

Yutaro Kumagai

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

7,331
citations

94433

37
h-index

114465

63
g-index

69
all docs

69
docs citations

69
times ranked

12579
citing authors

#	ARTICLE	IF	CITATIONS
1	Nociceptor-derived Reg3 ^β prevents endotoxic death by targeting kynurenine pathway in microglia. <i>Cell Reports</i> , 2022, 38, 110462.	6.4	6
2	Requirement of the LtsA Protein for Formation of the Mycolic Acid-Containing Layer on the Cell Surface of <i>Corynebacterium glutamicum</i> . <i>Microorganisms</i> , 2021, 9, 409.	3.6	0
3	Adipose-derived mesenchymal stem cells differentiate into heterogeneous cancer-associated fibroblasts in a stroma-rich xenograft model. <i>Scientific Reports</i> , 2021, 11, 4690.	3.3	31
4	Zinc Finger Protein St18 Protects against Septic Death by Inhibiting VEGF-A from Macrophages. <i>Cell Reports</i> , 2020, 32, 107906.	6.4	7
5	Selective Induction of Human Autonomic Neurons Enables Precise Control of Cardiomyocyte Beating. <i>Scientific Reports</i> , 2020, 10, 9464.	3.3	19
6	RNA Sensing by Gut Piezo1 Is Essential for Systemic Serotonin Synthesis. <i>Cell</i> , 2020, 182, 609-624.e21.	28.9	74
7	Eosinophil depletion suppresses radiation-induced small intestinal fibrosis. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	58
8	Waves of chromatin modifications in mouse dendritic cells in response to LPS stimulation. <i>Genome Biology</i> , 2018, 19, 138.	8.8	19
9	The ATP Transporter VNUT Mediates Induction of Dectin-1-Triggered Candida Nociception. <i>Science</i> , 2018, 6, 306-318.	4.1	43
10	Estimation of diffusion constants from single molecular measurement without explicit tracking. <i>BMC Systems Biology</i> , 2018, 12, 15.	3.0	1
11	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.	2.1	8
12	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.	2.1	18
13	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.	13.7	24
14	Nociceptors Boost the Resolution of Fungal Osteoinflammation via the TRP Channel-CGRP-Jdp2 Axis. <i>Cell Reports</i> , 2017, 19, 2730-2742.	6.4	75
15	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.	2.8	15
16	Bone-protective Functions of Netrin 1 Protein. <i>Journal of Biological Chemistry</i> , 2016, 291, 23854-23868.	3.4	25
17	Raman spectroscopy as a tool for label-free lymphocyte cell line discrimination. <i>Analyst</i> , The, 2016, 141, 3756-3764.	3.5	62
18	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.	8.5	223

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19	Blockade of TLR3 protects mice from lethal radiation-induced gastrointestinal syndrome. <i>Nature Communications</i> , 2014, 5, 3492.	12.8	119
20	Innate Immunity Interactome Dynamics. <i>Gene Regulation and Systems Biology</i> , 2014, 8, GRSB.S12850.	2.3	1
21	Laser-targeted photofabrication of gold nanoparticles inside cells. <i>Nature Communications</i> , 2014, 5, 5144.	12.8	17
22	Analysis of changes in transcription start site distribution by a classification approach. <i>Gene</i> , 2014, 537, 29-40.	2.2	12
23	A Parzen window-based approach for the detection of locally enriched transcription factor binding sites. <i>BMC Bioinformatics</i> , 2013, 14, 26.	2.6	4
24	Double-Stranded RNA of Intestinal Commensal but Not Pathogenic Bacteria Triggers Production of Protective Interferon- λ 2. <i>Immunity</i> , 2013, 38, 1187-1197.	14.3	176
25	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.	2.3	18
26	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.	3.2	24
27	Intestinal Lin ⁺ c-Kit+NKp46 ⁺ CD4 ⁺ Population Strongly Produces IL-22 upon IL-1 β Stimulation. <i>Journal of Immunology</i> , 2013, 190, 5296-5305.	0.8	18
28	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, 2796-2806.	3.1	88
29	A noncoding RNA produced by arthropod-borne flaviviruses inhibits the cellular exoribonuclease XRN1 and alters host mRNA stability. <i>Rna</i> , 2012, 18, 2029-2040.	3.5	177
30	Interferon Response Factors 3 and 7 Protect against Chikungunya Virus Hemorrhagic Fever and Shock. <i>Journal of Virology</i> , 2012, 86, 9888-9898.	3.4	157
31	A novel unbiased measure for motif co-occurrence predicts combinatorial regulation of transcription. <i>BMC Genomics</i> , 2012, 13, S11.	2.8	12
32	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, 5708-5718.	3.4	170
33	Optical control of cell functions: Using laser light to remote control signalling, contraction and action potentials in living cells. , 2011, , .		0
34	Stochastic binary modeling of cells in continuous time as an alternative to biochemical reaction equations. <i>Physical Review E</i> , 2011, 84, 062903.	2.1	4
35	Mind Bomb Proteins in the Antiviral Arsenal. <i>Immunity</i> , 2011, 35, 320-322.	14.3	5
36	Prediction of dinucleotide-specific RNA-binding sites in proteins. <i>BMC Bioinformatics</i> , 2011, 12, S5.	2.6	38

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37	Functional characterization of protein domains common to animal viruses and mouse. BMC Genomics, 2011, 12, S21.	2.8	2
38	B cells enhance early innate immune responses during bacterial sepsis. Journal of Experimental Medicine, 2011, 208, 1673-1682.	8.5	144
39	NLR5 Deficiency Does Not Influence Cytokine Induction by Virus and Bacteria Infections. Journal of Immunology, 2011, 186, 994-1000.	0.8	95
40	IL-1 β Modulates Neutrophil Recruitment in Chronic Inflammation Induced by Hydrocarbon Oil. Journal of Immunology, 2011, 186, 1747-1754.	0.8	55
41	Pathogenic role of B cells in the development of diffuse alveolar hemorrhage induced by pristane. Laboratory Investigation, 2011, 91, 1540-1550.	3.7	53
42	Plasmacytoid Dendritic Cells Delineate Immunogenicity of Influenza Vaccine Subtypes. Science Translational Medicine, 2010, 2, 25ra24.	12.4	124
43	The Jmjd3-Irf4 axis regulates M2 macrophage polarization and host responses against helminth infection. Nature Immunology, 2010, 11, 936-944.	14.5	996
44	LGP2 is a positive regulator of RIG-I α 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
45	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
46	IRF1 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
47	Identification and functions of pattern-recognition receptors. Journal of Allergy and Clinical Immunology, 2010, 125, 985-992.	2.9	172
48	Cutting Edge: TLR-Dependent Viral Recognition Along with Type I IFN Positive Feedback Signaling Masks the Requirement of Viral Replication for IFN- β Production in Plasmacytoid Dendritic Cells. Journal of Immunology, 2009, 182, 3960-3964.	0.8	83
49	Involvement of the NLRP3 Inflammasome in Innate and Humoral Adaptive Immune Responses to Fungal β -Glucan. Journal of Immunology, 2009, 183, 8061-8067.	0.8	146
50	Poly I:C-Induced Activation of NK Cells by CD8 α^+ Dendritic Cells via the IPS-1 and TRIF-Dependent Pathways. Journal of Immunology, 2009, 183, 2522-2528.	0.8	100
51	Zc3h12a is an RNase essential for controlling immune responses by regulating mRNA decay. Nature, 2009, 458, 1185-1190.	27.8	557
52	Type I Interferon Modulates Monocyte Recruitment and Maturation in Chronic Inflammation. American Journal of Pathology, 2009, 175, 2023-2033.	3.8	153
53	Pathogen recognition by innate receptors. Journal of Infection and Chemotherapy, 2008, 14, 86-92.	1.7	187
54	TLR9 as a key receptor for the recognition of DNA α . Advanced Drug Delivery Reviews, 2008, 60, 795-804.	13.7	296

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55	Sequential control of Toll-like receptor-dependent responses by IRAK1 and IRAK2. <i>Nature Immunology</i> , 2008, 9, 684-691.	14.5	361
56	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.	3.4	110
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.	8.5	199
58	Alveolar Macrophages Are the Primary Interferon-β Producer in Pulmonary Infection with RNA Viruses. <i>Immunity</i> , 2007, 27, 240-252.	14.3	340
59	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. <i>Nature Immunology</i> , 2006, 7, 868-874.	14.5	399
60	Cutting Edge: Role of TANK-Binding Kinase 1 and Inducible IκB Kinase in IFN Responses against Viruses in Innate Immune Cells. <i>Journal of Immunology</i> , 2006, 177, 5785-5789.	0.8	79
61	VP1686, a <i>Vibrio</i> Type III Secretion Protein, Induces Toll-like Receptor-independent Apoptosis in Macrophage through NF-κB Inhibition. <i>Journal of Biological Chemistry</i> , 2006, 281, 36897-36904.	3.4	55
62	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, 2051-2056.	1.3	12
63	Regulation of lipopolysaccharide-inducible genes by MyD88 and Toll/IL-1 domain containing adaptor inducing IFN-β. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 383-392.	2.1	123
64	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, 328-334.	2.1	18
65	<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, 2416-2424.	1.3	24