AndrÃ©s Hidalgo

List of Publications by Year
in descending order

135 papers	14,837 citations	25034 57 h-index	20358 116 g-index
137 all docs	137 docs citations	137 times ranked	19490 citing authors

#	Article	IF	Citations
1	A hypoxic ride for neutrophils in PDAC. Gut, 2023, 72, 817-818.	12.1	2
2	Delayed alveolar clearance of nanoparticles through control of coating composition and interaction with lung surfactant protein A. Materials Science and Engineering C, 2022, 134, 112551.	7.3	9
3	Behavioural immune landscapes of inflammation. Nature, 2022, 601, 415-421.	27.8	53
4	ACME: Automatic feature extraction for cell migration examination through intravital microscopy imaging. Medical Image Analysis, 2022, 77, 102358.	11.6	8
5	Macrophages, Metabolism and Heterophagy in the Heart. Circulation Research, 2022, 130, 418-431.	4.5	21
6	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. Cell Metabolism, 2022, 34, 533-548.e12.	16.2	91
7	ICAPâ€1 loss impairs CD8 ⁺ thymocyte development and leads to reduced marginal zone B cells in mice. European Journal of Immunology, 2022, , .	2.9	0
8	Neutrophil phenotypes and functions in cancer: A consensus statement. Journal of Experimental Medicine, 2022, 219, .	8.5	119
9	Measuring Circadian Neutrophil Infiltration in Tissues by Paired Whole-Mount Tissue Clearing and Flow Cytometry. Methods in Molecular Biology, 2022, , 265-284.	0.9	2
10	In Vivo Imaging of Circadian NET Formation During Lung Injury by Four-Dimensional Intravital Microscopy. Methods in Molecular Biology, 2022, , 285-300.	0.9	1
11	Immune riders on the cardiac STORM. , 2022, 1, 603-604.		0
12	Human influenza A virus causes myocardial and cardiac-specific conduction system infections associated with early inflammation and premature death. Cardiovascular Research, 2021, 117, 876-889.	3.8	27
13	How to bridle a neutrophil. Current Opinion in Immunology, 2021, 68, 41-47.	5.5	9
14	Liposome induction of CD8+ T cell responses depends on CD169+ macrophages and Batf3-dependent dendritic cells and is enhanced by GM3 inclusion. Journal of Controlled Release, 2021, 331, 309-320.	9.9	15
15	Isolation of exophers from cardiomyocyte-reporter mouse strains by fluorescence-activated cell sorting. STAR Protocols, 2021, 2, 100286.	1.2	5
16	Combined statistical modeling enables accurate mining of circadian transcription. NAR Genomics and Bioinformatics, 2021, 3, lqab031.	3.2	6
17	Neutrophil subtypes shape HIV-specific CD8 T-cell responses after vaccinia virus infection. Npj Vaccines, 2021, 6, 52.	6.0	6
18	Platelets orchestrate the resolution of pulmonary inflammation in mice by T reg cell repositioning and macrophage education. Journal of Experimental Medicine, 2021, 218, .	8.5	30

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19	Patients with COVID-19: in the dark-NETs of neutrophils. Cell Death and Differentiation, 2021, 28, 3125-3139.	11.2	189
20	Distinct transcription factor networks control neutrophil-driven inflammation. Nature Immunology, 2021, 22, 1093-1106.	14.5	83
21	Single-cell profiling of CNS border compartment leukocytes reveals that B cells and their progenitors reside in non-diseased meninges. Nature Neuroscience, 2021, 24, 1225-1234.	14.8	103
22	In memory of Paul Sylvain Frenette, a pioneering explorer of the hematopoietic stem cell niche who left far too early. Experimental Hematology, 2021, , .	0.4	0
23	In memory of a game-changing haematologist. Nature, 2021, 597, 31-31.	27.8	0
24	Molecular and biophysical mechanisms behind the enhancement of lung surfactant function during controlled therapeutic hypothermia. Scientific Reports, 2021, 11, 728.	3.3	11
25	Circadian immune circuits. Journal of Experimental Medicine, 2021, 218, .	8.5	32
26	Paul S. Frenette (1965â€“2021). Nature Cell Biology, 2021, 23, 1049-1050.	10.3	0
27	Dimensions of neutrophil life and fate. Seminars in Immunology, 2021, 57, 101506.	5.6	20
28	Melanoma-derived small extracellular vesicles induce lymphangiogenesis and metastasis through an NGFR-dependent mechanism. Nature Cancer, 2021, 2, 1387-1405.	13.2	83
29	Fibrin sparks inflammation in the oral mucosa. Science, 2021, 374, 1559-1560.	12.6	2
30	Programmed â€˜disarmingâ€™ of the neutrophil proteome reduces the magnitude of inflammation. Nature Immunology, 2020, 21, 135-144.	14.5	180
31	Co-option of Neutrophil Fates by Tissue Environments. Cell, 2020, 183, 1282-1297.e18.	28.9	246
32	Thrombo-tag, an in vivo formed nanotracer for the detection of thrombi in mice by fast pre-targeted molecular imaging. Nanoscale, 2020, 12, 22978-22987.	5.6	9
33	Essential Roles of Cohesin STAG2 in Mouse Embryonic Development and Adult Tissue Homeostasis. Cell Reports, 2020, 32, 108014.	6.4	33
34	A NET-thrombosis axis in COVID-19. Blood, 2020, 136, 1118-1119.	1.4	25
35	A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart. Cell, 2020, 183, 94-109.e23.	28.9	360
36	Immunity: Neutrophil Quorum at the Wound. Current Biology, 2020, 30, R828-R830.	3.9	7

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37	Combinatorial Single-Cell Analyses of Granulocyte-Monocyte Progenitor Heterogeneity Reveals an Early Uni-potent Neutrophil Progenitor. Immunity, 2020, 53, 303-318.e5.	14.3	153
38	Mitochondrial Adaptations in the Growing Heart. Trends in Endocrinology and Metabolism, 2020, 31, 308-319.	7.1	16
39	Emerging roles of infiltrating granulocytes and monocytes in homeostasis. Cellular and Molecular Life Sciences, 2020, 77, 3823-3830.	5.4	12
40	Circadian Features of Neutrophil Biology. Frontiers in Immunology, 2020, 11, 576.	4.8	57
41	Neutrophil infiltration regulates clock-gene expression to organize daily hepatic metabolism. ELife, 2020, 9, .	6.0	26
42	Locally renewing resident synovial macrophages provide a protective barrier for the joint. Nature, 2019, 572, 670-675.	27.8	345
43	Role of TLR4 (Toll-Like Receptor 4) in N1/N2 Neutrophil Programming After Stroke. Stroke, 2019, 50, 2922-2932.	2.0	106
44	A Neutrophil Timer Coordinates Immune Defense and Vascular Protection. Immunity, 2019, 50, 390-402.e10.	14.3	258
45	The Neutrophil Life Cycle. Trends in Immunology, 2019, 40, 584-597.	6.8	265
46	BMAL1-Driven Tissue Clocks Respond Independently to Light to Maintain Homeostasis. Cell, 2019, 177, 1436-1447.e12.	28.9	107
47	Externalized histone H4 orchestrates chronic inflammation by inducing lytic cell death. Nature, 2019, 569, 236-240.	27.8	268
48	Neutrophils as regulators of the hematopoietic niche. Blood, 2019, 133, 2140-2148.	1.4	40
49	Leducq Transatlantic Network on Clonal Hematopoiesis and Atherosclerosis. Circulation Research, 2019, 124, 481-483.	4.5	5
50	Heterogeneity of neutrophils. Nature Reviews Immunology, 2019, 19, 255-265.	22.7	416
51	Editorial: Leukocyte Trafficking in Homeostasis and Disease. Frontiers in Immunology, 2019, 10, 2560.	4.8	5
52	CD45 expression discriminates waves of embryonic megakaryocytes in the mouse. Haematologica, 2019, 104, 1853-1865.	3.5	8
53	To NET or not to NET:current opinions and state of the science regarding the formation of neutrophil extracellular traps. Cell Death and Differentiation, 2019, 26, 395-408.	11.2	295
54	Developmental Analysis of Bone Marrow Neutrophils Reveals Populations Specialized in Expansion, Trafficking, and Effector Functions. Immunity, 2018, 48, 364-379.e8.	14.3	450

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55	Neutrophils as effectors of vascular inflammation. European Journal of Clinical Investigation, 2018, 48, e12940.	3.4	41
56	Macrophage Inflammation, Erythrophagocytosis, and Accelerated Atherosclerosis in Jak2 ^{V617F} Mice. Circulation Research, 2018, 123, e35-e47.	4.5	173
57	Neutrophils instruct homeostatic and pathological states in naive tissues. Journal of Experimental Medicine, 2018, 215, 2778-2795.	8.5	200
58	Chrono-pharmacological Targeting of the CCL2-CCR2 Axis Ameliorates Atherosclerosis. Cell Metabolism, 2018, 28, 175-182.e5.	16.2	139
59	Specialized functions of resident macrophages in brain and heart. Journal of Leukocyte Biology, 2018, 104, 743-756.	3.3	24
60	Estrogen Receptor-Alpha (ESR1) Governs the Lower Female Reproductive Tract Vulnerability to Candida albicans. Frontiers in Immunology, 2018, 9, 1033.	4.8	22
61	T Cells Prevent Hemorrhagic Transformation in Ischemic Stroke by P-Selectin Binding. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1761-1771.	2.4	38
62	Neutrophils in Homeostasis, Immunity, and Cancer. Immunity, 2017, 46, 15-28.	14.3	320
63	Neutrophils set the bone marrow on fire. Blood, 2017, 129, 540-542.	1.4	2
64	Phagocytosis imprints heterogeneity in tissue-resident macrophages. Journal of Experimental Medicine, 2017, 214, 1281-1296.	8.5	219
65	Neutrophil stunning by metoprolol reduces infarct size. Nature Communications, 2017, 8, 14780.	12.8	148
66	Circadian Control of Inflammatory Processes in Atherosclerosis and Its Complications. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1022-1028.	2.4	46
67	Atypical chemokine receptor 1 on nucleated erythroid cells regulates hematopoiesis. Nature Immunology, 2017, 18, 753-761.	14.5	76
68	Neutrophils as protagonists and targets in chronic inflammation. Nature Reviews Immunology, 2017, 17, 248-261.	22.7	409
69	Neutrophils acROSs the Enemy Lines. Immunity, 2017, 46, 335-337.	14.3	2
70	In vivo imaging of lung inflammation with neutrophil-specific 68Ga nano-radiotracer. Scientific Reports, 2017, 7, 13242.	3.3	37
71	Enhanced anti-tumour immunity requires the interplay between resident and circulating memory CD8+ T cells. Nature Communications, 2017, 8, 16073.	12.8	222
72	Platelets as autonomous drones for hemostatic and immune surveillance. Journal of Experimental Medicine, 2017, 214, 2193-2204.	8.5	70

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73	Secreted protein Del-1 regulates myelopoiesis in the hematopoietic stem cell niche. Journal of Clinical Investigation, 2017, 127, 3624-3639.	8.2	78
74	Aging: A Temporal Dimension for Neutrophils. Trends in Immunology, 2016, 37, 334-345.	6.8	150
75	Neutrophil heterogeneity: implications for homeostasis and pathogenesis. Blood, 2016, 127, 2173-2181.	1.4	347
76	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. Journal of Experimental Medicine, 2016, 213, 2293-2314.	8.5	108
77	p38Î³ and p38Î´ reprogram liver metabolism by modulating neutrophil infiltration. EMBO Journal, 2016, 35, 536-552.	7.8	61
78	Endothelial Jag1-RBPJ signalling promotes inflammatory leucocyte recruitment and atherosclerosis. Cardiovascular Research, 2016, 112, 568-580.	3.8	49
79	Angiogenin Defines Heterogeneity at the Core of the Hematopoietic Niche. Cell Stem Cell, 2016, 19, 284-286.	11.1	1
80	Directed transport of neutrophil-derived extracellular vesicles enables platelet-mediated innate immune response. Nature Communications, 2016, 7, 13464.	12.8	143
81	Evaluation of the potential therapeutic benefits of macrophage reprogramming in multiple myeloma. Blood, 2016, 128, 2241-2252.	1.4	54
82	Bidirectional dialog in the haematopoietic niche. Cell Cycle, 2016, 15, 1027-1028.	2.6	1
83	In vivo adhesion of malignant B cells to bone marrow microvasculature is regulated by Î±4Î²1 cytoplasmic-binding proteins. Leukemia, 2016, 30, 861-872.	7.2	26
84	Haematopoietic ESL-1 enables stem cell proliferation in the bone marrow by limiting TGFÎ² availability. Nature Communications, 2016, 7, 10222.	12.8	16
85	Sex Hormones Coordinate Neutrophil Immunity in the Vagina by Controlling Chemokine Gradients. Journal of Infectious Diseases, 2016, 213, 476-484.	4.0	33
86	Multicellular cuddling in a stem cell niche. Cell Adhesion and Migration, 2015, 9, 280-282.	2.7	0
87	Activated Platelets Jam Up the Plaque. Circulation Research, 2015, 116, 557-559.	4.5	4
88	Regulation of leucocyte homeostasis in the circulation. Cardiovascular Research, 2015, 107, 340-351.	3.8	79
89	Bone Marrow Transplantation in Mice to Study the Role of Hematopoietic Cells in Atherosclerosis. Methods in Molecular Biology, 2015, 1339, 323-332.	0.9	6
90	Nuclear Receptors and Clearance of Apoptotic Cells: Stimulating the MacrophageÃ¢â‚¬â„¢s Appetite. Frontiers in Immunology, 2014, 5, 211.	4.8	28

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91	Neutrophils scan for activated platelets to initiate inflammation. Science, 2014, 346, 1234-1238.	12.6	516
92	High-Resolution Imaging of Intravascular Atherogenic Inflammation in Live Mice. Circulation Research, 2014, 114, 770-779.	4.5	74
93	Brief Report: Reduced Expression of CD18 Leads to the In Vivo Expansion of Hematopoietic Stem Cells in Mouse Bone Marrow. Stem Cells, 2014, 32, 2794-2798.	3.2	13
94	Innate immune cells as homeostatic regulators of the hematopoietic niche. International Journal of Hematology, 2014, 99, 685-694.	1.6	18
95	The nuclear receptor LXRÎ± controls the functional specialization of splenic macrophages. Nature Immunology, 2013, 14, 831-839.	14.5	147
96	Sphingosineâ€1â€phosphate activates chemokineâ€promoted myeloma cell adhesion and migration involving Î±4Î²1 integrin function. Journal of Pathology, 2013, 229, 36-48.	4.5	30
97	Rhythmic Modulation of the Hematopoietic Niche through Neutrophil Clearance. Cell, 2013, 153, 1025-1035.	28.9	555
98	Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. Journal of Experimental Medicine, 2013, 210, 2321-2336.	8.5	190
99	Coordinated and unique functions of the E-selectin ligand ESL-1 during inflammatory and hematopoietic recruitment in mice. Blood, 2013, 122, 3993-4001.	1.4	31
100	Intravenous Immunoglobulins Modulate Neutrophil Activation and Vascular Injury Through FcÎ³RIII and SHP-1. Circulation Research, 2012, 110, 1057-1066.	4.5	40
101	Physiological Contribution of CD44 as a Ligand for E-Selectin during Inflammatory T-Cell Recruitment. American Journal of Pathology, 2011, 178, 2437-2446.	3.8	43
102	Monocytes control natural killer cell differentiation to effector phenotypes. Blood, 2011, 117, 4511-4518.	1.4	80
103	Leukocyte ligands for endothelial selectins: specialized glycoconjugates that mediate rolling and signaling under flow. Blood, 2011, 118, 6743-6751.	1.4	390
104	Bone marrow CD169+ macrophages promote the retention of hematopoietic stem and progenitor cells in the mesenchymal stem cell niche. Journal of Experimental Medicine, 2011, 208, 261-271.	8.5	732
105	Heterotypic interactions enabled by polarized neutrophil microdomains mediate thromboinflammatory injury. Nature Medicine, 2009, 15, 384-391.	30.7	307
106	When integrins fail to integrate. Nature Medicine, 2009, 15, 249-250.	30.7	7
107	Hematopoietic stem cell homing: The long, winding and adhesive road to the bone marow. Inmunologia (Barcelona, Spain: 1987), 2008, 27, 22-35.	0.1	3
108	Contributions of Immune Cells to Vascular Occlusion in Sickle Cell Disease.. Blood, 2008, 112, sci-44-sci-44.	1.4	1

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109	Transfusion-Related Acute Lung Injury (TRALI) Requires Heterotypic Interactions of Platelets with Specific Neutrophil Microdomains. Blood, 2008, 112, 288-288.	1.4	0
110	Complete Identification of E-Selectin Ligands on Neutrophils Reveals Distinct Functions of PSGL-1, ESL-1, and CD44. Immunity, 2007, 26, 477-489.	14.3	264
111	Leukocyte Podosomes Sense Their Way through the Endothelium. Immunity, 2007, 26, 753-755.	14.3	18
112	Imaging receptor microdomains on leukocyte subsets in live mice. Nature Methods, 2007, 4, 219-222.	19.0	79
113	Sickle Cell Vaso-Occlusion Is Triggered by E-Selectin Ligand Signaling and Propagated by the Leukocyte Integrin Mac-1.. Blood, 2007, 110, 145-145.	1.4	2
114	Signals from the Sympathetic Nervous System Regulate Hematopoietic Stem Cell Egress from Bone Marrow. Cell, 2006, 124, 407-421.	28.9	1,211
115	Alloantigen-presenting plasmacytoid dendritic cells mediate tolerance to vascularized grafts. Nature Immunology, 2006, 7, 652-662.	14.5	589
116	Real-Time Identification of Leukocyte Subsets and Cell Surface Receptor Microdomains in the Microvasculature of Wild-Type and Sickle Cell Mice In Vivo.. Blood, 2006, 108, 1229-1229.	1.4	0
117	ESL-1 Is a Major Physiological Leukocyte Ligand for E-Selectin That Cooperates with PSGL-1 and CD44, and Together Mediate All Binding Activity to Endothelial Selectins In Vivo.. Blood, 2006, 108, 1787-1787.	1.4	0
118	CD44 is a physiological E-selectin ligand on neutrophils. Journal of Experimental Medicine, 2005, 201, 1183-1189.	8.5	177
119	Enforced fucosylation of neonatal CD34+ cells generates selectin ligands that enhance the initial interactions with microvessels but not homing to bone marrow. Blood, 2005, 105, 567-575.	1.4	52
120	Integrin Î±4Î²1 involvement in stromal cell-derived factor-1Î±-promoted myeloma cell transendothelial migration and adhesion: role of cAMP and the actin cytoskeleton in adhesion. Experimental Cell Research, 2004, 294, 571-580.	2.6	71
121	The integrin Î±MÎ²2 anchors hematopoietic progenitors in the bone marrow during enforced mobilization. Blood, 2004, 104, 993-1001.	1.4	41
122	Integrin Î±4Î²7 and its counterreceptor MAdCAM-1 contribute to hematopoietic progenitor recruitment into bone marrow following transplantation. Blood, 2004, 104, 2020-2026.	1.4	76
123	Galactocerebrosides, Essential for Hematopoietic Progenitor Mobilization, Regulate SDF-1 (CXCL12)-Mediated Attraction to Bone.. Blood, 2004, 104, 665-665.	1.4	6
124	Rapid Up-Regulation of Î±4 Integrin-mediated Leukocyte Adhesion by Transforming Growth Factor-Î²1. Molecular Biology of the Cell, 2003, 14, 54-66.	2.1	27
125	PSGL-1 participates in E-selectinâ€“mediated progenitor homing to bone marrow: evidence for cooperation between E-selectin ligands and Î±4 integrin. Blood, 2003, 102, 2060-2067.	1.4	170
126	Insights into leukocyte adhesion deficiency type 2 from a novel mutation in the GDP-fucose transporter gene. Blood, 2003, 101, 1705-1712.	1.4	95

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127	CD44-Mediated Hematopoietic Progenitor Cell Adhesion and Its Complex Role in Myelopoiesis. Journal of Hematotherapy and Stem Cell Research, 2002, 11, 539-547.	1.8	9
128	The Chemokine Stromal Cell-Derived Factor-1Î± Modulates Î±4Î²7 Integrin-Mediated Lymphocyte Adhesion to Mucosal Addressin Cell Adhesion Molecule-1 and Fibronectin. Journal of Immunology, 2002, 168, 5268-5277.	0.8	73
129	Functional selectin ligands mediating human CD34+ cell interactions with bone marrow endothelium are enhanced postnatally. Journal of Clinical Investigation, 2002, 110, 559-569.	8.2	106
130	Functional selectin ligands mediating human CD34+ cell interactions with bone marrow endothelium are enhanced postnatally. Journal of Clinical Investigation, 2002, 110, 559-569.	8.2	45
131	Chemokine stromal cell-derived factor-1Î± modulates VLA-4 integrin-mediated multiple myeloma cell adhesion to CS-1/fibronectin and VCAM-1. Blood, 2001, 97, 346-351.	1.4	228
132	Chemokine stromal cell-derived factor-1Î± modulates VLA-4 integrin-dependent adhesion to fibronectin and VCAM-1 on bone marrow hematopoietic progenitor cells. Experimental Hematology, 2001, 29, 345-355.	0.4	109
133	Selective eosinophil transendothelial migration triggered by eotaxin via modulation of Mac-1/ICAM-1 and VLA-4/VCAM-1 interactions. International Immunology, 1999, 11, 1-10.	4.0	85
134	Differential Use of Very Late Antigen-4 and -5 Integrins by Hematopoietic Precursors and Myeloma Cells to Adhere to Transforming Growth Factor-Î²1-treated Bone Marrow Stroma. Journal of Biological Chemistry, 1998, 273, 12056-12060.	3.4	28
135	Characterization of TGF-beta1-binding proteins in human bone marrow stromal cells. British Journal of Haematology, 1996, 93, 507-514.	2.5	49