Yutaro Kumagai

List of Publications by Year
in descending order

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65	7,331	94433	114465
papers	citations	37 h-index	63 g-index

69	69	69	12579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Jmjd3-Irf4 axis regulates M2 macrophage polarization and host responses against helminth infection. Nature Immunology, 2010, 11, 936-944.	14.5	996
2	Zc3h12a is an RNase essential for controlling immune responses by regulating mRNA decay. Nature, 2009, 458, 1185-1190.	27.8	557
3	LGP2 is a positive regulator of RIG-Iâ€“ and MDA5-mediated antiviral responses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1512-1517.	7.1	540
4	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. Nature Immunology, 2006, 7, 868-874.	14.5	399
5	Sequential control of Toll-like receptorâ€“dependent responses by IRAK1 and IRAK2. Nature Immunology, 2008, 9, 684-691.	14.5	361
6	Alveolar Macrophages Are the Primary Interferon-Î± Producer in Pulmonary Infection with RNA Viruses. Immunity, 2007, 27, 240-252.	14.3	340
7	TLR9 as a key receptor for the recognition of DNAâ˜†. Advanced Drug Delivery Reviews, 2008, 60, 795-804.	13.7	296
8	Alveolar macrophageâ€“derived type I interferons orchestrate innate immunity to RSV through recruitment of antiviral monocytes. Journal of Experimental Medicine, 2015, 212, 699-714.	8.5	223
9	TLR7-dependent and FcÎ³R-independent production of type I interferon in experimental mouse lupus. Journal of Experimental Medicine, 2008, 205, 2995-3006.	8.5	199
10	Pathogen recognition by innate receptors. Journal of Infection and Chemotherapy, 2008, 14, 86-92.	1.7	187
11	A noncoding RNA produced by arthropod-borne flaviviruses inhibits the cellular exoribonuclease XRN1 and alters host mRNA stability. Rna, 2012, 18, 2029-2040.	3.5	177
12	Double-Stranded RNA of Intestinal Commensal but Not Pathogenic Bacteria Triggers Production of Protective Interferon-Î². Immunity, 2013, 38, 1187-1197.	14.3	176
13	Identification and functions of pattern-recognition receptors. Journal of Allergy and Clinical Immunology, 2010, 125, 985-992.	2.9	172
14	West Nile Virus Noncoding Subgenomic RNA Contributes to Viral Evasion of the Type I Interferon-Mediated Antiviral Response. Journal of Virology, 2012, 86, 5708-5718.	3.4	170
15	Interferon Response Factors 3 and 7 Protect against Chikungunya Virus Hemorrhagic Fever and Shock. Journal of Virology, 2012, 86, 9888-9898.	3.4	157
16	Type I Interferon Modulates Monocyte Recruitment and Maturation in Chronic Inflammation. American Journal of Pathology, 2009, 175, 2023-2033.	3.8	153
17	Involvement of the NLRP3 Inflammasome in Innate and Humoral Adaptive Immune Responses to Fungal Î²-Glucan. Journal of Immunology, 2009, 183, 8061-8067.	0.8	146
18	B cells enhance early innate immune responses during bacterial sepsis. Journal of Experimental Medicine, 2011, 208, 1673-1682.	8.5	144

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19	Plasmacytoid Dendritic Cells Delineate Immunogenicity of Influenza Vaccine Subtypes. Science Translational Medicine, 2010, 2, 25ra24.	12.4	124
20	Regulation of lipopolysaccharide-inducible genes by MyD88 and Toll/IL-1 domain containing adaptor inducing IFN-Î². Biochemical and Biophysical Research Communications, 2005, 328, 383-392.	2.1	123
21	Blockade of TLR3 protects mice from lethal radiation-induced gastrointestinal syndrome. Nature Communications, 2014, 5, 3492.	12.8	119
22	Cutting Edge: Bacterial Infection Induces Hematopoietic Stem and Progenitor Cell Expansion in the Absence of TLR Signaling. Journal of Immunology, 2010, 184, 2247-2251.	0.8	112
23	Lymphocytoid Choriomeningitis Virus Activates Plasmacytoid Dendritic Cells and Induces a Cytotoxic T-Cell Response via MyD88. Journal of Virology, 2008, 82, 196-206.	3.4	110
24	Poly I:C-Induced Activation of NK Cells by CD8Î±+ Dendritic Cells via the IPS-1 and TRIF-Dependent Pathways. Journal of Immunology, 2009, 183, 2522-2528.	0.8	100
25	NLRC5 Deficiency Does Not Influence Cytokine Induction by Virus and Bacteria Infections. Journal of Immunology, 2011, 186, 994-1000.	0.8	95
26	Genetic Analysis of Capsular Polysaccharide Synthesis Gene Clusters from All Serotypes of Streptococcus suis: Potential Mechanisms for Generation of Capsular Variation. Applied and Environmental Microbiology, 2013, 79, 2796-2806.	3.1	88
27	Cutting Edge: TLR-Dependent Viral Recognition Along with Type I IFN Positive Feedback Signaling Masks the Requirement of Viral Replication for IFN-Î± Production in Plasmacytoid Dendritic Cells. Journal of Immunology, 2009, 182, 3960-3964.	0.8	83
28	Cutting Edge: Role of TANK-Binding Kinase 1 and Inducible IÎºB Kinase in IFN Responses against Viruses in Innate Immune Cells. Journal of Immunology, 2006, 177, 5785-5789.	0.8	79
29	Nociceptors Boost the Resolution of Fungal Osteoinflammation via the TRP Channel-CGRP-Jdp2 Axis. Cell Reports, 2017, 19, 2730-2742.	6.4	75
30	RNA Sensing by Gut Piezo1 Is Essential for Systemic Serotonin Synthesis. Cell, 2020, 182, 609-624.e21.	28.9	74
31	Raman spectroscopy as a tool for label-free lymphocyte cell line discrimination. Analyst, The, 2016, 141, 3756-3764.	3.5	62
32	Eosinophil depletion suppresses radiation-induced small intestinal fibrosis. Science Translational Medicine, 2018, 10, .	12.4	58
33	VP1686, a Vibrio Type III Secretion Protein, Induces Toll-like Receptor-independent Apoptosis in Macrophage through NF-ÎºB Inhibition. Journal of Biological Chemistry, 2006, 281, 36897-36904.	3.4	55
34	IL-1Î± Modulates Neutrophil Recruitment in Chronic Inflammation Induced by Hydrocarbon Oil. Journal of Immunology, 2011, 186, 1747-1754.	0.8	55
35	Pathogenic role of B cells in the development of diffuse alveolar hemorrhage induced by pristane. Laboratory Investigation, 2011, 91, 1540-1550.	3.7	53
36	IÎºBÎ¶ is essential for natural killer cell activation in response to IL-12 and IL-18. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17680-17685.	7.1	46

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37	The ATP Transporter VNUT Mediates Induction of Dectin-1-Triggered Candida Nociception. IScience, 2018, 6, 306-318.	4.1	43
38	Prediction of dinucleotide-specific RNA-binding sites in proteins. BMC Bioinformatics, 2011, 12, S5.	2.6	38
39	Adipose-derived mesenchymal stem cells differentiate into heterogeneous cancer-associated fibroblasts in a stroma-rich xenograft model. Scientific Reports, 2021, 11, 4690.	3.3	31
40	Bone-protective Functions of Netrin 1 Protein. Journal of Biological Chemistry, 2016, 291, 23854-23868.	3.4	25
41	ACorynebacterium glutamicum rnhA recGDouble Mutant Showing Lysozyme- sensitivity, Temperature-sensitive Growth, and UV-Sensitivity. Bioscience, Biotechnology and Biochemistry, 2003, 67, 2416-2424.	1.3	24
42	Linking Transcriptional Changes over Time in Stimulated Dendritic Cells to Identify Gene Networks Activated during the Innate Immune Response. PLoS Computational Biology, 2013, 9, e1003323.	3.2	24
43	Intracellular Protein-Labeling Probes for Multicolor Single-Molecule Imaging of Immune Receptorâ€“Adaptor Molecular Dynamics. Journal of the American Chemical Society, 2017, 139, 17397-17404.	13.7	24
44	Waves of chromatin modifications in mouse dendritic cells in response to LPS stimulation. Genome Biology, 2018, 19, 138.	8.8	19
45	Selective Induction of Human Autonomic Neurons Enables Precise Control of Cardiomyocyte Beating. Scientific Reports, 2020, 10, 9464.	3.3	19
46	Microarray analysis identifies apoptosis regulatory gene expression in HCT116 cells infected with thermostable direct hemolysin-deletion mutant of Vibrio parahaemolyticus. Biochemical and Biophysical Research Communications, 2005, 335, 328-334.	2.1	18
47	Effect of Surfaceâ€Modified Gold Nanorods on the Inflammatory Cytokine Response in Macrophage Cells. Particle and Particle Systems Characterization, 2013, 30, 427-433.	2.3	18
48	Intestinal Linâ^'c-Kit+NKp46â^'CD4â^' Population Strongly Produces IL-22 upon IL-1Î² Stimulation. Journal of Immunology, 2013, 190, 5296-5305.	0.8	18
49	Microarray and gene co-expression analysis reveals that melatonin attenuates immune responses and modulates actin rearrangement in macrophages. Biochemical and Biophysical Research Communications, 2017, 485, 414-420.	2.1	18
50	Laser-targeted photofabrication of gold nanoparticles inside cells. Nature Communications, 2014, 5, 5144.	12.8	17
51	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. BMC Genomics, 2016, 17, 1032.	2.8	15
52	Fluorescent Phospholipid Analogs as Microscopic Probes for Detection of the Mycolic Acid-Containing Layer inCorynebacterium glutamicum: Detecting Alterations in the Mycolic Acid-Containing Layer Following Ethambutol Treatment. Bioscience, Biotechnology and Biochemistry, 2005, 69, 2051-2056.	1.3	12
53	A novel unbiased measure for motif co-occurrence predicts combinatorial regulation of transcription. BMC Genomics, 2012, 13, S11.	2.8	12
54	Analysis of changes in transcription start site distribution by a classification approach. Gene, 2014, 537, 29-40.	2.2	12

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55	Microarray analysis of macrophage response to infection with Streptococcus oralis reveals the immunosuppressive effect of hydrogen peroxide. Biochemical and Biophysical Research Communications, 2017, 485, 461-467.	2.1	8
56	Zinc Finger Protein St18 Protects against Septic Death by Inhibiting VEGF-A from Macrophages. Cell Reports, 2020, 32, 107906.	6.4	7
57	Nociceptor-derived Reg3Î³ prevents endotoxic death by targeting kynurenine pathway in microglia. Cell Reports, 2022, 38, 110462.	6.4	6
58	Mind Bomb Proteins in the Antiviral Arsenal. Immunity, 2011, 35, 320-322.	14.3	5
59	Stochastic binary modeling of cells in continuous time as an alternative to biochemical reaction equations. Physical Review E, 2011, 84, 062903.	2.1	4
60	A Parzen window-based approach for the detection of locally enriched transcription factor binding sites. BMC Bioinformatics, 2013, 14, 26.	2.6	4
61	Functional characterization of protein domains common to animal viruses and mouse. BMC Genomics, 2011, 12, S21.	2.8	2
62	Innate Immunity Interactome Dynamics. Gene Regulation and Systems Biology, 2014, 8, GRSB.S12850.	2.3	1
63	Estimation of diffusion constants from single molecular measurement without explicit tracking. BMC Systems Biology, 2018, 12, 15.	3.0	1
64	Optical control of cell functions: Using laser light to remote control signalling, contraction and action potentials in living cells. , 2011, , .		0
65	Requirement of the LtsA Protein for Formation of the Mycolic Acid-Containing Layer on the Cell Surface of Corynebacterium glutamicum. Microorganisms, 2021, 9, 409.	3.6	0