

Anne Kelso

List of Publications by Year in descending order

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120
papers

9,257
citations

53660

45
h-index

40881

93
g-index

122
all docs

122
docs citations

122
times ranked

11312
citing authors

#	ARTICLE	IF	CITATIONS
1	A Critical Role for Dnmt1 and DNA Methylation in T Cell Development, Function, and Survival. <i>Immunity</i> , 2001, 15, 763-774.	6.6	1,124
2	The Global Circulation of Seasonal Influenza A (H3N2) Viruses. <i>Science</i> , 2008, 320, 340-346.	6.0	628
3	Th1 and Th2 subsets: paradigms lost?. <i>Trends in Immunology</i> , 1995, 16, 374-379.	7.5	473
4	Molecular cloning of cDNA encoding a murine haematopoietic growth regulator, granulocyte macrophage colony stimulating factor. <i>Nature</i> , 1984, 309, 763-767.	13.7	453
5	Global circulation patterns of seasonal influenza viruses vary with antigenic drift. <i>Nature</i> , 2015, 523, 217-220.	13.7	445
6	Transgenic mice expressing a hemopoietic growth factor gene (GM-CSF) develop accumulations of macrophages, blindness, and a fatal syndrome of tissue damage. <i>Cell</i> , 1987, 51, 675-686.	13.5	377
7	Emergence and spread of oseltamivir-resistant A(H1N1) influenza viruses in Oceania, South East Asia and South Africa. <i>Antiviral Research</i> , 2009, 83, 90-93.	1.9	248
8	Zanamivir-Resistant Influenza Viruses with a Novel Neuraminidase Mutation. <i>Journal of Virology</i> , 2009, 83, 10366-10373.	1.5	224
9	Influenza vaccine strain selection and recent studies on the global migration of seasonal influenza viruses. <i>Vaccine</i> , 2008, 26, D31-D34.	1.7	208
10	Clonal Heterogeneity in the Functional Requirement for Lyt-2/3 Molecules on Cytolytic T Lymphocytes (CTL): Possible Implications for the Affinity of CTL Antigen Receptors. <i>Immunological Reviews</i> , 1982, 68, 89-116.	2.8	199
11	Distinct Epigenetic Signatures Delineate Transcriptional Programs during Virus-Specific CD8+ T Cell Differentiation. <i>Immunity</i> , 2014, 41, 853-865.	6.6	189
12	Cross-reactive CD8 T-cell immunity between the pandemic H1N1-2009 and H1N1-1918 influenza A viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12599-12604.	3.3	163
13	Distinct Methylation of the Interferon β (IFN- β) and Interleukin 3 (IL-3) Genes in Newly Activated Primary CD8+ T Lymphocytes: Regional IFN- β Promoter Demethylation and mRNA Expression Are Heritable in CD44 ^{high} CD8+ T Cells. <i>Journal of Experimental Medicine</i> , 1998, 188, 103-117.	4.2	160
14	Single-cell perforin and granzyme expression reveals the anatomical localization of effector CD8+ T cells in influenza virus-infected mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2657-2662.	3.3	150
15	Cytokines: Principles and prospects. <i>Immunology and Cell Biology</i> , 1998, 76, 300-317.	1.0	148
16	Epidemiological, antigenic and genetic characteristics of seasonal influenza A(H1N1), A(H3N2) and B influenza viruses: Basis for the WHO recommendation on the composition of influenza vaccines for use in the 2009-2010 Northern Hemisphere season. <i>Vaccine</i> , 2010, 28, 1156-1167.	1.7	145
17	2009 Influenza A(H1N1) Seroconversion Rates and Risk Factors Among Distinct Adult Cohorts in Singapore. <i>JAMA - Journal of the American Medical Association</i> , 2010, 303, 1383.	3.8	143
18	The Mechanism and Significance of Deletion of Parasite-specific CD4+T Cells in Malaria Infection. <i>Journal of Experimental Medicine</i> , 2002, 195, 881-892.	4.2	139

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19	Heterogeneity in Lymphokine Profiles of CD4+and CD8+ T Cells and Clones Activated in vivo and in vitro. <i>Immunological Reviews</i> , 1991, 123, 85-114.	2.8	128
20	Community Transmission of Oseltamivir-Resistant A(H1N1)pdm09 Influenza. <i>New England Journal of Medicine</i> , 2011, 365, 2541-2542.	13.9	119
21	IL-2 Regulates Perforin and Granzyme Gene Expression in CD8+ T Cells Independently of Its Effects on Survival and Proliferation. <i>Journal of Immunology</i> , 2005, 175, 8003-8010.	0.4	114
22	Estimating the Fitness Advantage Conferred by Permissive Neuraminidase Mutations in Recent Oseltamivir-Resistant A(H1N1)pdm09 Influenza Viruses. <i>PLoS Pathogens</i> , 2014, 10, e1004065.	2.1	114
23	Performance of influenza rapid point-of-care tests in the detection of swine lineage A(H1N1) influenza viruses. <i>Influenza and Other Respiratory Viruses</i> , 2009, 3, 171-176.	1.5	111
24	Multiple Infections with Seasonal Influenza A Virus Induce Cross-Protective Immunity against A(H1N1) Pandemic Influenza Virus in a Ferret Model. <i>Journal of Infectious Diseases</i> , 2010, 202, 1011-1020.	1.9	108
25	WHO recommendations for the viruses used in the 2013-2014 Northern Hemisphere influenza vaccine: Epidemiology, antigenic and genetic characteristics of influenza A(H1N1)pdm09, A(H3N2) and B influenza viruses collected from October 2012 to January 2013. <i>Vaccine</i> , 2014, 32, 4713-4725.	1.7	102
26	A case report: Immune responses and clinical course of the first human use of granulocyte/macrophage-colony-stimulating-factor-transduced autologous melanoma cells for immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 1997, 44, 10-20.	2.0	101
27	The genes for perforin, granzymes A and C and IFN- γ are differentially expressed in single CD8+ T cells during primary activation. <i>International Immunology</i> , 2002, 14, 605-613.	1.8	97
28	Transmission of pandemic A/H1N1 2009 influenza on passenger aircraft: retrospective cohort study. <i>BMJ: British Medical Journal</i> , 2010, 340, c2424-c2424.	2.4	97
29	Evidence for the stochastic acquisition of cytokine profile by CD4+ T cells activated in a T helper type 2-like response in vivo. <i>European Journal of Immunology</i> , 1995, 25, 1168-1175.	1.6	95
30	Prospects for an influenza vaccine that induces cross-protective cytotoxic T lymphocytes. <i>Immunology and Cell Biology</i> , 2009, 87, 300-308.	1.0	91
31	Interval Between Infections and Viral Hierarchy Are Determinants of Viral Interference Following Influenza Virus Infection in a Ferret Model. <i>Journal of Infectious Diseases</i> , 2015, 212, 1701-1710.	1.9	88
32	Detection of Evolutionarily Distinct Avian Influenza A Viruses in Antarctica. <i>MBio</i> , 2014, 5, e01098-14.	1.8	86
33	Toward a broadly protective influenza vaccine. <i>Journal of Clinical Investigation</i> , 2008, 118, 3273-5.	3.9	84
34	Progressive Differentiation and Commitment of CD8+ T Cells to a Poorly Cytolytic CD8low Phenotype in the Presence of IL-4. <i>Journal of Immunology</i> , 2005, 174, 2021-2029.	0.4	76
35	A Clonal Culture System Demonstrates That IL-4 Induces a Subpopulation of Noncytolytic T Cells with Low CD8, Perforin, and Granzyme Expression. <i>Journal of Immunology</i> , 2002, 168, 1672-1681.	0.4	70
36	Co-engagement of CD3 with LFA-1 or ICAM-1 adhesion molecules enhances the frequency of activation of single murine CD4+ and CD8+ T cells and induces synthesis of IL-3 and IFN- γ but not IL-4 or IL-6. <i>International Immunology</i> , 1992, 4, 475-485.	1.8	68

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37	Single-cell analysis by RT-PCR reveals differential expression of multiple type 1 and 2 cytokine genes among cells within polarized CD4+ T cell populations. <i>International Immunology</i> , 1999, 11, 617-621.	1.8	68
38	Antigenic Drift of the Pandemic 2009 A(H1N1) Influenza Virus in a Ferret Model. <i>PLoS Pathogens</i> , 2013, 9, e1003354.	2.1	62
39	Selection of antigenically advanced variants of seasonal influenza viruses. <i>Nature Microbiology</i> , 2016, 1, 16058.	5.9	61
40	WHO recommendations for the viruses to be used in the 2012 Southern Hemisphere Influenza Vaccine: Epidemiology, antigenic and genetic characteristics of influenza A(H1N1)pdm09, A(H3N2) and B influenza viruses collected from February to September 2011. <i>Vaccine</i> , 2012, 30, 6461-6471.	1.7	60
41	Clonal heterogeneity in colony stimulating factor production by murine T lymphocytes. <i>Journal of Cellular Physiology</i> , 1985, 123, 101-110.	2.0	56
42	Functionally distinct T cells in three compartments of the respiratory tract after influenza virus infection. <i>European Journal of Immunology</i> , 1996, 26, 2189-2197.	1.6	55
43	Acute emergence and reversion of influenza A virus quasispecies within CD8+ T cell antigenic peptides. <i>Nature Communications</i> , 2013, 4, 2663.	5.8	55
44	Differential activation of T cell cytokine production by the extracellular signal-regulated kinase (ERK) signaling pathway. <i>European Journal of Immunology</i> , 1996, 26, 2279-2285.	1.6	53
45	Seasonal influenza vaccine policies, recommendations and use in the World Health Organization's Western Pacific Region. <i>Western Pacific Surveillance and Response Journal: WPSAR</i> , 2013, 4, 51-59.	0.3	52
46	Innate Immunity and the Inter-exposure Interval Determine the Dynamics of Secondary Influenza Virus Infection and Explain Observed Viral Hierarchies. <i>PLoS Computational Biology</i> , 2015, 11, e1004334.	1.5	50
47	Helper T cell subsets: Heterogeneity, functions and development. <i>Veterinary Immunology and Immunopathology</i> , 1998, 63, 37-44.	0.5	47
48	Effectiveness of Public Health Measures in Mitigating Pandemic Influenza Spread: A Prospective Sero-epidemiological Cohort Study. <i>Journal of Infectious Diseases</i> , 2010, 202, 1319-1326.	1.9	42
49	The fluorolysis assay, a highly sensitive method for measuring the cytolytic activity of T cells at very low numbers. <i>Journal of Immunological Methods</i> , 2002, 267, 99-108.	0.6	41
50	T Lymphocyte-Derived Colony-Stimulating Factors. <i>Advances in Immunology</i> , 1990, 48, 69-105.	1.1	38
51	Peramivir and laninamivir susceptibility of circulating influenza A and B viruses. <i>Influenza and Other Respiratory Viruses</i> , 2014, 8, 135-139.	1.5	38
52	Comparison of thymic and peripheral T cell Ly-2/3 antigens. <i>European Journal of Immunology</i> , 1984, 14, 906-910.	1.6	37
53	Epigenetic plasticity of Cd8a locus during CD8+ T-cell development and effector differentiation and reprogramming. <i>Nature Communications</i> , 2014, 5, 3547.	5.8	37
54	Regulation of T cell cytokine production by dendritic cells. <i>Immunology and Cell Biology</i> , 2000, 78, 214-223.	1.0	36

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55	Tumor-Derived Interleukin-4 Reduces Tumor Clearance and Deviates the Cytokine and Granzyme Profile of Tumor-Induced CD8 ⁺ T Cells. <i>Cancer Research</i> , 2006, 66, 571-580.	0.4	36
56	Interferon- β and interleukin-4 reciprocally regulate CD8 expression in CD8 ⁺ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17475-17480.	3.3	35
57	IFN- β Inhibits IL-4-Induced Type 2 Cytokine Expression by CD8 T Cells In Vivo and Modulates the Anti-Tumor Response. <i>Journal of Immunology</i> , 2010, 185, 998-1004.	0.4	35
58	Influenza antiviral resistance in the Asia-Pacific region during 2011. <i>Antiviral Research</i> , 2013, 97, 206-210.	1.9	35
59	Profiling the CD8 low phenotype, an alternative career choice for CD8 T cells during primary differentiation. <i>Immunology and Cell Biology</i> , 2004, 82, 75-83.	1.0	34
60	Inactivated Influenza Vaccine That Provides Rapid, Innate-Immune-System-Mediated Protection and Subsequent Long-Term Adaptive Immunity. <i>MBio</i> , 2015, 6, e01024-15.	1.8	34
61	The Activated Type 1 Polarized Cd8 ⁺ T Cell Population Isolated from an Effector Site Contains Cells with Flexible Cytokine Profiles. <i>Journal of Experimental Medicine</i> , 1999, 190, 1081-1092.	4.2	33
62	The Ongoing Battle Against Influenza: Drug-resistant influenza viruses: why fitness matters. <i>Nature Medicine</i> , 2012, 18, 1470-1471.	15.2	33
63	Epidemiological and Virological Characteristics of Influenza Viruses Circulating in Cambodia from 2009 to 2011. <i>PLoS ONE</i> , 2014, 9, e110713.	1.1	33
64	Characterization of the Localized Immune Response in the Respiratory Tract of Ferrets following Infection with Influenza A and B Viruses. <i>Journal of Virology</i> , 2016, 90, 2838-2848.	1.5	32
65	A comparison of pyrosequencing and neuraminidase inhibition assays for the detection of oseltamivir-resistant pandemic influenza A(H1N1) 2009 viruses. <i>Antiviral Research</i> , 2011, 90, 87-91.	1.9	31
66	Evaluation of oseltamivir prophylaxis regimens for reducing influenza virus infection, transmission and disease severity in a ferret model of household contact. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2458-2469.	1.3	31
67	TaqMan real time RT-PCR assays for detecting ferret innate and adaptive immune responses. <i>Journal of Virological Methods</i> , 2014, 205, 38-52.	1.0	31
68	Identification of the 70kD Heat Shock Cognate Protein (Hsc70) and β -Actinin-1 as Novel Phosphotyrosine-Containing Proteins in T Lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 1996, 224, 666-674.	1.0	30
69	Differential Effects of Pandemic (H1N1) 2009 on Remote and Indigenous Groups, Northern Territory, Australia, 2009. <i>Emerging Infectious Diseases</i> , 2011, 17, 1615-1623.	2.0	29
70	Pandemic (H1N1) 2009 Risk for Frontline Health Care Workers. <i>Emerging Infectious Diseases</i> , 2011, 17, 1000-1006.	2.0	26
71	Progressive emergence of an oseltamivir-resistant A(H3N2) virus over two courses of oseltamivir treatment in an immunocompromised paediatric patient. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 904-908.	1.5	23
72	Rapid establishment of a stable IL-4/IFN- β production profile in the antigen-specific CD4 ⁺ T cell response to protein immunization. <i>International Immunology</i> , 1994, 6, 1515-1523.	1.8	22

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73	Branched and linear lipopeptide vaccines have different effects on primary CD4+ and CD8+ T-cell activation but induce similar tumor-protective memory CD8+ T-cell responses. <i>Vaccine</i> , 2008, 26, 2570-2579.	1.7	20
74	Seroconversion and asymptomatic infections during oseltamivir prophylaxis against Influenza A H1N1 2009. <i>BMC Infectious Diseases</i> , 2010, 10, 164.	1.3	20
75	Stimulator requirements for primed alloreactive T cells: Macrophages and dendritic cells activate T cells across all genetic disparities. <i>Cellular Immunology</i> , 1985, 91, 60-74.	1.4	19
76	Quantitative analysis of lymphokine expression <i>in vivo</i> and <i>in vitro</i> . <i>Immunology and Cell Biology</i> , 1992, 70, 51-57.	1.0	19
77	PERSISTENCE OF DONOR-REACTIVE CD4+ T CELLS IN LIVER AND SPLEEN OF RATS TOLERANT TO A LIVER ALLOGRAFT1. <i>Transplantation</i> , 1998, 66, 132-135.	0.5	19
78	Resistance of BALB/c mice to <i>Leishmania major</i> infection is associated with a decrease in the precursor frequency of antigen-specific CD4+ cells secreting interleukin-4. <i>International Immunology</i> , 1993, 5, 761-767.	1.8	18
79	Exposure of Human CD8+ T Cells to Type-2 Cytokines Impairs Division and Differentiation and Induces Limited Polarization. <i>Frontiers in Immunology</i> , 2018, 9, 1141.	2.2	18
80	INDEPENDENT REGULATION OF CYTOKINE GENES IN T CELLS. <i>Transplantation</i> , 1998, 65, 1-5.	0.5	18
81	Differential Inhibition by Cyclosporin A Reveals two Pathways for Activation of Lymphokine Synthesis in T Cells. <i>Growth Factors</i> , 1989, 1, 165-177.	0.5	16
82	Lymphocyte apoptosis and cell replacement in human liver allografts. <i>Transplantation</i> , 2002, 73, 1828-1834.	0.5	16
83	GM-CSF Expression is Preferential to Multi-CSF (IL-3) Expression in Murine T Lymphocyte Clones. <i>Growth Factors</i> , 1989, 1, 287-298.	0.5	15
84	The enigma of cytokine redundancy. <i>Immunology and Cell Biology</i> , 1994, 72, 97-101.	1.0	15
85	Factors influencing infection by pandemic influenza A(H1N1)pdm09 over three epidemic waves in Singapore. <i>Influenza and Other Respiratory Viruses</i> , 2013, 7, 1380-1389.	1.5	15
86	Educating T cells: early events in the differentiation and commitment of cytokine-producing CD4+ and CD8+ T cells. <i>Seminars in Immunopathology</i> , 1999, 21, 231-248.	4.0	14
87	Cytokines and Their Receptors: An Overview. <i>Therapeutic Drug Monitoring</i> , 2000, 22, 40-43.	1.0	14
88	The use of pyrosequencer-generated sequence-signatures to identify the influenza B-lineage and the subclade of the B/Yamataga-lineage viruses from currently circulating human influenza B viruses. <i>Journal of Clinical Virology</i> , 2013, 58, 94-99.	1.6	13
89	Seroprevalence of antibody to influenza A(H1N1)pdm09 attributed to vaccination or infection, before and after the second (2010) pandemic wave in <i>Australia</i> . <i>Influenza and Other Respiratory Viruses</i> , 2014, 8, 194-200.	1.5	13
90	Lymphokine Production by Cytolytic and Noncytolytic Alloreactive T Cell Clones. , 1982, , 341-354.		12

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91	Influenza antivirals and resistance: the next 10 years?. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 1221-1223.	2.0	11
92	Dynamic regulation of permissive histone modifications and GATA3 binding underpin acquisition of granzyme A expression by virus-specific CD8 ⁺ T cells. <i>European Journal of Immunology</i> , 2016, 46, 307-318.	1.6	11
93	Murine cytolytic CD8 ⁺ T cell clones generated in a high cloning efficiency, accessory cell-free culture system express a restricted lymphokine profile. <i>Cellular Immunology</i> , 1992, 141, 59-70.	1.4	10
94	Lymphokine synthesis in vivo in an acute murine graft-versus-host reaction: mRNA and protein measurements in vivo and in vitro reveal marked differences between actual and potential lymphokine production levels. <i>International Immunology</i> , 1993, 5, 399-407.	1.8	10
95	Nature versus nurture in T cell cytokine production. <i>Journal of Leukocyte Biology</i> , 1999, 66, 869-875.	1.5	10
96	Absence of cross-reactive antibodies to influenza A (H1N1) 2009 before and after vaccination with 2009 Southern Hemisphere seasonal trivalent influenza vaccine in children aged 6 months-9 years: a prospective study. <i>Influenza and Other Respiratory Viruses</i> , 2011, 5, 7-11.	1.5	10
97	Q&A: What have we found out about the influenza A (H1N1) 2009 pandemic virus?. <i>Journal of Biology</i> , 2009, 8, 69.	2.7	9
98	High-frequency activation of single CD4 ⁺ and CD8 ⁺ T cells to proliferate and secrete cytokines using anti-receptor antibodies and IL-21. <i>International Immunology</i> , 1991, 3, 255-264.	1.8	8
99	CD4 ⁺ T cells limit the damage in influenza. <i>Nature Medicine</i> , 2012, 18, 200-202.	15.2	7
100	Educating T cells: early events in the differentiation and commitment of cytokine-producing CD4 ⁺ and CD8 ⁺ T cells. <i>Seminars in Immunopathology</i> , 1999, 21, 231-248.	4.0	7
101	CD4 Ligation Promotes the IL-4-Independent Development of IL-4-Producing Clones from Naive CD4 ⁺ T Cells. <i>Journal of Immunology</i> , 2001, 167, 5610-5619.	0.4	6
102	Memory cytolytic T-lymphocytes: induction, regulation and implications for vaccine design. <i>Expert Review of Vaccines</i> , 2005, 4, 711-723.	2.0	5
103	Interleukin-4-induced loss of CD8 expression and cytolytic function in effector CD8 ⁺ T cells persists long term in vivo. <i>Immunology</i> , 2013, 139, 187-196.	2.0	5
104	Survival of the Myeloid Progenitor Cell Line FDC-P1 is Prolonged by Interferon- γ or Interleukin-4. <i>Growth Factors</i> , 1992, 6, 233-242.	0.5	4
105	Cytolytic T lymphocyte responses to metabolically inactivated stimulator cells. <i>Cellular Immunology</i> , 1982, 67, 355-369.	1.4	3
106	Cytolytic T lymphocyte responses to metabolically inactivated stimulator cells. <i>Cellular Immunology</i> , 1982, 67, 370-383.	1.4	3
107	The role of CD4 in antigen-independent activation of isolated single T lymphocytes. <i>Cellular Immunology</i> , 1988, 116, 99-111.	1.4	3
108	Survival of the Myeloid Progenitor Cell Line FDC-P1 is Prolonged by Interferon- γ or Interleukin-4. <i>Growth Factors</i> , 1992, 6, 233-242.	0.5	3

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109	Role of CD8+T-cell immunity in influenza infection: potential use in future vaccine development. Expert Review of Respiratory Medicine, 2009, 3, 523-537.	1.0	3
110	Q&A: H1N1 pandemic influenza - what's new?. BMC Biology, 2010, 8, 130.	1.7	3
111	Limited novel influenza A (H1N1) 09 infection in travelling high-school tour group. Influenza and Other Respiratory Viruses, 2011, 5, 47-51.	1.5	3
112	High conservation level of CD8 ⁺ T cell immunogenic regions within an unusual H1N2 human influenza variant. Journal of Medical Virology, 2016, 88, 1725-1732.	2.5	3
113	Sustained linked stimulation via CD3 and CD4 is required for the IL-4-independent development of IL-4 synthesizing CD4 + T cells. Immunology and Cell Biology, 2003, 81, 283-288.	1.0	2
114	Quantitative assessment of the functional plasticity of memory CD8 ⁺ T cells. European Journal of Immunology, 2016, 46, 863-873.	1.6	2
115	Limited Phenotypic and Functional Plasticity of Influenza Virus-Specific Memory CD8+T Cells during Activation in an Alternative Cytokine Environment. Journal of Immunology, 2018, 201, 3282-3293.	0.4	2
116	Review of the Australian Code for the Responsible Conduct of Research (2007). Medical Journal of Australia, 2016, 205, 49-49.	0.8	1
117	Coordinate and Differential Regulation of GM-CSF and IL-3 Synthesis in Murine T Lymphocytes. Advances in Molecular and Cell Biology, 1992, , 99-132.	0.1	0
118	Shaping the T cell response to influenza virus. International Congress Series, 2001, 1219, 301-309.	0.2	0
119	Lipopeptide vaccines: a strategy for improving protective immunity against influenza. International Congress Series, 2001, 1219, 993-998.	0.2	0
120	Targeted health research funding – submit your ideas. Medical Journal of Australia, 2016, 205, 382-382.	0.8	0