

Isabelle Maridonneau-Parini

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45
papers

2,401
citations

29
h-index

47
g-index

47
ext. papers

3,021
ext. citations

7
avg, IF

4.67
L-index

#	Paper	IF	Citations
45	Matrix architecture dictates three-dimensional migration modes of human macrophages: differential involvement of proteases and podosome-like structures. <i>Journal of Immunology</i> , 2010 , 184, 1049-61	5.3	249
44	The mannose receptor mediates uptake of pathogenic and nonpathogenic mycobacteria and bypasses bactericidal responses in human macrophages. <i>Infection and Immunity</i> , 1999 , 67, 469-77	3.7	187
43	Complement receptor 3 (CD11b/CD18) mediates type I and type II phagocytosis during nonopsonic and opsonic phagocytosis, respectively. <i>Journal of Immunology</i> , 2002 , 169, 2003-9	5.3	163
42	Protrusion force microscopy reveals oscillatory force generation and mechanosensing activity of human macrophage podosomes. <i>Nature Communications</i> , 2014 , 5, 5343	17.4	134
41	Dynamics of podosome stiffness revealed by atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21016-21	11.5	122
40	Macrophage podosomes go 3D. <i>European Journal of Cell Biology</i> , 2011 , 90, 224-36	6.1	97
39	Three-dimensional migration of macrophages requires Hck for podosome organization and extracellular matrix proteolysis. <i>Blood</i> , 2010 , 115, 1444-52	2.2	93
38	Blood leukocytes and macrophages of various phenotypes have distinct abilities to form podosomes and to migrate in 3D environments. <i>European Journal of Cell Biology</i> , 2012 , 91, 938-49	6.1	89
37	Activation of the lysosome-associated p61Hck isoform triggers the biogenesis of podosomes. <i>Traffic</i> , 2005 , 6, 682-94	5.7	77
36	The process of macrophage migration promotes matrix metalloproteinase-independent invasion by tumor cells. <i>Journal of Immunology</i> , 2011 , 187, 3806-14	5.3	73
35	Podosomes in space: macrophage migration and matrix degradation in 2D and 3D settings. <i>Cell Adhesion and Migration</i> , 2014 , 8, 179-91	3.2	72
34	Tuberculosis is associated with expansion of a motile, permissive and immunomodulatory CD16(+) monocyte population via the IL-10/STAT3 axis. <i>Cell Research</i> , 2015 , 25, 1333-51	24.7	68
33	Macrophage polarization: convergence point targeted by mycobacterium tuberculosis and HIV. <i>Frontiers in Immunology</i> , 2011 , 2, 43	8.4	68
32	Extracellular proteolysis in macrophage migration: losing grip for a breakthrough. <i>European Journal of Immunology</i> , 2011 , 41, 2805-13	6.1	62
31	Macrophage mesenchymal migration requires podosome stabilization by filamin A. <i>Journal of Biological Chemistry</i> , 2012 , 287, 13051-62	5.4	60
30	An efficient siRNA-mediated gene silencing in primary human monocytes, dendritic cells and macrophages. <i>Immunology and Cell Biology</i> , 2014 , 92, 699-708	5	56
29	Hematopoietic cell kinase (Hck) isoforms and phagocyte duties - from signaling and actin reorganization to migration and phagocytosis. <i>European Journal of Cell Biology</i> , 2008 , 87, 527-42	6.1	50

28	NADPH oxidase is functionally assembled in specific granules during activation of human neutrophils. <i>Journal of Leukocyte Biology</i> , 1999 , 65, 629-34	6.5	48
27	HIV-1 reprograms the migration of macrophages. <i>Blood</i> , 2015 , 125, 1611-22	2.2	47
26	Tuberculosis Exacerbates HIV-1 Infection through IL-10/STAT3-Dependent Tunneling Nanotube Formation in Macrophages. <i>Cell Reports</i> , 2019 , 26, 3586-3599.e7	10.6	45
25	Podosome Force Generation Machinery: A Local Balance between Protrusion at the Core and Traction at the Ring. <i>ACS Nano</i> , 2017 , 11, 4028-4040	16.7	44
24	p59Hck isoform induces F-actin reorganization to form protrusions of the plasma membrane in a Cdc42- and Rac-dependent manner. <i>Journal of Biological Chemistry</i> , 2002 , 277, 21007-16	5.4	42
23	Probing the mechanical landscape - new insights into podosome architecture and mechanics. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	41
22	Hck is activated by opsonized zymosan and A23187 in distinct subcellular fractions of human granulocytes. <i>Journal of Biological Chemistry</i> , 1997 , 272, 102-9	5.4	39
21	The protein tyrosine kinase Hck is located on lysosomal vesicles that are physically and functionally distinct from CD63-positive lysosomes in human macrophages. <i>Journal of Cell Science</i> , 2002 , 115, 81-9	5.3	38
20	Bone degradation machinery of osteoclasts: An HIV-1 target that contributes to bone loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2556-E2565	11.5	35
19	Control of macrophage 3D migration: a therapeutic challenge to limit tissue infiltration. <i>Immunological Reviews</i> , 2014 , 262, 216-31	11.3	34
18	Working together: spatial synchrony in the force and actin dynamics of podosome first neighbors. <i>ACS Nano</i> , 2015 , 9, 3800-13	16.7	32
17	Frustrated phagocytosis on micro-patterned immune complexes to characterize lysosome movements in live macrophages. <i>Frontiers in Immunology</i> , 2011 , 2, 51	8.4	30
16	Rho/ROCK pathway inhibition by the CDK inhibitor p27(kip1) participates in the onset of macrophage 3D-mesenchymal migration. <i>Journal of Cell Science</i> , 2014 , 127, 4009-23	5.3	24
15	Fusion of human neutrophil phagosomes with lysosomes in vitro: involvement of tyrosine kinases of the Src family and inhibition by mycobacteria. <i>Journal of Biological Chemistry</i> , 2001 , 276, 35512-7	5.4	23
14	Podosomes, But Not the Maturation Status, Determine the Protease-Dependent 3D Migration in Human Dendritic Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 846	8.4	22
13	Expression of azurophil and specific granule proteins during differentiation of NB4 cells in neutrophils. <i>Journal of Cellular Physiology</i> , 1998 , 175, 203-10	7	21
12	HIV-1 Infection of T Lymphocytes and Macrophages Affects Their Migration via Nef. <i>Frontiers in Immunology</i> , 2015 , 6, 514	8.4	20
11	Molecular and cellular profiles of the resolution phase in a damage-associated molecular pattern (DAMP)-mediated peritonitis model and revelation of leukocyte persistence in peritoneal tissues. <i>FASEB Journal</i> , 2015 , 29, 1914-29	0.9	17

10	Tyrosine phosphorylation of Wiskott-Aldrich syndrome protein (WASP) by Hck regulates macrophage function. <i>Journal of Biological Chemistry</i> , 2014 , 289, 7897-906	5.4	17
9	Hck contributes to bone homeostasis by controlling the recruitment of osteoclast precursors. <i>FASEB Journal</i> , 2013 , 27, 3608-18	0.9	16
8	The osteoclast, a target cell for microorganisms. <i>Bone</i> , 2019 , 127, 315-323	4.7	13
7	Evaluation of the force and spatial dynamics of macrophage podosomes by multi-particle tracking. <i>Methods</i> , 2016 , 94, 75-84	4.6	12
6	Effect of intracellular oxygen-free radicals on the formation of lipid derived mediators in rat renomedullary interstitial cells. <i>Biochemical Pharmacology</i> , 1985 , 34, 4137-43	6	8
5	Nanoscale Forces during Confined Cell Migration. <i>Nano Letters</i> , 2018 , 18, 6326-6333	11.5	5
4	Cellular and molecular actors of myeloid cell fusion: podosomes and tunneling nanotubes call the tune. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 6087-6104	10.3	4
3	Genetic engineering of Hoxb8-immortalized hematopoietic progenitors - a potent tool to study macrophage tissue migration. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	1
2	Protrusion Force Microscopy: A Method to Quantify Forces Developed by Cell Protrusions. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
1	Phagocytosis is coupled to the formation of phagosome-associated podosomes and a transient disruption of podosomes in human macrophages. <i>European Journal of Cell Biology</i> , 2021 , 100, 151161	6.1	1