Maximiliano Gabriel GutiÃ©rrez

List of Publications by Year
in descending order

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71 papers	12,119 citations	94269 37 h-index	85405 71 g-index
82 all docs	82 docs citations	82 times ranked	23202 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Autophagy Is a Defense Mechanism Inhibiting BCG and Mycobacterium tuberculosis Survival in Infected Macrophages. Cell, 2004, 119, 753-766.	13.5	1,996
3	Neutrophils sense microbe size and selectively release neutrophil extracellular traps in response to large pathogens. Nature Immunology, 2014, 15, 1017-1025.	7.0	805
4	Rab7 is required for the normal progression of the autophagic pathway in mammalian cells. Journal of Cell Science, 2004, 117, 2687-2697.	1.2	583
5	Autophagy induction favours the generation and maturation of the Coxiella-replicative vacuoles. Cellular Microbiology, 2005, 7, 981-993.	1.1	257
6	Mycobacterium tuberculosisinfection of host cells in space and time. FEMS Microbiology Reviews, 2019, 43, 341-361.	3.9	234
7	Coxiella burnetii Localizes in a Rab7-Labeled Compartment with Autophagic Characteristics. Infection and Immunity, 2002, 70, 5816-5821.	1.0	219
8	The autophagic pathway is actively modulated by phase II Coxiella burnetii to efficiently replicate in the host cell. Cellular Microbiology, 2007, 9, 891-909.	1.1	210
9	Protective role of autophagy against Vibrio cholerae cytolysin, a pore-forming toxin from V. cholerae. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1829-1834.	3.3	162
10	Phthiocerol dimycocerosates promote access to the cytosol and intracellular burden of Mycobacterium tuberculosis in lymphatic endothelial cells. BMC Biology, 2018, 16, 1.	1.7	156
11	Reactive Oxygen Species Localization Programs Inflammation to Clear Microbes of Different Size. Immunity, 2017, 46, 421-432.	6.6	145
12	LRRK2 is a negative regulator of Mycobacterium tuberculosis phagosome maturation in macrophages. EMBO Journal, 2018, 37, .	3.5	140
13	Subcellular antibiotic visualization reveals a dynamic drug reservoir in infected macrophages. Science, 2019, 364, 1279-1282.	6.0	117
14	<scp>LRRK</scp> 2 activation controls the repair of damaged endomembranes in macrophages. EMBO Journal, 2020, 39, e104494.	3.5	116
15	Dynamic life and death interactions between Mycobacterium smegmatis and J774 macrophages. Cellular Microbiology, 2006, 8, 939-960.	1.1	110
16	NF-Î²B Activation Controls Phagolysosome Fusion-Mediated Killing of Mycobacteria by Macrophages. Journal of Immunology, 2008, 181, 2651-2663.	0.4	109
17	The innate immune response in human tuberculosis. Cellular Microbiology, 2015, 17, 1277-1285.	1.1	108
18	Mycobacterium tuberculosis replicates within necrotic human macrophages. Journal of Cell Biology, 2017, 216, 583-594.	2.3	105

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19	Functional role(s) of phagosomal Rab GTPases. Small GTPases, 2013, 4, 148-158.	0.7	95
20	Rab GTPases in Immunity and Inflammation. Frontiers in Cellular and Infection Microbiology, 2017, 7, 435.	1.8	92
21	Biocompatible Magnetic Microâ€and Nanodevices: Fabrication of FePt Nanopropellers and Cell Transfection. Advanced Materials, 2020, 32, e2001114.	11.1	86
22	3D correlative light and electron microscopy of cultured cells using serial blockface scanning electron microscopy. Journal of Cell Science, 2017, 130, 278-291.	1.2	84
23	Lymphatic endothelial cells are a replicative niche for Mycobacterium tuberculosis. Journal of Clinical Investigation, 2016, 126, 1093-1108.	3.9	75
24	A Rab20-Dependent Membrane Trafficking Pathway Controls M.Âtuberculosis Replication by Regulating Phagosome Spaciousness and Integrity. Cell Host and Microbe, 2017, 21, 619-628.e5.	5.1	74
25	Mycobacterium tuberculosis requires glyoxylate shunt and reverse methylcitrate cycle for lactate and pyruvate metabolism. Molecular Microbiology, 2019, 112, 1284-1307.	1.2	74
26	Comparison of different methods for thin section EM analysis of Mycobacterium smegmatis. Journal of Microscopy, 2010, 237, 23-38.	0.8	70
27	Golgi-to-phagosome transport of acid sphingomyelinase and prosaposin is mediated by sortilin. Journal of Cell Science, 2010, 123, 2502-2511.	1.2	70
28	Progress in robotics for combating infectious diseases. Science Robotics, 2021, 6, .	9.9	67
29	The antibiotic bedaquiline activates host macrophage innate immune resistance to bacterial infection. ELife, 2020, 9, .	2.8	66
30	cAMP synthesis and degradation by phagosomes regulate actin assembly and fusion events: consequences for mycobacteria. Journal of Cell Science, 2006, 119, 3686-3694.	1.2	64
31	Lymph nodeâ€derived lymphatic endothelial cells express functional costimulatory molecules and impair dendritic cellâ€induced allogenic Tâ€cell proliferation. FASEB Journal, 2012, 26, 2835-2846.	0.2	63
32	Size-dependent mechanism of cargo sorting during lysosome-phagosome fusion is controlled by Rab34. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20485-20490.	3.3	59
33	Dendritic Cells Are Central Coordinators of the Host Immune Response to Staphylococcus aureus Bloodstream Infection. American Journal of Pathology, 2012, 181, 1327-1337.	1.9	54
34	The Two Faces of Autophagy: Coxiella and Mycobacterium. Autophagy, 2006, 2, 162-164.	4.3	49
35	Mycobacterium tuberculosis Modulates miR-106b-5p to Control Cathepsin S Expression Resulting in Higher Pathogen Survival and Poor T-Cell Activation. Frontiers in Immunology, 2017, 8, 1819.	2.2	45
36	Immune regulation of Rab proteins expression and intracellular transport. Journal of Leukocyte Biology, 2012, 92, 41-50.	1.5	42

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37	Role of lipids in killing mycobacteria by macrophages: evidence for NF-Î²B-dependent and -independent killing induced by different lipids. Cellular Microbiology, 2009, 11, 406-420.	1.1	41
38	Intracellular localisation of Mycobacterium tuberculosis affects efficacy of the antibiotic pyrazinamide. Nature Communications, 2021, 12, 3816.	5.8	39
39	Structure-Based Design of MptpB Inhibitors That Reduce Multidrug-Resistant Mycobacterium tuberculosis Survival and Infection Burden in Vivo. Journal of Medicinal Chemistry, 2018, 61, 8337-8352.	2.9	35
40	M. tuberculosisinfection of human iPSDM reveals complex membrane dynamics during xenophagy evasion. Journal of Cell Science, 2020, 134, .	1.2	33
41	Scalable and robust SARS-CoV-2 testing in an academic center. Nature Biotechnology, 2020, 38, 927-931.	9.4	32
42	LRRK2 in Infection: Friend or Foe?. ACS Infectious Diseases, 2019, 5, 809-815.	1.8	30
43	Identification of an immune regulated phagosomal Rab cascade in macrophages. Journal of Cell Science, 2014, 127, 2071-82.	1.2	29
44	Relationship Between HIV Coinfection, Interleukin 10 Production, andMycobacterium tuberculosisin Human Lymph Node Granulomas. Journal of Infectious Diseases, 2016, 214, 1309-1318.	1.9	29
45	Mycobacterium tuberculosis cords within lymphatic endothelial cells to evade host immunity. JCI Insight, 2020, 5, .	2.3	28
46	The Autophagic Pathway: A Cell Survival Strategy Against the Bacterial Pore-Forming ToxinVibrio CholeraeCytolysin. Autophagy, 2007, 3, 363-365.	4.3	27
47	Study of the in vivo role of Mce2R, the transcriptional regulator of mce2 operon in Mycobacterium tuberculosis. BMC Microbiology, 2013, 13, 200.	1.3	25
48	The proneurotrophin receptor sortilin is required for Mycobacterium tuberculosis control by macrophages. Scientific Reports, 2016, 6, 29332.	1.6	25
49	Mycobacterium bovis Requires P27 (LprG) To Arrest Phagosome Maturation and Replicate within Bovine Macrophages. Infection and Immunity, 2017, 85, .	1.0	25
50	Comparative fitness analysis of D-cycloserine resistant mutants reveals both fitness-neutral and high-fitness cost genotypes. Nature Communications, 2019, 10, 4177.	5.8	23
51	Porins facilitate nitric oxide-mediated killing of mycobacteria. Microbes and Infection, 2009, 11, 868-875.	1.0	21
52	Macrophage-specific responses to human- and animal-adaptedÂtubercle bacilli reveal pathogen and host factors drivingÂmultinucleated cell formation. PLoS Pathogens, 2021, 17, e1009410.	2.1	19
53	Autophagosomes: A Fast-Food Joint for Unexpected Guests. Autophagy, 2005, 1, 179-181.	4.3	15
54	Human stem cellâ€based models for studying hostâ€pathogen interactions. Cellular Microbiology, 2021, 23, e13335.	1.1	13

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55	Correlative light electron ion microscopy reveals in vivo localisation of bedaquiline in Mycobacterium tuberculosisâ€“infected lungs. PLoS Biology, 2020, 18, e3000879.	2.6	13
56	Immunoglobulins drive terminal maturation of splenic dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2282-2287.	3.3	12
57	Polyketide synthase (PKS) reduces fusion of Legionella pneumophila-containing vacuoles with lysosomes and contributes to bacterial competitiveness during infection. International Journal of Medical Microbiology, 2014, 304, 1169-1181.	1.5	12
58	Interferon-Î³â€“inducible Rab20 regulates endosomal morphology and EGFR degradation in macrophages. Molecular Biology of the Cell, 2015, 26, 3061-3070.	0.9	11
59	Granulomatous Inflammation in Tuberculosis and Sarcoidosis: Does the Lymphatic System Contribute to Disease?. BioEssays, 2019, 41, e1900086.	1.2	11
60	Quantitative Spatiotemporal Analysis of Phagosome Maturation in Live Cells. Methods in Molecular Biology, 2017, 1519, 169-184.	0.4	10
61	Visualizing Pyrazinamide Action by Live Single-Cell Imaging of Phagosome Acidification and Mycobacterium tuberculosis pH Homeostasis. MBio, 2022, 13, e0011722.	1.8	9
62	Internalization, phagolysosomal biogenesis and killing of mycobacteria in enucleated epithelial cells. Cellular Microbiology, 2011, 13, 1234-1249.	1.1	8
63	Spatial distribution of phagolysosomes is independent of the regulation of lysosome position by Rab34. International Journal of Biochemistry and Cell Biology, 2013, 45, 2057-2065.	1.2	8
64	Intracellular niche switching as host subversion strategy of bacterial pathogens. Current Opinion in Cell Biology, 2022, 76, 102081.	2.6	7
65	Study of Phagolysosome Biogenesis in Live Macrophages. Journal of Visualized Experiments, 2014, , .	0.2	6
66	Experimental selection of longâ€term intracellular mycobacteria. Cellular Microbiology, 2014, 16, 1425-1440.	1.1	5
67	Human Î²-Defensin 2 Induces Extracellular Accumulation of Adenosine in Escherichia coli. Antimicrobial Agents and Chemotherapy, 2013, 57, 4387-4393.	1.4	4
68	Rv2577 of Mycobacterium tuberculosis Is a Virulence Factor With Dual Phosphatase and Phosphodiesterase Functions. Frontiers in Microbiology, 2020, 11, 570794.	1.5	4
69	A sandPIT for Salmonella to play with efferosomes. Cell Host and Microbe, 2022, 30, 141-143.	5.1	3
70	Salmonella vacuole maturation: PIKfyve leads the way. EMBO Journal, 2010, 29, 1316-1317.	3.5	1
71	Coxiella burnetii Hijacks the Autophagy Pathway to Survive. , 2006, , 179-197.		0