 1449-1454.	1.0	12
97	Natural T cells: Cranking up the immune system by prompt cytokine secretion. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6933-6935.	3.3	12
98	A POLYMORPHIC HUMAN KIDNEY-SPECIFIC NON-MHC ALLOANTIGEN. Transplantation, 1992, 53, 1119-1127.	0.5	11
99	Invariant Natural Killer T Cells Trigger Adaptive Lymphocytes to Churn Up Bile. Cell Host and Microbe, 2008, 3, 275-277.	5.1	10
100	Proteasomes, TAP, and Endoplasmic Reticulum-Associated Aminopeptidase Associated with Antigen Processing Control CD4+Th Cell Responses by Regulating Indirect Presentation of MHC Class II-Restricted Cytoplasmic Antigens. Journal of Immunology, 2011, 186, 6683-6692.	0.4	10
101	Immunoproteasomes edit tumors, which then escapes immune recognition. European Journal of Immunology, 2015, 45, 3241-3245.	1.6	10
102	Improved proliferation of antigen-specific cytolytic T lymphocytes using a multimodal nanovaccine. International Journal of Nanomedicine, 2016, Volume 11, 6103-6121.	3.3	10
103	Acute Clearance of Human Metapneumovirus Occurs Independently of Natural Killer Cells. Journal of Virology, 2014, 88, 10963-10969.	1.5	9
104	Heterotypic immunity against vaccinia virus in an HLA-B*07:02 transgenic mousepox infection model. Scientific Reports, 2020, 10, 13167.	1.6	9
105	Characterization and Functional Analysis of Mouse Invariant Natural T (iNKT) Cells. Current Protocols in Immunology, 2006, 73, Unit 14.13.	3.6	8
106	Sculpting MHC class II–restricted self and nonâ€self peptidome by the class I Agâ€processing machinery and its impact on Thâ€cell responses. European Journal of Immunology, 2013, 43, 1162-1172.	1.6	8
107	Characterization and Functional Analysis of Mouse Semiâ€invariant Natural T Cells. Current Protocols in Immunology, 2017, 117, 14.13.1-14.13.55.	3.6	8
108	NF-κB Protects NKT Cells from Tumor Necrosis Factor Receptor 1-induced Death. Scientific Reports, 2017, 7, 15594.	1.6	8

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109	Eliciting Epitope-Specific CD8+ T Cell Response by Immunization with Microbial Protein Antigens Formulated with α-Galactosylceramide: Theory, Practice, and Protocols. Methods in Molecular Biology, 2017, 1494, 321-352.	0.4	8
110	TRIM5 does double duty. Nature, 2011, 472, 305-306.	13.7	7
111	Novel HLA-A2-restricted human metapneumovirus epitopes reduce viral titers in mice and are recognized by human T cells. Vaccine, 2016, 34, 2663-2670.	1.7	7
112	Proteomics show antigen presentation processes in human immune cells after ASO3â€H5N1 vaccination. Proteomics, 2017, 17, 1600453.	1.3	6
113	Know thy immune self and nonâ€self: Proteomics informs on the expanse of self and nonâ€self, and how and where they arise. Proteomics, 2021, , 2000143.	1.3	6
114	Natural Killer T Lymphocytes Integrate Innate Sensory Information and Relay Context to Effector Immune Responses. Critical Reviews in Immunology, 2021, 41, 55-88.	1.0	6
115	The Hunt for iNKT Cell Antigens: α-Galactosidase-Deficient Mice to the Rescue?. Immunity, 2010, 33, 143-145.	6.6	4
116	Lung NKT cell commotion takes your breath away. Nature Medicine, 2008, 14, 609-610.	15.2	2
117	Natural killer T cell–a cat o' nine lives!. EMBO Journal, 2010, 29, 1475-1476.	3.5	2
118	Survivre et vivre: When iNKT cells met a Hippo. Journal of Experimental Medicine, 2020, 217, .	4.2	2
119	Novel HLA-B7-restricted human metapneumovirus epitopes enhance viral clearance in mice and are recognized by human CD8+ T cells. Scientific Reports, 2021, 11, 20769.	1.6	2
120	What one lipid giveth, another taketh away. Nature Immunology, 2019, 20, 1559-1561.	7.0	1
121	NKT Cells Join the Two Step for Inflammasome-Independent IL-1Î <sup>2</sup> Release. Cell Reports, 2020, 31, 107481.	2.9	1
122	Dx: leukemia; Rx: CD8+ NKT cell transplantation. Blood, 2001, 97, 2921-2922.	0.6	0
123	Another cause for incompatibility: gestational priming of women by tissue antigens of men. Blood, 2004, 103, 1570-1571.	0.6	0
124	Front Cover: Proteomics show antigen presentation processes in human immune cells after ASO3â€H5N1 vaccination. Proteomics, 2017, 17, 1770101.	1.3	0
125	In vivo role of ER-associated peptidase activity in tailoring peptides for presentation by MHC class Ia and class Ib molecules. Journal of Cell Biology, 2006, 172, i14-i14.	2.3	0
126	Nano-Particulate Platforms for Vaccine Delivery to Enhance Antigen-Specific CD8+ T-Cell Response. Methods in Molecular Biology, 2022, 2412, 367-398.	0.4	0