

Isabelle Maridonneau-Parini

List of Publications by Year in descending order

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45
papers

3,251
citations

147566

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223531

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docs citations

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times ranked

3881
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1049-1061.	0.4	309
2	The Mannose Receptor Mediates Uptake of Pathogenic and Nonpathogenic Mycobacteria and Bypasses Bactericidal Responses in Human Macrophages. <i>Infection and Immunity</i> , 1999, 67, 469-477.	1.0	221
3	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, 2003-2009.	0.4	191
4	Protrusion force microscopy reveals oscillatory force generation and mechanosensing activity of human macrophage podosomes. <i>Nature Communications</i> , 2014, 5, 5343.	5.8	176
5	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, 21016-21021.	3.3	152
6	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, 938-949.	1.6	127
7	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, 1333-1351.	5.7	127
8	Macrophage podosomes go 3D. <i>European Journal of Cell Biology</i> , 2011, 90, 224-236.	1.6	122
9	Three-dimensional migration of macrophages requires Hck for podosome organization and extracellular matrix proteolysis. <i>Blood</i> , 2010, 115, 1444-1452.	0.6	116
10	Macrophage polarization: convergence point targeted by Mycobacterium tuberculosis and HIV. <i>Frontiers in Immunology</i> , 2011, 2, 43.	2.2	115
11	Podosomes in space. <i>Cell Adhesion and Migration</i> , 2014, 8, 179-191.	1.1	108
12	An efficient siRNA-mediated gene silencing in primary human monocytes, dendritic cells and macrophages. <i>Immunology and Cell Biology</i> , 2014, 92, 699-708.	1.0	94
13	The Process of Macrophage Migration Promotes Matrix Metalloproteinase-Independent Invasion by Tumor Cells. <i>Journal of Immunology</i> , 2011, 187, 3806-3814.	0.4	93
14	Activation of the Lysosome-Associated p61Hck Isoform Triggers the Biogenesis of Podosomes. <i>Traffic</i> , 2005, 6, 682-694.	1.3	86
15	HIV-1 reprograms the migration of macrophages. <i>Blood</i> , 2015, 125, 1611-1622.	0.6	82
16	Extracellular proteolysis in macrophage migration: Losing grip for a breakthrough. <i>European Journal of Immunology</i> , 2011, 41, 2805-2813.	1.6	80
17	Macrophage Mesenchymal Migration Requires Podosome Stabilization by Filamin A. <i>Journal of Biological Chemistry</i> , 2012, 287, 13051-13062.	1.6	78
18	Tuberculosis Exacerbates HIV-1 Infection through IL-10/STAT3-Dependent Tunneling Nanotube Formation in Macrophages. <i>Cell Reports</i> , 2019, 26, 3586-3599.e7.	2.9	76

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19	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.	7.3	72
20	Probing the mechanical landscape – new insights into podosome architecture and mechanics. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	66
21	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, 527-542.	1.6	61
22	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.	3.3	56
23	NADPH oxidase is functionally assembled in specific granules during activation of human neutrophils. <i>Journal of Leukocyte Biology</i> , 1999, 65, 629-634.	1.5	55
24	Control of macrophage 3D migration: a therapeutic challenge to limit tissue infiltration. <i>Immunological Reviews</i> , 2014, 262, 216-231.	2.8	52
25	Working Together: Spatial Synchrony in the Force and Actin Dynamics of Podosome First Neighbors. <i>ACS Nano</i> , 2015, 9, 3800-3813.	7.3	49
26	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, 21007-21016.	1.6	48
27	Hck Is Activated by Opsonized Zymosan and A23187 in Distinct Subcellular Fractions of Human Granulocytes. <i>Journal of Biological Chemistry</i> , 1997, 272, 102-109.	1.6	44
28	Rho/ROCK pathway inhibition by CDK inhibitor p27kip1 participates in the onset of macrophage 3D-mesenchymal migration. <i>Journal of Cell Science</i> , 2014, 127, 4009-23.	1.2	43
29	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.	1.2	40
30	Frustrated phagocytosis on micro-patterned immune complexes to characterize lysosome movements in live macrophages. <i>Frontiers in Immunology</i> , 2011, 2, 51.	2.2	39
31	Podosomes, But Not the Maturation Status, Determine the Protease-Dependent 3D Migration in Human Dendritic Cells. <i>Frontiers in Immunology</i> , 2018, 9, 846.	2.2	37
32	Fusion of Human Neutrophil Phagosomes with Lysosomes in Vitro. <i>Journal of Biological Chemistry</i> , 2001, 276, 35512-35517.	1.6	30
33	Tyrosine Phosphorylation of Wiskott-Aldrich Syndrome Protein (WASP) by Hck Regulates Macrophage Function. <i>Journal of Biological Chemistry</i> , 2014, 289, 7897-7906.	1.6	29
34	Hck contributes to bone homeostasis by controlling the recruitment of osteoclast precursors. <i>FASEB Journal</i> , 2013, 27, 3608-3618.	0.2	28
35	HIV-1 Infection of T Lymphocytes and Macrophages Affects Their Migration via Nef. <i>Frontiers in Immunology</i> , 2015, 6, 514.	2.2	25
36	Expression of Azurophil and specific granule proteins during differentiation of NB4 cells in neutrophils. <i>Journal of Cellular Physiology</i> , 1998, 175, 203-210.	2.0	23

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37	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, 1914-1929.	0.2	21
38	The osteoclast, a target cell for microorganisms. <i>Bone</i> , 2019, 127, 315-323.	1.4	20
39	Evaluation of the force and spatial dynamics of macrophage podosomes by multi-particle tracking. <i>Methods</i> , 2016, 94, 75-84.	1.9	15
40	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.	2.4	12
41	Effect of intracellular oxygen-free radicals on the formation of lipid derived mediators in rat renomedullary interstitial cells. <i>Biochemical Pharmacology</i> , 1985, 34, 4137-4143.	2.0	8
42	Genetic engineering of Hoxb8-immortalized hematopoietic progenitors – a potent tool to study macrophage tissue migration. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	8
43	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.	1.6	8
44	Nanoscale Forces during Confined Cell Migration. <i>Nano Letters</i> , 2018, 18, 6326-6333.	4.5	6
45	Protrusion Force Microscopy: A Method to Quantify Forces Developed by Cell Protrusions. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1