

# Suryaprakash Sambhara

## List of Publications by Year in descending order

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120  
papers

7,148  
citations

66234

42  
h-index

62479

80  
g-index

124  
all docs

124  
docs citations

124  
times ranked

9727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistence of Memory CD8 T Cells in MHC Class I-Deficient Mice. <i>Science</i> , 1999, 286, 1377-1381.	6.0	659
2	Cutting Edge: Impaired Toll-Like Receptor Expression and Function in Aging. <i>Journal of Immunology</i> , 2002, 169, 4697-4701.	0.4	549
3	Innate immunity in aging: impact on macrophage function. <i>Aging Cell</i> , 2004, 3, 161-167.	3.0	380
4	Role of Host Cytokine Responses in the Pathogenesis of Avian H5N1 Influenza Viruses in Mice. <i>Journal of Virology</i> , 2007, 81, 2736-2744.	1.5	369
5	NLRX1 Protein Attenuates Inflammatory Responses to Infection by Interfering with the RIG-I-MAVS and TRAF6-NF- $\kappa$ B Signaling Pathways. <i>Immunity</i> , 2011, 34, 854-865.	6.6	323
6	Critical Role of an Antiviral Stress Granule Containing RIG-I and PKR in Viral Detection and Innate Immunity. <i>PLoS ONE</i> , 2012, 7, e43031.	1.1	294
7	NS1 Protein of Influenza A Virus Inhibits the Function of Intracytoplasmic Pathogen Sensor, RIG-I. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 36, 263-269.	1.4	258
8	Prevalent, protective, and convergent IgG recognition of SARS-CoV-2 non-RBD spike epitopes. <i>Science</i> , 2021, 372, 1108-1112.	6.0	210
9	Development of adenoviral-vector-based pandemic influenza vaccine against antigenically distinct human H5N1 strains in mice. <i>Lancet, The</i> , 2006, 367, 475-481.	6.3	179
10	Challenges for vaccination in the elderly. <i>Immunity and Ageing</i> , 2007, 4, 9.	1.8	173
11	DNA Vaccine Expressing Conserved Influenza Virus Proteins Protective Against H5N1 Challenge Infection in Mice. <i>Emerging Infectious Diseases</i> , 2002, 8, 796-801.	2.0	153
12	Heterosubtypic Immunity against Human Influenza A Viruses, Including Recently Emerged Avian H5 and H9 Viruses, Induced by FLU $\alpha$ ISCOM Vaccine in Mice Requires both Cytotoxic T-Lymphocyte and Macrophage Function. <i>Cellular Immunology</i> , 2001, 211, 143-153.	1.4	121
13	Cytokine and Chemokine Profiles in Lung Tissues from Fatal Cases of 2009 Pandemic Influenza A (H1N1). <i>American Journal of Pathology</i> , 2013, 183, 1258-1268.	1.9	119
14	Protection against Respiratory Syncytial Virus Infection by DNA Immunization. <i>Journal of Experimental Medicine</i> , 1998, 188, 681-688.	4.2	114
15	Influenza virus exploits tunneling nanotubes for cell-to-cell spread. <i>Scientific Reports</i> , 2017, 7, 40360.	1.6	110
16	Protein Energy Malnutrition Decreases Immunity and Increases Susceptibility to Influenza Infection in Mice. <i>Journal of Infectious Diseases</i> , 2013, 207, 501-510.	1.9	103
17	Gold nanorod delivery of an ssRNA immune activator inhibits pandemic H1N1 influenza viral replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10172-10177.	3.3	98
18	Early Control of H5N1 Influenza Virus Replication by the Type I Interferon Response in Mice. <i>Journal of Virology</i> , 2009, 83, 5825-5834.	1.5	93

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19	Cytotoxic T Lymphocyte Reactivity to gp100, MelanA/MART-1, and Tyrosinase, in HLA-A2-Positive Vitiligo Patients. <i>Journal of Investigative Dermatology</i> , 2003, 121, 550-556.	0.3	90
20	Immunosenescence and Influenza Vaccine Efficacy. <i>Current Topics in Microbiology and Immunology</i> , 2009, 333, 413-429.	0.7	83
21	Impaired antigen-induced CD8+ T cell clonal expansion in aging is due to defects in antigen presenting cell function. <i>Cellular Immunology</i> , 2004, 229, 86-92.	1.4	81
22	Strategies to alleviate original antigenic sin responses to influenza viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13751-13756.	3.3	81
23	Influenza A virus nucleoprotein induces apoptosis in human airway epithelial cells: implications of a novel interaction between nucleoprotein and host protein Clusterin. <i>Cell Death and Disease</i> , 2013, 4, e562-e562.	2.7	78
24	Immunity to Influenza: The Challenges of Protecting an Aging Population. <i>Immunologic Research</i> , 2004, 29, 113-124.	1.3	77
25	SARS-CoV-2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination. <i>Advanced Materials</i> , 2020, 32, e2005637.	11.1	74
26	Activation of the RIG-I Pathway during Influenza Vaccination Enhances the Germinal Center Reaction, Promotes T Follicular Helper Cell Induction, and Provides a Dose-Sparing Effect and Protective Immunity. <i>Journal of Virology</i> , 2014, 88, 13990-14001.	1.5	70
27	Comparative Immunogenicity of Several Enhanced Influenza Vaccine Options for Older Adults: A Randomized, Controlled Trial. <i>Clinical Infectious Diseases</i> , 2020, 71, 1704-1714.	2.9	67
28	Increased MDSC Accumulation and Th2 Biased Response to Influenza A Virus Infection in the Absence of TLR7 in Mice. <i>PLoS ONE</i> , 2011, 6, e25242.	1.1	65
29	Impact of Preexisting Adenovirus Vector Immunity on Immunogenicity and Protection Conferred with an Adenovirus-Based H5N1 Influenza Vaccine. <i>PLoS ONE</i> , 2012, 7, e33428.	1.1	65
30	Influenza A Virus Nucleoprotein Exploits Hsp40 to Inhibit PKR Activation. <i>PLoS ONE</i> , 2011, 6, e20215.	1.1	64
31	Cytoplasmic nucleic acid sensors in antiviral immunity. <i>Trends in Molecular Medicine</i> , 2009, 15, 359-368.	3.5	59
32	A Broadly Protective Vaccine against Globally Dispersed Clade 1 and Clade 2 H5N1 Influenza Viruses. <i>Journal of Infectious Diseases</i> , 2008, 197, 1185-1188.	1.9	58
33	TLR7 Recognition Is Dispensable for Influenza Virus A Infection but Important for the Induction of Hemagglutinin-Specific Antibodies in Response to the 2009 Pandemic Split Vaccine in Mice. <i>Journal of Virology</i> , 2012, 86, 10988-10998.	1.5	58
34	Immunosenescence and Challenges of Vaccination against Influenza in the Aging Population. , 2012, 3, 68-90.		58
35	Monkeypox Virus Host Factor Screen Using Haploid Cells Identifies Essential Role of GARP Complex in Extracellular Virus Formation. <i>Journal of Virology</i> , 2017, 91, .	1.5	54
36	Egg-independent vaccine strategies for highly pathogenic H5N1 influenza viruses. <i>Hum Vaccin</i> , 2010, 6, 178-188.	2.4	52

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37	Rapid Differentiation of Monocytes into Type I IFN-Producing Myeloid Dendritic Cells as an Antiviral Strategy against Influenza Virus Infection. <i>Journal of Immunology</i> , 2012, 189, 2257-2265.	0.4	52
38	NLRC5 interacts with RIG-I to induce a robust antiviral response against influenza virus infection. <i>European Journal of Immunology</i> , 2015, 45, 758-772.	1.6	49
39	Human Heat shock protein 40 (Hsp40/DnaJB1) promotes influenza A virus replication by assisting nuclear import of viral ribonucleoproteins. <i>Scientific Reports</i> , 2016, 6, 19063.	1.6	48
40	17 $\beta$ -Estradiol restores antibody responses to an influenza vaccine in a postmenopausal mouse model. <i>Vaccine</i> , 2011, 29, 2515-2518.	1.7	46
41	Heterotypic Protection against Influenza by Immunostimulating Complexes Is Associated with the Induction of Cross-Reactive Cytotoxic T Lymphocytes. <i>Journal of Infectious Diseases</i> , 1998, 177, 1266-1274.	1.9	44
42	RIG-I activation inhibits ebolavirus replication. <i>Virology</i> , 2009, 392, 11-15.	1.1	42
43	Broadly Protective Adenovirus-Based Multivalent Vaccines against Highly Pathogenic Avian Influenza Viruses for Pandemic Preparedness. <i>PLoS ONE</i> , 2013, 8, e62496.	1.1	41
44	Vaccine approaches conferring cross-protection against influenza viruses. <i>Expert Review of Vaccines</i> , 2017, 16, 1141-1154.	2.0	41
45	New Pre-pandemic Influenza Vaccines: An Egg- and Adjuvant-independent Human Adenoviral Vector Strategy Induces Long-lasting Protective Immune Responses in Mice. <i>Clinical Pharmacology and Therapeutics</i> , 2007, 82, 665-671.	2.3	40
46	Adenoviral Vector-Based Vaccine Platforms for Developing the Next Generation of Influenza Vaccines. <i>Vaccines</i> , 2020, 8, 574.	2.1	40
47	Needle-Free Skin Patch Delivery of a Vaccine for a Potentially Pandemic Influenza Virus Provides Protection against Lethal Challenge in Mice. <i>Vaccine Journal</i> , 2007, 14, 926-928.	3.2	39
48	The 3' Untranslated Regions of Influenza Genomic Sequences Are 5'PPP-Independent Ligands for RIG-I. <i>PLoS ONE</i> , 2012, 7, e32661.	1.1	39
49	H5N1 Avian Influenza: Preventive and Therapeutic Strategies Against a Pandemic. <i>Annual Review of Medicine</i> , 2010, 61, 187-198.	5.0	38
50	Influenza A viral nucleoprotein interacts with cytoskeleton scaffolding protein $\beta$ -actinin for viral replication. <i>FEBS Journal</i> , 2014, 281, 2899-2914.	2.2	38
51	Preexisting Immunity, More Than Aging, Influences Influenza Vaccine Responses. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofv052.	0.4	37
52	Severe Impairment of Primary but Not Memory Responses to Influenza Viral Antigens in Aged Mice: Costimulation in Vivo Partially Reverses Impaired Primary Immune Responses. <i>Cellular Immunology</i> , 2001, 210, 1-4.	1.4	36
53	Enhanced Antibody and Cytokine Responses to Influenza Viral Antigens in Perforin-Deficient Mice. <i>Cellular Immunology</i> , 1998, 187, 13-18.	1.4	33
54	Prior infection with influenza virus but not vaccination leaves a long-term immunological imprint that intensifies the protective efficacy of antigenically drifted vaccine strains. <i>Vaccine</i> , 2016, 34, 495-502.	1.7	31

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55	A Distal Regulatory Region Is Required for Constitutive and IFN- $\hat{2}$ -Induced Expression of MurineTLR9Gene. <i>Journal of Immunology</i> , 2005, 175, 7407-7418.	0.4	29
56	Vaccines against epidemic and pandemic influenza. <i>Expert Opinion on Drug Delivery</i> , 2008, 5, 1139-1157.	2.4	29
57	Influenza A Virus Neuraminidase Protein Enhances Cell Survival through Interaction with Carcinoembryonic Antigen-related Cell Adhesion Molecule 6 (CEACAM6) Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 15109-15117.	1.6	29
58	5'PPP-RNA induced RIG-I activation inhibits drug-resistant avian H5N1 as well as 1918 and 2009 pandemic influenza virus replication. <i>Virology Journal</i> , 2010, 7, 102.	1.4	27
59	Improving immunogenicity and effectiveness of influenza vaccine in older adults. <i>Expert Review of Vaccines</i> , 2011, 10, 1529-1537.	2.0	27
60	Significant Impact of Sequence Variations in the Nucleoprotein on CD8 T Cell-Mediated Cross-Protection against Influenza A Virus Infections. <i>PLoS ONE</i> , 2010, 5, e10583.	1.1	25
61	Beta-defensin 2 enhances immunogenicity and protection of an adenovirus-based H5N1 influenza vaccine at an early time. <i>Virus Research</i> , 2013, 178, 398-403.	1.1	24
62	Immunogenicity of standard, high-dose, MF59-adjuvanted, and recombinant-HA seasonal influenza vaccination in older adults. <i>Npj Vaccines</i> , 2021, 6, 25.	2.9	23
63	Non-neutralizing antibodies induced by seasonal influenza vaccine prevent, not exacerbate A(H1N1)pdm09 disease. <i>Scientific Reports</i> , 2016, 6, 37341.	1.6	22
64	Avian influenza vaccines: what's all the flap?. <i>Lancet, The</i> , 2006, 367, 1636-1638.	6.3	20
65	An ELISA-based method for detection of rabies virus nucleoprotein-specific antibodies in human antemortem samples. <i>PLoS ONE</i> , 2018, 13, e0207009.	1.1	20
66	Kinetics of antibody response to influenza vaccination in renal transplant recipients. <i>Transplant Immunology</i> , 2019, 53, 51-60.	0.6	20
67	Enhanced immune responses and resistance against infection in aged mice conferred by Flu-ISCOMs vaccine correlate with up-regulation of costimulatory molecule CD86. <i>Vaccine</i> , 1998, 16, 1698-1704.	1.7	19
68	High-dose influenza vaccine favors acute plasmablast responses rather than long-term cellular responses. <i>Vaccine</i> , 2016, 34, 4594-4601.	1.7	19
69	Comparison of the Immunogenicity of Cell Culture-Based and Recombinant Quadrivalent Influenza Vaccines to Conventional Egg-Based Quadrivalent Influenza Vaccines Among Healthcare Personnel Aged 18-64 Years: A Randomized Open-Label Trial. <i>Clinical Infectious Diseases</i> , 2021, 73, 1973-1981.	2.9	18
70	Influence of pre-existing hemagglutination inhibition titers against historical influenza strains on antibody response to inactivated trivalent influenza vaccine in adults 50-80 years of age. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 1195-1203.	1.4	17
71	NADPH Oxidase 1 Is Associated with Altered Host Survival and T Cell Phenotypes after Influenza A Virus Infection in Mice. <i>PLoS ONE</i> , 2016, 11, e0149864.	1.1	17
72	Conserved Oligomeric Golgi (COG) Complex Proteins Facilitate Orthopoxvirus Entry, Fusion and Spread. <i>Viruses</i> , 2020, 12, 707.	1.5	16

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73	Seasonal Influenza Vaccination of Children Induces Humoral and Cell-Mediated Immunity Beyond the Current Season: Cross-reactivity With Past and Future Strains. <i>Journal of Infectious Diseases</i> , 2016, 214, 1477-1486.	1.9	15
74	Longevity of adenovirus vector immunity in mice and its implications for vaccine efficacy. <i>Vaccine</i> , 2018, 36, 6744-6751.	1.7	15
75	A liposome-displayed hemagglutinin vaccine platform protects mice and ferrets from heterologous influenza virus challenge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
76	Adenovirus vector-based multi-epitope vaccine provides partial protection against H5, H7, and H9 avian influenza viruses. <i>PLoS ONE</i> , 2017, 12, e0186244.	1.1	15
77	Influenza (H1N1)â€“ISCOMs enhance immune responses and protection in aged mice. <i>Mechanisms of Ageing and Development</i> , 1997, 96, 157-169.	2.2	14
78	Vaccines against Influenza A (H5N1): Evidence of Progress. <i>Journal of Infectious Diseases</i> , 2008, 198, 629-631.	1.9	14
79	A Bovine Adenoviral Vector-Based H5N1 Influenza -Vaccine Provides Enhanced Immunogenicity and Protection at a Significantly Low Dose. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 10, 210-222.	1.8	14
80	Inactivated Influenza Vaccines. , 2018, , 456-488.e21.		14
81	Adenoviral vectorâ€“based platforms for developing effective vaccines to combat respiratory viral infections. <i>Clinical and Translational Immunology</i> , 2021, 10, e1345.	1.7	14
82	The innate immune system: a repository for future drugs?. <i>Expert Review of Anti-Infective Therapy</i> , 2007, 5, 1-5.	2.0	13
83	Antiviral defense: RIG-Ing the immune system to STING. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 1-5.	3.2	13
84	An oil-in-water nanoemulsion enhances immunogenicity of H5N1 vaccine in mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1909-1917.	1.7	12
85	A highly immunogenic vaccine against A/H7N9 influenza virus. <i>Vaccine</i> , 2016, 34, 744-749.	1.7	12
86	Age, serum 25-hydroxyvitamin D and vitamin D receptor (VDR) expression and function in peripheral blood mononuclear cells. <i>Oncotarget</i> , 2016, 7, 35512-35521.	0.8	12
87	Discovery of Retro-1 Analogs Exhibiting Enhanced Anti-vaccinia Virus Activity. <i>Frontiers in Microbiology</i> , 2020, 11, 603.	1.5	11
88	Critical role of RIG-I and MDA5 in early and late stages of Tulane virus infection. <i>Journal of General Virology</i> , 2017, 98, 1016-1026.	1.3	11
89	Nasal delivery of H5N1 avian influenza vaccine formulated with GenJetâ„¢ or in vivo-jetPEI<sup>Â®</sup> induces enhanced serological, cellular and protective immune responses. <i>Drug Delivery</i> , 2018, 25, 773-779.	2.5	10
90	Innate lymphoid cells (ILC) in SARS-CoV-2 infection. <i>Molecular Aspects of Medicine</i> , 2021, 80, 101008.	2.7	10

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91	Breaking the immunogenicity barrier of bird flu vaccines. <i>Lancet, The</i> , 2007, 370, 544-545.	6.3	8
92	Moving influenza vaccines forward. <i>Expert Review of Vaccines</i> , 2009, 8, 375-377.	2.0	8
93	PAMPer and tRIGer: ligand-induced activation of RIG-I. <i>Trends in Biochemical Sciences</i> , 2011, 36, 314-319.	3.7	8
94	Adenoviral vector expressing murine $\beta$ -defensin 2 enhances immunogenicity of an adenoviral vector based H5N1 influenza vaccine in aged mice. <i>Virus Research</i> , 2013, 177, 55-61.	1.1	8
95	Cell-Mediated Immunity Against Antigenically Drifted Influenza A(H3N2) Viruses in Children During a Vaccine Mismatch Season. <i>Journal of Infectious Diseases</i> , 2016, 214, 1030-1038.	1.9	8
96	Nasal delivery of Protollin-adjuvanted H5N1 vaccine induces enhanced systemic as well as mucosal immunity in mice. <i>Vaccine</i> , 2017, 35, 3318-3325.	1.7	8
97	Influenza A Virus Nucleoprotein Activates the JNK Stress-Signaling Pathway for Viral Replication by Sequestering Host Filamin A Protein. <i>Frontiers in Microbiology</i> , 2020, 11, 581867.	1.5	8
98	Infection of Lung Epithelial Cells with Pandemic 2009 A(H1N1) Influenza Viruses Reveals Isolate-Specific Differences in Infectivity and Host Cellular Responses. <i>Viral Immunology</i> , 2011, 24, 89-99.	0.6	7
99	Influenza virus NS1- C/EBP $\beta$ gene regulatory complex inhibits RIG-I transcription. <i>Antiviral Research</i> , 2020, 176, 104747.	1.9	7
100	Prospective cohort study of influenza vaccine effectiveness among healthcare personnel in Lima, Peru: Estudio Vacuna de Influenza Peru, 2016-2018. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 391-402.	1.5	7
101	Influenza Virus Infects and Depletes Activated Adaptive Immune Responders. <i>Advanced Science</i> , 2021, 8, e2100693.	5.6	7
102	Patients Hospitalized with pH1N1 Influenza in an Academic Community Medical Center. <i>Open Respiratory Medicine Journal</i> , 2011, 5, 19-23.	1.3	7
103	Improving influenza vaccines. <i>Expert Review of Vaccines</i> , 2012, 11, 871-872.	2.0	6
104	RIG-I Goes Beyond Naked Recognition. <i>Cell Host and Microbe</i> , 2013, 13, 247-249.	5.1	6
105	RIG-I ligand enhances the immunogenicity of recombinant H7HA protein. <i>Cellular Immunology</i> , 2016, 304-305, 55-58.	1.4	6
106	Standard-Dose Intradermal Influenza Vaccine Elicits Cellular Immune Responses Similar to Those of Intramuscular Vaccine in Men With and Those Without HIV Infection. <i>Journal of Infectious Diseases</i> , 2019, 220, 743-751.	1.9	6
107	Impact of diabetes status on immunogenicity of trivalent inactivated influenza vaccine in older adults. <i>Influenza and Other Respiratory Viruses</i> , 2022, 16, 562-567.	1.5	6
108	H5N1 vaccine hits the target, but not the bull's eye. <i>Lancet Infectious Diseases, The</i> , 2007, 7, 503-505.	4.6	5

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109	A Newly Emerged Swine-Origin Influenza A(H3N2) Variant Dampens Host Antiviral Immunity but Induces Potent Inflammasome Activation. <i>Journal of Infectious Diseases</i> , 2015, 212, 1923-1929.	1.9	5
110	Rapamycin Does Not Impede Survival or Induction of Antibody Responses to Primary and Heterosubtypic Influenza Infections in Mice. <i>Viral Immunology</i> , 2016, 29, 487-493.	0.6	4
111	Heterogeneous Ribonucleoprotein A1 (hnRNPA1) Interacts with the Nucleoprotein of the Influenza A Virus and Impedes Virus Replication. <i>Viruses</i> , 2022, 14, 199.	1.5	4
112	A Dual-Functioning 5'PPP-NS1shRNA that Activates a RIG-I Antiviral Pathway and Suppresses Influenza NS1. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 1413-1422.	2.3	3
113	Dependence of mouse thymocyte-erythrocyte rosette formation on complete identity at class-I-MHC. <i>Journal of Cellular Physiology</i> , 1991, 148, 485-492.	2.0	2
114	An Adjuvanted A(H5N1) Subvirion Vaccine Elicits Virus-Specific Antibody Response and Improves Protection Against Lethal Influenza Viral Challenge in Mouse Model of Protein Energy Malnutrition. <i>Journal of Infectious Diseases</i> , 2017, 216, S560-S565.	1.9	2
115	Increased Dietary Salt Intake Does Not Influence Influenza A Virus-Induced Disease Severity in Mice. <i>Viral Immunology</i> , 2015, 28, 532-537.	0.6	1
116	Vaccines: SARS-CoV-2 RBD Neutralizing Antibody Induction is Enhanced by Particulate Vaccination (Adv.) <i>Trends Microbiol</i> / <i>Overlooked</i>	11.1	81
117	Quinazolin-derived myeloperoxidase inhibitor suppresses influenza A virus-induced reactive oxygen species, pro-inflammatory mediators and improves cell survival. <i>PLoS ONE</i> , 2021, 16, e0254632.	1.1	1
118	Human innate lymphoid cells in influenza infection and vaccination. <i>Critical Reviews in Immunology</i> , 2021, 41, 57-82.	1.0	1
119	Nox1 as a Therapeutic Target to Improve Survival in Influenza A Infection. <i>Free Radical Biology and Medicine</i> , 2013, 65, S125-S126.	1.3	0
120	Age and Vitamin D Receptor (VDR) Expression and Functionality in Peripheral Blood Mononuclear Cells (PBMC). <i>FASEB Journal</i> , 2013, 27, lb252.	0.2	0