Isabelle Maridonneau-Parini

List of Publications by Year in Descending Order

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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	Phagocytosis is coupled to the formation of phagosome-associated podosomes and a transient disruption of podosomes in human macrophages. *European Journal of Cell Biology*, **2021**, 100, 151161	6.1	1
44	Cellular and molecular actors of myeloid cell fusion: podosomes and tunneling nanotubes call the tune. *Cellular and Molecular Life Sciences*, **2021**, 78, 6087-6104	10.3	4
43	Genetic engineering of Hoxb8-immortalized hematopoietic progenitors - a potent tool to study macrophage tissue migration. *Journal of Cell Science*, **2020**, 133,	5.3	1
42	The osteoclast, a target cell for microorganisms. *Bone*, **2019**, 127, 315-323	4.7	13
41	Tuberculosis Exacerbates HIV-1 Infection through IL-10/STAT3-Dependent Tunneling Nanotube Formation in Macrophages. *Cell Reports*, **2019**, 26, 3586-3599.e7	10.6	45
40	Probing the mechanical landscape - new insights into podosome architecture and mechanics. *Journal of Cell Science*, **2019**, 132,	5.3	41
39	Bone degradation machinery of osteoclasts: An HIV-1 target that contributes to bone loss. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E2556-E2565	11.5	35
38	Podosomes, But Not the Maturation Status, Determine the Protease-Dependent 3D Migration in Human Dendritic Cells. *Frontiers in Immunology*, **2018**, 9, 846	8.4	22
37	Protrusion Force Microscopy: A Method to Quantify Forces Developed by Cell Protrusions. *Journal of Visualized Experiments*, **2018**,	1.6	1
36	Nanoscale Forces during Confined Cell Migration. *Nano Letters*, **2018**, 18, 6326-6333	11.5	5
35	Podosome Force Generation Machinery: A Local Balance between Protrusion at the Core and Traction at the Ring. *ACS Nano*, **2017**, 11, 4028-4040	16.7	44
34	Evaluation of the force and spatial dynamics of macrophage podosomes by multi-particle tracking. *Methods*, **2016**, 94, 75-84	4.6	12
33	HIV-1 reprograms the migration of macrophages. *Blood*, **2015**, 125, 1611-22	2.2	47
32	Working together: spatial synchrony in the force and actin dynamics of podosome first neighbors. *ACS Nano*, **2015**, 9, 3800-13	16.7	32
31	Tuberculosis is associated with expansion of a motile, permissive and immunomodulatory CD16(+) monocyte population via the IL-10/STAT3 axis. *Cell Research*, **2015**, 25, 1333-51	24.7	68
30	HIV-1 Infection of T Lymphocytes and Macrophages Affects Their Migration via Nef. *Frontiers in Immunology*, **2015**, 6, 514	8.4	20
29	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. *FASEB Journal*, **2015**, 29, 1914-29	0.9	17

28	Protrusion force microscopy reveals oscillatory force generation and mechanosensing activity of human macrophage podosomes. *Nature Communications*, **2014**, 5, 5343	17.4	134
27	Rho/ROCK pathway inhibition by the CDK inhibitor p27(kip1) participates in the onset of macrophage 3D-mesenchymal migration. *Journal of Cell Science*, **2014**, 127, 4009-23	5.3	24
26	An efficient siRNA-mediated gene silencing in primary human monocytes, dendritic cells and macrophages. *Immunology and Cell Biology*, **2014**, 92, 699-708	5	56
25	Tyrosine phosphorylation of Wiskott-Aldrich syndrome protein (WASP) by Hck regulates macrophage function. *Journal of Biological Chemistry*, **2014**, 289, 7897-906	5.4	17
24	Control of macrophage 3D migration: a therapeutic challenge to limit tissue infiltration. *Immunological Reviews*, **2014**, 262, 216-31	11.3	34
23	Podosomes in space: macrophage migration and matrix degradation in 2D and 3D settings. *Cell Adhesion and Migration*, **2014**, 8, 179-91	3.2	72
22	Hck contributes to bone homeostasis by controlling the recruitment of osteoclast precursors. *FASEB Journal*, **2013**, 27, 3608-18	0.9	16
21	Blood leukocytes and macrophages of various phenotypes have distinct abilities to form podosomes and to migrate in 3D environments. *European Journal of Cell Biology*, **2012**, 91, 938-49	6.1	89
20	Macrophage mesenchymal migration requires podosome stabilization by filamin A. *Journal of Biological Chemistry*, **2012**, 287, 13051-62	5.4	60
19	Frustrated phagocytosis on micro-patterned immune complexes to characterize lysosome movements in live macrophages. *Frontiers in Immunology*, **2011**, 2, 51	8.4	30
18	Macrophage podosomes go 3D. *European Journal of Cell Biology*, **2011**, 90, 224-36	6.1	97
17	Extracellular proteolysis in macrophage migration: losing grip for a breakthrough. *European Journal of Immunology*, **2011**, 41, 2805-13	6.1	62
16	Macrophage polarization: convergence point targeted by mycobacterium tuberculosis and HIV. *Frontiers in Immunology*, **2011**, 2, 43	8.4	68
15	The process of macrophage migration promotes matrix metalloproteinase-independent invasion by tumor cells. *Journal of Immunology*, **2011**, 187, 3806-14	5.3	73
14	Dynamics of podosome stiffness revealed by atomic force microscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21016-21	11.5	122
13	Matrix architecture dictates three-dimensional migration modes of human macrophages: differential involvement of proteases and podosome-like structures. *Journal of Immunology*, **2010**, 184, 1049-61	5.3	249
12	Three-dimensional migration of macrophages requires Hck for podosome organization and extracellular matrix proteolysis. *Blood*, **2010**, 115, 1444-52	2.2	93
11	Hematopoietic cell kinase (Hck) isoforms and phagocyte duties - from signaling and actin reorganization to migration and phagocytosis. *European Journal of Cell Biology*, **2008**, 87, 527-42	6.1	50

10	Activation of the lysosome-associated p61Hck isoform triggers the biogenesis of podosomes. *Traffic*, **2005**, 6, 682-94	5.7	77
9	Complement receptor 3 (CD11b/CD18) mediates type I and type II phagocytosis during nonopsonic and opsonic phagocytosis, respectively. *Journal of Immunology*, **2002**, 169, 2003-9	5.3	163
8	p59Hck isoform induces F-actin reorganization to form protrusions of the plasma membrane in a Cdc42- and Rac-dependent manner. *Journal of Biological Chemistry*, **2002**, 277, 21007-16	5.4	42
7	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	5.3	38
6	Fusion of human neutrophil phagosomes with lysosomes in vitro: involvement of tyrosine kinases of the Src family and inhibition by mycobacteria. *Journal of Biological Chemistry*, **2001**, 276, 35512-7	5.4	23
5	NADPH oxidase is functionally assembled in specific granules during activation of human neutrophils. *Journal of Leukocyte Biology*, **1999**, 65, 629-34	6.5	48
4	The mannose receptor mediates uptake of pathogenic and nonpathogenic mycobacteria and bypasses bactericidal responses in human macrophages. *Infection and Immunity*, **1999**, 67, 469-77	3.7	187
3	Expression of azurophil and specific granule proteins during differentiation of NB4 cells in neutrophils. *Journal of Cellular Physiology*, **1998**, 175, 203-10	7	21
2	Hck is activated by opsonized zymosan and A23187 in distinct subcellular fractions of human granulocytes. *Journal of Biological Chemistry*, **1997**, 272, 102-9	5.4	39
1	Effect of intracellular oxygen-free radicals on the formation of lipid derived mediators in rat renomedullary interstitial cells. *Biochemical Pharmacology*, **1985**, 34, 4137-43	6	8