

Dhiraj Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

6,471
citations

394421

19
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

15804
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Genome-wide Analysis of the Host Intracellular Network that Regulates Survival of <i>Mycobacterium tuberculosis</i> . <i>Cell</i> , 2010, 140, 731-743.	28.9	337
3	The Strength of Receptor Signaling Is Centrally Controlled through a Cooperative Loop between Ca ²⁺ and an Oxidant Signal. <i>Cell</i> , 2005, 121, 281-293.	28.9	188
4	Selective Autophagy and Xenophagy in Infection and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 147.	3.7	185
5	Reengineering Redox Sensitive GFP to Measure Mycothiol Redox Potential of <i>Mycobacterium tuberculosis</i> during Infection. <i>PLoS Pathogens</i> , 2014, 10, e1003902.	4.7	168
6	Identification of Host-Dependent Survival Factors for Intracellular <i>Mycobacterium tuberculosis</i> through an siRNA Screen. <i>PLoS Pathogens</i> , 2010, 6, e1000839.	4.7	99
7	<i>Mycobacterium tuberculosis</i> Inhibits RAB7 Recruitment to Selectively Modulate Autophagy Flux in Macrophages. <i>Scientific Reports</i> , 2015, 5, 16320.	3.3	93
8	Alternate splicing of transcripts shape macrophage response to <i>Mycobacterium tuberculosis</i> infection. <i>PLoS Pathogens</i> , 2017, 13, e1006236.	4.7	79
9	RNA Splicing: A New Paradigm in Host-Pathogen Interactions. <i>Journal of Molecular Biology</i> , 2019, 431, 1565-1575.	4.2	59
10	Comparative Proteomic Analyses of Avirulent, Virulent, and Clinical Strains of <i>Mycobacterium tuberculosis</i> Identify Strain-specific Patterns. <i>Journal of Biological Chemistry</i> , 2016, 291, 14257-14273.	3.4	55
11	Express Path Analysis Identifies a Tyrosine Kinase Src-centric Network Regulating Divergent Host Responses to <i>Mycobacterium tuberculosis</i> Infection. <i>Journal of Biological Chemistry</i> , 2011, 286, 40307-40319.	3.4	47
12	Selective autophagy gets more selective: Uncoupling of autophagy flux and xenophagy flux in <i>Mycobacterium tuberculosis</i> -infected macrophages. <i>Autophagy</i> , 2016, 12, 608-609.	9.1	45
13	Trehalose limits opportunistic mycobacterial survival during HIV co-infection by reversing HIV-mediated autophagy block. <i>Autophagy</i> , 2021, 17, 476-495.	9.1	39
14	Host ICAMs play a role in cell invasion by <i>Mycobacterium tuberculosis</i> and <i>Plasmodium falciparum</i> . <i>Nature Communications</i> , 2015, 6, 6049.	12.8	38
15	Regulation between survival, persistence, and elimination of intracellular mycobacteria: a nested equilibrium of delicate balances. <i>Microbes and Infection</i> , 2011, 13, 121-133.	1.9	37
16	Chemical Screening Approaches Enabling Drug Discovery of Autophagy Modulators for Biomedical Applications in Human Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 38.	3.7	37
17	Mesenchymal stem cells offer a drug-tolerant and immune-privileged niche to <i>Mycobacterium tuberculosis</i> . <i>Nature Communications</i> , 2020, 11, 3062.	12.8	33
18	Capturing cell fate decisions from the molecular signatures of a receptor-dependent signaling response. <i>Molecular Systems Biology</i> , 2007, 3, 150.	7.2	32

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19	AKT mediated glycolytic shift regulates autophagy in classically activated macrophages. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 66, 121-133.	2.8	24
20	Retinoic Acid Is Elevated in the Mucosa of Patients With Active Ulcerative Colitis and Displays a Proinflammatory Role by Augmenting IL-17 and IFN γ Production. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 74-83.	1.9	22
21	A Comprehensive Inter-Tissue Crosstalk Analysis Underlying Progression and Control of Obesity and Diabetes. <i>Scientific Reports</i> , 2015, 5, 12340.	3.3	21
22	Targeting Drug-Sensitive and -Resistant Strains of <i>Mycobacterium tuberculosis</i> by Inhibition of Src Family Kinases Lowers Disease Burden and Pathology. <i>MSphere</i> , 2016, 1, .	2.9	20
23	Integration of a Phosphatase Cascade with the Mitogen-activated Protein Kinase Pathway Provides for a Novel Signal Processing Function. <i>Journal of Biological Chemistry</i> , 2010, 285, 1296-1310.	3.4	19
24	Alternate splicing of transcripts upon <i>Mycobacterium tuberculosis</i> infection impacts the expression of functional protein domains. <i>IUBMB Life</i> , 2018, 70, 845-854.	3.4	17
25	Human Induced Pluripotent Stem Cell Models of Neurodegenerative Disorders for Studying the Biomedical Implications of Autophagy. <i>Journal of Molecular Biology</i> , 2020, 432, 2754-2798.	4.2	15
26	Ca $^{2+}$ -dependent Focal Exocytosis of Golgi-derived Vesicles Helps Phagocytic Uptake in Macrophages. <i>Journal of Biological Chemistry</i> , 2017, 292, 5144-5165.	3.4	14
27	Selective M1 macrophage polarization in granuloma-positive and granuloma-negative Crohn's disease, in comparison to intestinal tuberculosis. <i>Intestinal Research</i> , 2018, 16, 426.	2.6	13
28	Uncovering Structural and Molecular Dynamics of ESAT-6:Î2M Interaction: Asp53 of Human Î2-Microglobulin Is Critical for the ESAT-6:Î2M Complexation. <i>Journal of Immunology</i> , 2019, 203, 1918-1929.	0.8	10
29	ESAT-6 Protein of <i>Mycobacterium tuberculosis</i> Increases Holotransferrin-Mediated Iron Uptake in Macrophages by Downregulating Surface Hemochromatosis Protein HFE. <i>Journal of Immunology</i> , 2020, 205, 3095-3106.	0.8	9
30	Unraveling the Design Principle for Motif Organization in Signaling Networks. <i>PLoS ONE</i> , 2011, 6, e28606.	2.5	4
31	Molecular signatures for obesity and associated disorders identified through partial least square regression models. <i>BMC Systems Biology</i> , 2014, 8, 104.	3.0	4
32	Structural investigation on <i>SPI</i> associated <i>Salmonella typhimurium</i> <i>VirG</i> like stress protein that promotes pathogen survival in macrophages. <i>Protein Science</i> , 2022, 31, 835-849.	7.6	3
33	Cellular phosphatases facilitate combinatorial processing of receptor-activated signals. <i>BMC Research Notes</i> , 2008, 1, 81.	1.4	1
34	Autophagy as a Target for Host-Directed Therapy Against Tuberculosis. , 2021, , 71-95.		1
35	Murine models for studying immunopathogenesis in gastrointestinal lesions: How to go about it. <i>Indian Journal of Pathology and Microbiology</i> , 2021, 64, 58.	0.2	0