Dhiraj Kumar

List of Publications by Year
in descending order

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35	6,471	394421	395702
papers	citations	19	33
		h-index	g-index

38	38	38	15804
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural investigation on <scp>SPI</scp>â€6â€“associated Salmonella typhimurium<scp>VirG</scp>â€like stress protein that promotes pathogen survival in macrophages. Protein Science, 2022, 31, 835-849.	7.6	3
2	Retinoic Acid Is Elevated in the Mucosa of Patients With Active Ulcerative Colitis and Displays a Proinflammatory Role by Augmenting IL-17 and IFNÎ³ Production. Inflammatory Bowel Diseases, 2021, 27, 74-83.	1.9	22
3	Trehalose limits opportunistic mycobacterial survival during HIV co-infection by reversing HIV-mediated autophagy block. Autophagy, 2021, 17, 476-495.	9.1	39
4	Murine models for studying immunopathogenesis in gastrointestinal lesions: How to go about it. Indian Journal of Pathology and Microbiology, 2021, 64, 58.	0.2	0
5	Autophagy as a Target for Host-Directed Therapy Against Tuberculosis. , 2021, , 71-95.		1
6	Human Induced Pluripotent Stem Cell Models of Neurodegenerative Disorders for Studying the Biomedical Implications of Autophagy. Journal of Molecular Biology, 2020, 432, 2754-2798.	4.2	15
7	ESAT-6 Protein of Mycobacterium tuberculosis Increases Holotransferrin-Mediated Iron Uptake in Macrophages by Downregulating Surface Hemochromatosis Protein HFE. Journal of Immunology, 2020, 205, 3095-3106.	0.8	9
8	Mesenchymal stem cells offer a drug-tolerant and immune-privileged niche to Mycobacterium tuberculosis. Nature Communications, 2020, 11, 3062.	12.8	33
9	Chemical Screening Approaches Enabling Drug Discovery of Autophagy Modulators for Biomedical Applications in Human Diseases. Frontiers in Cell and Developmental Biology, 2019, 7, 38.	3.7	37
10	RNA Splicing: A New Paradigm in Hostâ€“Pathogen Interactions. Journal of Molecular Biology, 2019, 431, 1565-1575.	4.2	59
11	Uncovering Structural and Molecular Dynamics of ESAT-6:Î²2M Interaction: Asp53 of Human Î²2-Microglobulin Is Critical for the ESAT-6:Î²2M Complexation. Journal of Immunology, 2019, 203, 1918-1929.	0.8	10
12	Selective Autophagy and Xenophagy in Infection and Disease. Frontiers in Cell and Developmental Biology, 2018, 6, 147.	3.7	185
13	Alternate splicing of transcripts upon Mycobacterium tuberculosis infection impacts the expression of functional protein domains. IUBMB Life, 2018, 70, 845-854.	3.4	17
14	Selective M1 macrophage polarization in granuloma-positive and granuloma-negative Crohn's disease, in comparison to intestinal tuberculosis. Intestinal Research, 2018, 16, 426.	2.6	13
15	Ca2+-dependent Focal Exocytosis of Golgi-derived Vesicles Helps Phagocytic Uptake in Macrophages. Journal of Biological Chemistry, 2017, 292, 5144-5165.	3.4	14
16	Alternate splicing of transcripts shape macrophage response to Mycobacterium tuberculosis infection. PLoS Pathogens, 2017, 13, e1006236.	4.7	79
17	Targeting Drug-Sensitive and -Resistant Strains of Mycobacterium tuberculosis by Inhibition of Src Family Kinases Lowers Disease Burden and Pathology. MSphere, 2016, 1, .	2.9	20
18	Selective autophagy gets more selective: Uncoupling of autophagy flux and xenophagy flux inMycobacterium tuberculosis-infected macrophages. Autophagy, 2016, 12, 608-609.	9.1	45

#	Article	IF	Citations
19	Comparative Proteomic Analyses of Avirulent, Virulent, and Clinical Strains of Mycobacterium tuberculosis Identify Strain-specific Patterns. Journal of Biological Chemistry, 2016, 291, 14257-14273.	3.4	55
20	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
21	Mycobacterium tuberculosis Inhibits RAB7 Recruitment to Selectively Modulate Autophagy Flux in Macrophages. Scientific Reports, 2015, 5, 16320.	3.3	93
22	A Comprehensive Inter-Tissue Crosstalk Analysis Underlying Progression and Control of Obesity and Diabetes. Scientific Reports, 2015, 5, 12340.	3.3	21
23	Host ICAMs play a role in cell invasion by Mycobacterium tuberculosis and Plasmodium falciparum. Nature Communications, 2015, 6, 6049.	12.8	38
24	AKT mediated glycolytic shift regulates autophagy in classically activated macrophages. International Journal of Biochemistry and Cell Biology, 2015, 66, 121-133.	2.8	24
25	Reengineering Redox Sensitive GFP to Measure Mycothiol Redox Potential of Mycobacterium tuberculosis during Infection. PLoS Pathogens, 2014, 10, e1003902.	4.7	168
26	Molecular signatures for obesity and associated disorders identified through partial least square regression models. BMC Systems Biology, 2014, 8, 104.	3.0	4
27	Unraveling the Design Principle for Motif Organization in Signaling Networks. PLoS ONE, 2011, 6, e28606.	2.5	4
28	Regulation between survival, persistence, and elimination of intracellular mycobacteria: a nested equilibrium of delicate balances. Microbes and Infection, 2011, 13, 121-133.	1.9	37
29	Express Path Analysis Identifies a Tyrosine Kinase Src-centric Network Regulating Divergent Host Responses to Mycobacterium tuberculosis Infection. Journal of Biological Chemistry, 2011, 286, 40307-40319.	3.4	47
30	Integration of a Phosphatase Cascade with the Mitogen-activated Protein Kinase Pathway Provides for a Novel Signal Processing Function. Journal of Biological Chemistry, 2010, 285, 1296-1310.	3.4	19
31	Identification of Host-Dependent Survival Factors for Intracellular Mycobacterium tuberculosis through an siRNA Screen. PLoS Pathogens, 2010, 6, e1000839.	4.7	99
32	Genome-wide Analysis of the Host Intracellular Network that Regulates Survival of Mycobacterium tuberculosis. Cell, 2010, 140, 731-743.	28.9	337
33	Cellular phosphatases facilitate combinatorial processing of receptor-activated signals. BMC Research Notes, 2008, 1, 81.	1.4	1
34	Capturing cellâ€fate decisions from the molecular signatures of a receptorâ€dependent signaling response. Molecular Systems Biology, 2007, 3, 150.	7.2	32
35	The Strength of Receptor Signaling Is Centrally Controlled through a Cooperative Loop between Ca2+ and an Oxidant Signal. Cell, 2005, 121, 281-293.	28.9	188