Catherine Astarie-Dequeker

List of Publications by Year
in descending order

37 papers	3,242 citations	331670 21 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	3924 citing authors

#	Article	IF	Citations
1	Nuclear gene OPA1, encoding a mitochondrial dynamin-related protein, is mutated in dominant optic atrophy. Nature Genetics, 2000, 26, 207-210.	21.4	1,275
2	The Mannose Receptor Mediates Uptake of Pathogenic and Nonpathogenic Mycobacteria and Bypasses Bactericidal Responses in Human Macrophages. Infection and Immunity, 1999, 67, 469-477.	2.2	221
3	Evolutionary history of tuberculosis shaped by conserved mutations in the PhoPR virulence regulator. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11491-11496.	7.1	204
4	Phthiocerol Dimycocerosates of M. tuberculosis Participate in Macrophage Invasion by Inducing Changes in the Organization of Plasma Membrane Lipids. PLoS Pathogens, 2009, 5, e1000289.	4.7	200
5	ESX-1 and phthiocerol dimycocerosates ofMycobacterium tuberculosisact in concert to cause phagosomal rupture and host cell apoptosis. Cellular Microbiology, 2017, 19, e12726.	2.1	174
6	The impact of the absence of glycopeptidolipids on the ultrastructure, cell surface and cell wall properties, and phagocytosis of Mycobacterium smegmatis. Microbiology (United Kingdom), 2002, 148, 3089-3100.	1.8	116
7	Activation of the Lysosome-Associated p61Hck Isoform Triggers the Biogenesis of Podosomes. Traffic, 2005, 6, 682-694.	2.7	86
8	Mycobacteria use their surface-exposed glycolipids to infect human macrophages through a receptor-dependent process. Journal of Lipid Research, 2005, 46, 475-483.	4.2	86
9	Control of the erythrocyte free Ca2+ concentration in essential hypertension.. Hypertension, 1992, 19, 167-174.	2.7	81
10	Surface-exposed Glycopeptidolipids of Mycobacterium smegmatis Specifically Inhibit the Phagocytosis of Mycobacteria by Human Macrophages. Journal of Biological Chemistry, 2003, 278, 51291-51300.	3.4	71
11	Mycobacterium leprae Phenolglycolipid-1 Expressed by Engineered M. bovis BCG Modulates Early Interaction with Human Phagocytes. PLoS Pathogens, 2010, 6, e1001159.	4.7	71
12	Multiple deletions in the polyketide synthase gene repertoire ofMycobacterium tuberculosisreveal functional overlap of cell envelope lipids in host-pathogen interactions. Cellular Microbiology, 2014, 16, 195-213.	2.1	71
13	Trisaccharides of Phenolic Glycolipids Confer Advantages to Pathogenic Mycobacteria through Manipulation of Host-Cell Pattern-Recognition Receptors. ACS Chemical Biology, 2016, 11, 2865-2875.	3.4	55
14	Platelet cytosolic proton and free calcium concentrations in essential hypertension. Journal of Hypertension, 1989, 7, 485-491.	0.5	49
15	The conical shape of DIM lipids promotes Mycobacterium tuberculosis infection of macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25649-25658.	7.1	49
16	Playing hide-and-seek with host macrophages through the use of mycobacterial cell envelope phthiocerol dimycocerosates and phenolic glycolipids. Frontiers in Cellular and Infection Microbiology, 2014, 4, 173.	3.9	47
17	Tyrosine phosphatase MptpA of Mycobacterium tuberculosis inhibits phagocytosis and increases actin polymerization in macrophages. Research in Microbiology, 2005, 156, 1005-1013.	2.1	45
18	The protein tyrosine kinase Hck is located on lysosomal vesicles that are physically and functionally distinct from CD63-positive lysosomes in human macrophages. Journal of Cell Science, 2002, 115, 81-89.	2.0	44

#	Article	IF	Citations
19	The protein tyrosine kinase Hck is located on lysosomal vesicles that are physically and functionally distinct from CD63-positive lysosomes in human macrophages. Journal of Cell Science, 2002, 115, 81-9.	2.0	40
20	The Lipid Virulence Factors of Mycobacterium tuberculosis Exert Multilayered Control over Autophagy-Related Pathways in Infected Human Macrophages. Cells, 2020, 9, 666.	4.1	33
21	Mycobacterial Phenolic Glycolipids Selectively Disable TRIF-Dependent TLR4 Signaling in Macrophages. Frontiers in Immunology, 2018, 9, 2.	4.8	28
22	Expression of Azurophil and specific granule proteins during differentiation of NB4 cells in neutrophils. Journal of Cellular Physiology, 1998, 175, 203-210.	4.1	23
23	Phthiocerol Dimycocerosates From Mycobacterium tuberculosis Increase the Membrane Activity of Bacterial Effectors and Host Receptors. Frontiers in Cellular and Infection Microbiology, 2020, 10, 420.	3.9	23
24	In vitro inhibition by endothelins of thrombinâ€induced aggregation and Ca²⁺ mobilization in human platelets. British Journal of Pharmacology, 1992, 106, 966-971.	5.4	21
25	Inhibitory Effect of Trimetazidine on Thrombin-Induced Aggregation and Calcium Entry into Human Platelets. Journal of Cardiovascular Pharmacology, 1994, 23, 401-407.	1.9	18
26	The role of mycobacterial lipids in host pathogenesis. Drug Discovery Today Disease Mechanisms, 2010, 7, e33-e41.	0.8	15
27	Parallel in vivo experimental evolution reveals that increased stress resistance was key for the emergence of persistent tuberculosis bacilli. Nature Microbiology, 2021, 6, 1082-1093.	13.3	15
28	CR3 Engaged by PGL-I Triggers Syk-Calcineurin-NFATc to Rewire the Innate Immune Response in Leprosy. Frontiers in Immunology, 2019, 10, 2913.	4.8	13
29	Lipoarabinomannans Activate the Protein Tyrosine Kinase Hck in Human Neutrophils. Infection and Immunity, 2000, 68, 4827-4830.	2.2	12
30	Rv0180c contributes to Mycobacterium tuberculosis cell shape and to infectivity in mice and macrophages. PLoS Pathogens, 2021, 17, e1010020.	4.7	12
31	Modulation by external Ca2+ and nicardipine of Ca2+ influx and cytosolic concentration in human erythrocytes. Biochemical and Biophysical Research Communications, 1990, 173, 954-960.	2.1	10
32	Direct characterization of the Na+/H+exchanger in human platelets. FEBS Letters, 1990, 277, 235-238.	2.8	8
33	Cytosolic pH in Cultured Cardiac Myocytes and Fibroblasts From Newborn Spontaneously Hypertensive Rats. American Journal of Hypertension, 1992, 5, 281-287.	2.0	8
34	Inhibitory Effect of Trimetazidine on Thrombin-Induced Aggregation and Calcium Entry into Human Platelets. Journal of Cardiovascular Pharmacology, 1994, 23, 401-407.	1.9	5
35	Different effects of endothelinâ€3 on the Ca²⁺ discharge induced by agonists and Ca²⁺â€ATPase inhibitors in human platelets. British Journal of Pharmacology, 1995, 114, 524-530.	5.4	5
36	Endothelin-3, Ca2+ mobilization and cyclic GMP content in human platelets. European Journal of Pharmacology, 1996, 310, 67-72.	3.5	5

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37	Endothelin-3 Decreases Ca2+ Uptake in Platelet Membrane Vesicles. Journal of Cardiovascular Pharmacology, 1995, 26, S145-147.	1.9	1