

Yutaro Kumagai

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4808230/yutaro-kumagai-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

5,995
citations

33
h-index

69
g-index

69
ext. papers

6,815
ext. citations

10
avg, IF

5.12
L-index

#	Paper	IF	Citations
64	The Jmjd3-Irf4 axis regulates M2 macrophage polarization and host responses against helminth infection. <i>Nature Immunology</i> , 2010 , 11, 936-44	19.1	803
63	LGP2 is a positive regulator of RIG-I- and MDA5-mediated antiviral responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1512-7	11.5	464
62	Zc3h12a is an RNase essential for controlling immune responses by regulating mRNA decay. <i>Nature</i> , 2009 , 458, 1185-90	50.4	460
61	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. <i>Nature Immunology</i> , 2006 , 7, 868-74	19.1	358
60	Sequential control of Toll-like receptor-dependent responses by IRAK1 and IRAK2. <i>Nature Immunology</i> , 2008 , 9, 684-91	19.1	315
59	Alveolar macrophages are the primary interferon-alpha producer in pulmonary infection with RNA viruses. <i>Immunity</i> , 2007 , 27, 240-52	32.3	278
58	TLR9 as a key receptor for the recognition of DNA. <i>Advanced Drug Delivery Reviews</i> , 2008 , 60, 795-804	18.5	239
57	TLR7-dependent and FcγR-independent production of type I interferon in experimental mouse lupus. <i>Journal of Experimental Medicine</i> , 2008 , 205, 2995-3006	16.6	171
56	Pathogen recognition by innate receptors. <i>Journal of Infection and Chemotherapy</i> , 2008 , 14, 86-92	2.2	160
55	Alveolar macrophage-derived type I interferons orchestrate innate immunity to RSV through recruitment of antiviral monocytes. <i>Journal of Experimental Medicine</i> , 2015 , 212, 699-714	16.6	158
54	A noncoding RNA produced by arthropod-borne flaviviruses inhibits the cellular exoribonuclease XRN1 and alters host mRNA stability. <i>Rna</i> , 2012 , 18, 2029-40	5.8	150
53	Identification and functions of pattern-recognition receptors. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 985-92	11.5	142
52	West Nile virus noncoding subgenomic RNA contributes to viral evasion of the type I interferon-mediated antiviral response. <i>Journal of Virology</i> , 2012 , 86, 5708-18	6.6	137
51	Double-stranded RNA of intestinal commensal but not pathogenic bacteria triggers production of protective interferon- λ . <i>Immunity</i> , 2013 , 38, 1187-97	32.3	133
50	Involvement of the NLRP3 inflammasome in innate and humoral adaptive immune responses to fungal beta-glucan. <i>Journal of Immunology</i> , 2009 , 183, 8061-7	5.3	132
49	Interferon response factors 3 and 7 protect against Chikungunya virus hemorrhagic fever and shock. <i>Journal of Virology</i> , 2012 , 86, 9888-98	6.6	128
48	Type I interferon modulates monocyte recruitment and maturation in chronic inflammation. <i>American Journal of Pathology</i> , 2009 , 175, 2023-33	5.8	123

47	Regulation of lipopolysaccharide-inducible genes by MyD88 and Toll/IL-1 domain containing adaptor inducing IFN-beta. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 328, 383-92	3.4	114
46	B cells enhance early innate immune responses during bacterial sepsis. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1673-82	16.6	108
45	Plasmacytoid dendritic cells delineate immunogenicity of influenza vaccine subtypes. <i>Science Translational Medicine</i> , 2010 , 2, 25ra24	17.5	107
44	Lymphocytoid choriomeningitis virus activates plasmacytoid dendritic cells and induces a cytotoxic T-cell response via MyD88. <i>Journal of Virology</i> , 2008 , 82, 196-206	6.6	102
43	Cutting edge: bacterial infection induces hematopoietic stem and progenitor cell expansion in the absence of TLR signaling. <i>Journal of Immunology</i> , 2010 , 184, 2247-51	5.3	98
42	Blockade of TLR3 protects mice from lethal radiation-induced gastrointestinal syndrome. <i>Nature Communications</i> , 2014 , 5, 3492	17.4	96
41	Poly I:C-induced activation of NK cells by CD8 alpha+ dendritic cells via the IPS-1 and TRIF-dependent pathways. <i>Journal of Immunology</i> , 2009 , 183, 2522-8	5.3	89
40	NLRC5 deficiency does not influence cytokine induction by virus and bacteria infections. <i>Journal of Immunology</i> , 2011 , 186, 994-1000	5.3	87
39	Cutting edge: Role of TANK-binding kinase 1 and inducible I kappa B kinase in IFN responses against viruses in innate immune cells. <i>Journal of Immunology</i> , 2006 , 177, 5785-9	5.3	75
38	Cutting Edge: TLR-Dependent viral recognition along with type I IFN positive feedback signaling masks the requirement of viral replication for IFN- α production in plasmacytoid dendritic cells. <i>Journal of Immunology</i> , 2009 , 182, 3960-4	5.3	72
37	Genetic analysis of capsular polysaccharide synthesis gene clusters from all serotypes of <i>Streptococcus suis</i> : potential mechanisms for generation of capsular variation. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 2796-806	4.8	69
36	Nociceptors Boost the Resolution of Fungal Osteoinflammation via the TRP Channel-CGRP-Jdp2 Axis. <i>Cell Reports</i> , 2017 , 19, 2730-2742	10.6	60
35	VP1686, a <i>Vibrio</i> type III secretion protein, induces toll-like receptor-independent apoptosis in macrophage through NF-kappaB inhibition. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36897-904	5.4	54
34	IL-1 β modulates neutrophil recruitment in chronic inflammation induced by hydrocarbon oil. <i>Journal of Immunology</i> , 2011 , 186, 1747-54	5.3	45
33	Raman spectroscopy as a tool for label-free lymphocyte cell line discrimination. <i>Analyst, The</i> , 2016 , 141, 3756-64	5	43
32	Pathogenic role of B cells in the development of diffuse alveolar hemorrhage induced by pristane. <i>Laboratory Investigation</i> , 2011 , 91, 1540-50	5.9	42
31	IBIs essential for natural killer cell activation in response to IL-12 and IL-18. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17680-5	11.5	33
30	RNA Sensing by Gut Piezo1 Is Essential for Systemic Serotonin Synthesis. <i>Cell</i> , 2020 , 182, 609-624.e21	56.2	32

29	Eosinophil depletion suppresses radiation-induced small intestinal fibrosis. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	32
28	Prediction of dinucleotide-specific RNA-binding sites in proteins. <i>BMC Bioinformatics</i> , 2011 , 12 Suppl 13, S5	3.6	32
27	The ATP Transporter VNUT Mediates Induction of Dectin-1-Triggered Candida Nociception. <i>IScience</i> , 2018 , 6, 306-318	6.1	32
26	Intracellular Protein-Labeling Probes for Multicolor Single-Molecule Imaging of Immune Receptor-Adaptor Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17397-17404	16.4	21
25	Linking transcriptional changes over time in stimulated dendritic cells to identify gene networks activated during the innate immune response. <i>PLoS Computational Biology</i> , 2013 , 9, e1003323	5	21
24	Effect of Surface-Modified Gold Nanorods on the Inflammatory Cytokine Response in Macrophage Cells. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 427-433	3.1	18
23	Microarray analysis identifies apoptosis regulatory gene expression in HCT116 cells infected with thermostable direct hemolysin-deletion mutant of <i>Vibrio parahaemolyticus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005 , 335, 328-34	3.4	17
22	Bone-protective Functions of Netrin 1 Protein. <i>Journal of Biological Chemistry</i> , 2016 , 291, 23854-23868	5.4	16
21	Intestinal Lin- c-Kit+ NKp46- CD4- population strongly produces IL-22 upon IL-1 β stimulation. <i>Journal of Immunology</i> , 2013 , 190, 5296-305	5.3	16
20	Selective Induction of Human Autonomic Neurons Enables Precise Control of Cardiomyocyte Beating. <i>Scientific Reports</i> , 2020 , 10, 9464	4.9	11
19	Laser-targeted photofabrication of gold nanoparticles inside cells. <i>Nature Communications</i> , 2014 , 5, 5144	7.4	11
18	Analysis of changes in transcription start site distribution by a classification approach. <i>Gene</i> , 2014 , 537, 29-40	3.8	10
17	A <i>Corynebacterium glutamicum</i> rnhA recG double mutant showing lysozyme-sensitivity, temperature-sensitive growth, and UV-sensitivity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003 , 67, 2416-24	2.1	10
16	A novel unbiased measure for motif co-occurrence predicts combinatorial regulation of transcription. <i>BMC Genomics</i> , 2012 , 13 Suppl 7, S11	4.5	9
15	Fluorescent phospholipid analogs as microscopic probes for detection of the mycolic acid-containing layer in <i>Corynebacterium glutamicum</i> : detecting alterations in the mycolic acid-containing layer following ethambutol treatment. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 2051-6	2.1	9
14	Waves of chromatin modifications in mouse dendritic cells in response to LPS stimulation. <i>Genome Biology</i> , 2018 , 19, 138	18.3	9
13	Microarray and gene co-expression analysis reveals that melatonin attenuates immune responses and modulates actin rearrangement in macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 485, 414-420	3.4	8
12	Genome-wide map of RNA degradation kinetics patterns in dendritic cells after LPS stimulation facilitates identification of primary sequence and secondary structure motifs in mRNAs. <i>BMC Genomics</i> , 2016 , 17, 1032	4.5	8

11	Adipose-derived mesenchymal stem cells differentiate into heterogeneous cancer-associated fibroblasts in a stroma-rich xenograft model. <i>Scientific Reports</i> , 2021 , 11, 4690	4.9	7
10	Microarray analysis of macrophage response to infection with <i>Streptococcus oralis</i> reveals the immunosuppressive effect of hydrogen peroxide. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 485, 461-467	3.4	4
9	Mind bomb proteins in the antiviral arsenal. <i>Immunity</i> , 2011 , 35, 320-2	32.3	4
8	A Parzen window-based approach for the detection of locally enriched transcription factor binding sites. <i>BMC Bioinformatics</i> , 2013 , 14, 26	3.6	3
7	Stochastic binary modeling of cells in continuous time as an alternative to biochemical reaction equations. <i>Physical Review E</i> , 2011 , 84, 062903	2.4	3
6	Waves of chromatin modifications in mouse dendritic cells in response to LPS stimulation		2
5	Zinc Finger Protein St18 Protects against Septic Death by Inhibiting VEGF-A from Macrophages. <i>Cell Reports</i> , 2020 , 32, 107906	10.6	2
4	Innate immunity interactome dynamics. <i>Gene Regulation and Systems Biology</i> , 2014 , 8, 1-15	2	1
3	Functional characterization of protein domains common to animal viruses and mouse. <i>BMC Genomics</i> , 2011 , 12 Suppl 3, S21	4.5	1
2	Nociceptor-derived Reg3 β prevents endotoxic death by targeting kynurenine pathway in microglia.. <i>Cell Reports</i> , 2022 , 38, 110462	10.6	1
1	Estimation of diffusion constants from single molecular measurement without explicit tracking. <i>BMC Systems Biology</i> , 2018 , 12, 15	3.5	0