

# Ilkka Julkunen

## List of Publications by Year in descending order

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77  
papers

4,770  
citations

126708

33  
h-index

98622

67  
g-index

81  
all docs

81  
docs citations

81  
times ranked

6632  
citing authors

#	ARTICLE	IF	CITATIONS
1	AS03 Adjuvanted AH1N1 Vaccine Associated with an Abrupt Increase in the Incidence of Childhood Narcolepsy in Finland. PLoS ONE, 2012, 7, e33536.	1.1	443
2	Increased Incidence and Clinical Picture of Childhood Narcolepsy following the 2009 H1N1 Pandemic Vaccination Campaign in Finland. PLoS ONE, 2012, 7, e33723.	1.1	358
3	IFN Regulatory Factor Family Members Differentially Regulate the Expression of Type III IFN (IFN- $\lambda$ ) Genes. Journal of Immunology, 2007, 179, 3434-3442.	0.4	271
4	NF- $\kappa$ B Is Transported into the Nucleus by Importin $\beta$ 3 and Importin $\beta$ 4. Journal of Biological Chemistry, 2005, 280, 15942-15951.	1.6	250
5	COVID-19 mRNA vaccine induced antibody responses against three SARS-CoV-2 variants. Nature Communications, 2021, 12, 3991.	5.8	241
6	Narcolepsy as an autoimmune disease: the role of H1N1 infection and vaccination. Lancet Neurology, The, 2014, 13, 600-613.	4.9	229
7	Antibodies to influenza nucleoprotein cross-react with human hypocretin receptor 2. Science Translational Medicine, 2015, 7, 294ra105.	5.8	206
8	Nuclear and Nucleolar Targeting of Influenza A Virus NS1 Protein: Striking Differences between Different Virus Subtypes. Journal of Virology, 2007, 81, 5995-6006.	1.5	165
9	Gene Expression and Antiviral Activity of Alpha/Beta Interferons and Interleukin-29 in Virus-Infected Human Myeloid Dendritic Cells. Journal of Virology, 2005, 79, 9608-9617.	1.5	163
10	Streptococcus pyogenes and Lactobacillus rhamnosus differentially induce maturation and production of Th1-type cytokines and chemokines in human monocyte-derived dendritic cells. Journal of Leukocyte Biology, 2004, 75, 764-771.	1.5	161
11	Importin $\beta$ Nuclear Localization Signal Binding Sites for STAT1, STAT2, and Influenza A Virus Nucleoprotein. Journal of Biological Chemistry, 2003, 278, 28193-28200.	1.6	159
12	Tumor Necrosis Factor Alpha Enhances Influenza A Virus-Induced Expression of Antiviral Cytokines by Activating RIG-I Gene Expression. Journal of Virology, 2006, 80, 3515-3522.	1.5	128
13	Quantitative Subcellular Proteome and Secretome Profiling of Influenza A Virus-Infected Human Primary Macrophages. PLoS Pathogens, 2011, 7, e1001340.	2.1	122
14	RIG-I-mediated Activation of p38 MAPK Is Essential for Viral Induction of Interferon and Activation of Dendritic Cells. Journal of Biological Chemistry, 2009, 284, 10774-10782.	1.6	104
15	Antigenic Differences between AS03 Adjuvanted Influenza A (H1N1) Pandemic Vaccines: Implications for Pandemrix-Associated Narcolepsy Risk. PLoS ONE, 2014, 9, e114361.	1.1	87
16	Avian and 1918 Spanish Influenza A Virus NS1 Proteins Bind to Crk/CrkL Src Homology 3 Domains to Activate Host Cell Signaling. Journal of Biological Chemistry, 2008, 283, 5719-5727.	1.6	84
17	The Proximal Interferon-Stimulated Response Elements Are Essential for Interferon Responsiveness: A Promoter Analysis of the Antiviral MxA Gene. Journal of Interferon and Cytokine Research, 1998, 18, 773-781.	0.5	80
18	Obatoclax, Saliphenylhalamide, and Gemcitabine Inhibit Influenza A Virus Infection. Journal of Biological Chemistry, 2012, 287, 35324-35332.	1.6	80

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19	Narcolepsy patients have antibodies that stain distinct cell populations in rat brain and influence sleep patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3735-44.	3.3	71
20	Novel activities of safe-in-human broad-spectrum antiviral agents. <i>Antiviral Research</i> , 2018, 154, 174-182.	1.9	64
21	Hepatitis C virus NS2 and NS3/4A proteins are potent inhibitors of host cell cytokine/chemokine gene expression. <i>Virology Journal</i> , 2006, 3, 66.	1.4	57
22	Structural and functional analysis reveals that human OASL binds dsRNA to enhance RIG-I signaling. <i>Nucleic Acids Research</i> , 2015, 43, 5236-5248.	6.5	57
23	Regulation of kynurenine biosynthesis during influenza virus infection. <i>FEBS Journal</i> , 2017, 284, 222-236.	2.2	56
24	Narcolepsy Associated with Pandemrix Vaccine. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 43.	2.0	52
25	Incoming Influenza A Virus Evades Early Host Recognition, while Influenza B Virus Induces Interferon Expression Directly upon Entry. <i>Journal of Virology</i> , 2012, 86, 11183-11193.	1.5	49
26	Innate Immune Responses in Human Monocyte-Derived Dendritic Cells Are Highly Dependent on the Size and the 5â€² Phosphorylation of RNA Molecules. <i>Journal of Immunology</i> , 2011, 187, 1713-1721.	0.4	45
27	No Serological Evidence of Influenza A H1N1pdm09 Virus Infection as a Contributing Factor in Childhood Narcolepsy after Pandemrix Vaccination Campaign in Finland. <i>PLoS ONE</i> , 2013, 8, e68402.	1.1	45
28	Influenza A H3N2 subtype virus NS1 protein targets into the nucleus and binds primarily via its C-terminal NLS2/NoLS to nucleolin and fibrillarin. <i>Virology Journal</i> , 2012, 9, 167.	1.4	43
29	Hepatitis C virus NS2 protease inhibits host cell antiviral response by inhibiting IKKÎ¼ and TBK1 functions. <i>Journal of Medical Virology</i> , 2013, 85, 71-82.	2.5	43
30	Comparative analysis of COVID-19 vaccine responses and third booster dose-induced neutralizing antibodies against Delta and Omicron variants. <i>Nature Communications</i> , 2022, 13, 2476.	5.8	43
31	Long-Lasting T Cell Responses in BNT162b2 COVID-19 mRNA Vaccinees and COVID-19 Convalescent Patients. <i>Frontiers in Immunology</i> , 2022, 13, 869990.	2.2	40
32	Antiviral Properties of Chemical Inhibitors of Cellular Anti-Apoptotic Bcl-2 Proteins. <i>Viruses</i> , 2017, 9, 271.	1.5	39
33	Akt Inhibitor MK2206 Prevents Influenza pH1N1 Virus Infection <i>In Vitro</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 3689-3696.	1.4	38
34	Blood MxA protein as a marker for respiratory virus infections in young children. <i>Journal of Clinical Virology</i> , 2015, 62, 8-13.	1.6	38
35	RIG-I Signaling Is Essential for Influenza B Virus-Induced Rapid Interferon Gene Expression. <i>Journal of Virology</i> , 2015, 89, 12014-12025.	1.5	36
36	Spectrally and Spatially Multiplexed Serological Array-in-Well Assay Utilizing Two-Color Upconversion Luminescence Imaging. <i>Analytical Chemistry</i> , 2016, 88, 4470-4477.	3.2	33

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37	Analysis of Influenza B Virus NS1 Protein Trafficking Reveals a Novel Interaction with Nuclear Speckle Domains. <i>Journal of Virology</i> , 2009, 83, 701-711.	1.5	31
38	Oncogenic Herpesvirus Utilizes Stress-Induced Cell Cycle Checkpoints for Efficient Lytic Replication. <i>PLoS Pathogens</i> , 2016, 12, e1005424.	2.1	30
39	Influenza virus NS1 protein binds cellular DNA to block transcription of antiviral genes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1440-1448.	0.9	29
40	Zika Virus Non-Structural Protein NS5 Inhibits the RIG-I Pathway and Interferon Lambda 1 Promoter Activation by Targeting IKK Epsilon. <i>Viruses</i> , 2019, 11, 1024.	1.5	28
41	Ebolavirus protein VP24 interferes with innate immune responses by inhibiting interferon- $\lambda$ 1 gene expression. <i>Virology</i> , 2017, 509, 23-34.	1.1	26
42	Highly Pathogenic H5N1 Influenza A Virus Spreads Efficiently in Human Primary Monocyte-Derived Macrophages and Dendritic Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1664.	2.2	25
43	A Combination of N and S Antigens With IgA and IgG Measurement Strengthens the Accuracy of SARS-CoV-2 Serodiagnostics. <i>Journal of Infectious Diseases</i> , 2021, 224, 218-228.	1.9	25
44	Interferons Induce STAT1-Dependent Expression of Tissue Plasminogen Activator, a Pathogenicity Factor in Puumala Hantavirus Disease. <i>Journal of Infectious Diseases</i> , 2016, 213, 1632-1641.	1.9	24
45	Effectiveness of Pandemic and Seasonal Influenza Vaccines in Preventing Laboratory-Confirmed Influenza in Adults: A Clinical Cohort Study during Epidemic Seasons 2009-2010 and 2010-2011 in Finland. <i>PLoS ONE</i> , 2014, 9, e108538.	1.1	23
46	MAP kinase p38 $\beta$ regulates type III interferon ( $\text{IFN-}\lambda$ 1) gene expression in human monocyte-derived dendritic cells in response to RNA stimulation. <i>Journal of Leukocyte Biology</i> , 2015, 97, 307-320.	1.5	22
47	Validation and Diagnostic Application of NS and HA Gene-Specific Real-Time Reverse Transcription-PCR Assays for Detection of 2009 Pandemic Influenza A (H1N1) Viruses in Clinical Specimens. <i>Journal of Clinical Microbiology</i> , 2011, 49, 2009-2011.	1.8	18
48	A Highly Sensitive and Specific SARS-CoV-2 Spike- and Nucleoprotein-Based Fluorescent Multiplex Immunoassay (FMIA) to Measure IgG, IgA, and IgM Class Antibodies. <i>Microbiology Spectrum</i> , 2021, 9, e0113121.	1.2	18
49	Does autoreactivity have a role in narcolepsy?. <i>Lancet Neurology</i> , The, 2014, 13, 1072-1073.	4.9	17
50	Human kinome analysis reveals novel kinases contributing to virus infection and retinoic-acid inducible gene I-induced type I and type III IFN gene expression. <i>Innate Immunity</i> , 2013, 19, 516-530.	1.1	16
51	Immuno-modulating properties of saliphenylhalamide, SNS-032, obatoclox, and gemcitabine. <i>Antiviral Research</i> , 2016, 126, 69-80.	1.9	16
52	Novel Avian Influenza A (H7N9) Virus Induces Impaired Interferon Responses in Human Dendritic Cells. <i>PLoS ONE</i> , 2014, 9, e96350.	1.1	15
53	Production, purification and immunogenicity of recombinant Ebola virus proteins - A comparison of Freund's adjuvant and adjuvant system 03. <i>Journal of Virological Methods</i> , 2017, 242, 35-45.	1.0	15
54	Asian and African lineage Zika viruses show differential replication and innate immune responses in human dendritic cells and macrophages. <i>Scientific Reports</i> , 2019, 9, 15710.	1.6	15

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55	SARS-CoV-2 Isolates Show Impaired Replication in Human Immune Cells but Differential Ability to Replicate and Induce Innate Immunity in Lung Epithelial Cells. <i>Microbiology Spectrum</i> , 2021, 9, e0077421.	1.2	15
56	Detection of Rotavirus in Faecal Specimens by Enzyme Immunoassay, Latex Agglutination and Electron Microscopy. <i>Scandinavian Journal of Infectious Diseases</i> , 1985, 17, 245-249.	1.5	14
57	Interleukin-5, interleukin-6, interferon induced protein-10, procalcitonin and C-reactive protein among mechanically ventilated severe community-acquired viral and bacterial pneumonia patients. <i>Cytokine</i> , 2019, 113, 272-276.	1.4	13
58	Influenza virus infections from 0 to 2 years of age: A birth cohort study. <i>Journal of Microbiology, Immunology and Infection</i> , 2019, 52, 526-533.	1.5	13
59	Antibody responses to mumps virus proteins in natural mumps infection and after vaccination with live and inactivated mumps virus vaccines. <i>Journal of Medical Virology</i> , 1984, 14, 209-219.	2.5	12
60	COVID-19 adenovirus vaccine triggers antibodies against PF4 complexes to activate complement and platelets. <i>Thrombosis Research</i> , 2021, 208, 129-137.	0.8	12
61	Filovirus VP24 Proteins Differentially Regulate RIG-I and MDA5-Dependent Type I and III Interferon Promoter Activation. <i>Frontiers in Immunology</i> , 2021, 12, 694105.	2.2	11
62	Disease mechanisms in narcolepsy remain elusive. <i>Nature Reviews Neurology</i> , 2014, 10, 616-617.	4.9	10
63	Efficient replication and strong induction of innate immune responses by H9N2 avian influenza virus in human dendritic cells. <i>Virology</i> , 2014, 471-473, 38-48.	1.1	9
64	Mutations within the conserved NS1 nuclear export signal lead to inhibition of influenza A virus replication. <i>Virology Journal</i> , 2014, 11, 128.	1.4	9
65	Efficient Inhibition of Avian and Seasonal Influenza A Viruses by a Virus-Specific Dicer-Substrate Small Interfering RNA Swarm in Human Monocyte-Derived Macrophages and Dendritic Cells. <i>Journal of Virology</i> , 2019, 93, .	1.5	9
66	Vaccine-Induced Antibody Responses against SARS-CoV-2 Variants-Of-Concern Six Months after the BNT162b2 COVID-19 mRNA Vaccination. <i>Microbiology Spectrum</i> , 2022, 10, e0225221.	1.2	9
67	Comparative Analysis of Whole-Genome Sequences of Influenza A(H1N1)pdm09 Viruses Isolated from Hospitalized and Nonhospitalized Patients Identifies Missense Mutations That Might Be Associated with Patient Hospital Admissions in Finland during 2009 to 2014. <i>Genome Announcements</i> , 2015, 3, .	0.8	8
68	Low pre-vaccination SARS-CoV-2 seroprevalence in Finnish health care workers: a prospective cohort study. <i>Infectious Diseases</i> , 2022, 54, 448-454.	1.4	7
69	Pandemic influenza A(H1N1pdm09) vaccine induced high levels of influenza-specific IgG and IgM antibodies as analyzed by enzyme immunoassay and dual-mode multiplex microarray immunoassay methods. <i>Vaccine</i> , 2020, 38, 1933-1942.	1.7	6
70	Nuclear Translocation of Crk Adaptor Proteins by the Influenza A Virus NS1 Protein. <i>Viruses</i> , 2016, 8, 101.	1.5	5
71	In vitro production of synthetic viral RNAs and their delivery into mammalian cells and the application of viral RNAs in the study of innate interferon responses. <i>Methods</i> , 2020, 183, 21-29.	1.9	4
72	No evidence of autoimmunity to human OX1 or OX2 orexin receptors in Pandemrix-vaccinated narcoleptic children. <i>Journal of Translational Autoimmunity</i> , 2020, 3, 100055.	2.0	4

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73	Long-lasting heterologous antibody responses after sequential vaccination with A/Indonesia/5/2005 and A/Vietnam/1203/2004 pre-pandemic influenza A(H5N1) virus vaccines. <i>Vaccine</i> , 2021, 39, 402-411.	1.7	4
74	Inactivation efficacy of H5N1 avian influenza virus by commonly used sample preparation reagents for safe laboratory practices. <i>Journal of Virological Methods</i> , 2022, 304, 114527.	1.0	3
75	Seasonal influenza vaccines induced high levels of neutralizing cross-reactive antibody responses against different genetic group influenza A(H1N1)pdm09 viruses. <i>Vaccine</i> , 2019, 37, 2731-2740.	1.7	2
76	Comparison of Zaire ebolavirus realtime RT-PCRs targeting the nucleoprotein gene. <i>Journal of Virological Methods</i> , 2020, 284, 113941.	1.0	2
77	Interaction of Ebola Virus with the Innate Immune System. , 2020, , .		1