

Andrés Hidalgo

List of Publications by Year in descending order

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Version: 2024-02-01

135
papers

14,837
citations

24978

57
h-index

20307

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. <i>Gut</i> , 2023, 72, 817-818.	6.1	2
2	Delayed alveolar clearance of nanoparticles through control of coating composition and interaction with lung surfactant protein A. <i>Materials Science and Engineering C</i> , 2022, 134, 112551.	3.8	9
3	Behavioural immune landscapes of inflammation. <i>Nature</i> , 2022, 601, 415-421.	13.7	53
4	ACME: Automatic feature extraction for cell migration examination through intravital microscopy imaging. <i>Medical Image Analysis</i> , 2022, 77, 102358.	7.0	8
5	Macrophages, Metabolism and Heterophagy in the Heart. <i>Circulation Research</i> , 2022, 130, 418-431.	2.0	21
6	Ejection of damaged mitochondria and their removal by macrophages ensure efficient thermogenesis in brown adipose tissue. <i>Cell Metabolism</i> , 2022, 34, 533-548.e12.	7.2	91
7	ICAP α 1 loss impairs CD8 ⁺ thymocyte development and leads to reduced marginal zone B cells in mice. <i>European Journal of Immunology</i> , 2022, , .	1.6	0
8	Neutrophil phenotypes and functions in cancer: A consensus statement. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	119
9	Measuring Circadian Neutrophil Infiltration in Tissues by Paired Whole-Mount Tissue Clearing and Flow Cytometry. <i>Methods in Molecular Biology</i> , 2022, , 265-284.	0.4	2
10	In Vivo Imaging of Circadian NET Formation During Lung Injury by Four-Dimensional Intravital Microscopy. <i>Methods in Molecular Biology</i> , 2022, , 285-300.	0.4	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. <i>Cardiovascular Research</i> , 2021, 117, 876-889.	1.8	27
13	How to bridle a neutrophil. <i>Current Opinion in Immunology</i> , 2021, 68, 41-47.	2.4	9
14	Liposome induction of CD8 ⁺ T cell responses depends on CD169 ⁺ macrophages and Batf3-dependent dendritic cells and is enhanced by GM3 inclusion. <i>Journal of Controlled Release</i> , 2021, 331, 309-320.	4.8	15
15	Isolation of exophers from cardiomyocyte-reporter mouse strains by fluorescence-activated cell sorting. <i>STAR Protocols</i> , 2021, 2, 100286.	0.5	5
16	Combined statistical modeling enables accurate mining of circadian transcription. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab031.	1.5	6
17	Neutrophil subtypes shape HIV-specific CD8 T-cell responses after vaccinia virus infection. <i>Npj Vaccines</i> , 2021, 6, 52.	2.9	6
18	Platelets orchestrate the resolution of pulmonary inflammation in mice by T reg cell repositioning and macrophage education. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	30

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19	Patients with COVID-19: in the dark-NETs of neutrophils. <i>Cell Death and Differentiation</i> , 2021, 28, 3125-3139.	5.0	189
20	Distinct transcription factor networks control neutrophil-driven inflammation. <i>Nature Immunology</i> , 2021, 22, 1093-1106.	7.0	83
21	Single-cell profiling of CNS border compartment leukocytes reveals that B cells and their progenitors reside in non-diseased meninges. <i>Nature Neuroscience</i> , 2021, 24, 1225-1234.	7.1	103
22	In memory of Paul Sylvain Frenette, a pioneering explorer of the hematopoietic stem cell niche who left far too early. <i>Experimental Hematology</i> , 2021, , .	0.2	0
23	In memory of a game-changing haematologist. <i>Nature</i> , 2021, 597, 31-31.	13.7	0
24	Molecular and biophysical mechanisms behind the enhancement of lung surfactant function during controlled therapeutic hypothermia. <i>Scientific Reports</i> , 2021, 11, 728.	1.6	11
25	Circadian immune circuits. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	32
26	Paul S. Frenette (1965–2021). <i>Nature Cell Biology</i> , 2021, 23, 1049-1050.	4.6	0
27	Dimensions of neutrophil life and fate. <i>Seminars in Immunology</i> , 2021, 57, 101506.	2.7	20
28	Melanoma-derived small extracellular vesicles induce lymphangiogenesis and metastasis through an NGFR-dependent mechanism. <i>Nature Cancer</i> , 2021, 2, 1387-1405.	5.7	83
29	Fibrin sparks inflammation in the oral mucosa. <i>Science</i> , 2021, 374, 1559-1560.	6.0	2
30	Programmed “disarming” of the neutrophil proteome reduces the magnitude of inflammation. <i>Nature Immunology</i> , 2020, 21, 135-144.	7.0	180
31	Co-option of Neutrophil Fates by Tissue Environments. <i>Cell</i> , 2020, 183, 1282-1297.e18.	13.5	246
32	Thrombo-tag, an <i>in vivo</i> formed nanotracer for the detection of thrombi in mice by fast pre-targeted molecular imaging. <i>Nanoscale</i> , 2020, 12, 22978-22987.	2.8	9
33	Essential Roles of Cohesin STAG2 in Mouse Embryonic Development and Adult Tissue Homeostasis. <i>Cell Reports</i> , 2020, 32, 108014.	2.9	33
34	A NET-thrombosis axis in COVID-19. <i>Blood</i> , 2020, 136, 1118-1119.	0.6	25
35	A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart. <i>Cell</i> , 2020, 183, 94-109.e23.	13.5	360
36	Immunity: Neutrophil Quorum at the Wound. <i>Current Biology</i> , 2020, 30, R828-R830.	1.8	7

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37	Combinatorial Single-Cell Analyses of Granulocyte-Monocyte Progenitor Heterogeneity Reveals an Early Uni-potent Neutrophil Progenitor. <i>Immunity</i> , 2020, 53, 303-318.e5.	6.6	153
38	Mitochondrial Adaptations in the Growing Heart. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 308-319.	3.1	16
39	Emerging roles of infiltrating granulocytes and monocytes in homeostasis. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3823-3830.	2.4	12
40	Circadian Features of Neutrophil Biology. <i>Frontiers in Immunology</i> , 2020, 11, 576.	2.2	57
41	Neutrophil infiltration regulates clock-gene expression to organize daily hepatic metabolism. <i>ELife</i> , 2020, 9, .	2.8	26
42	Locally renewing resident synovial macrophages provide a protective barrier for the joint. <i>Nature</i> , 2019, 572, 670-675.	13.7	345
43	Role of TLR4 (Toll-Like Receptor 4) in N1/N2 Neutrophil Programming After Stroke. <i>Stroke</i> , 2019, 50, 2922-2932.	1.0	106
44	A Neutrophil Timer Coordinates Immune Defense and Vascular Protection. <i>Immunity</i> , 2019, 50, 390-402.e10.	6.6	258
45	The Neutrophil Life Cycle. <i>Trends in Immunology</i> , 2019, 40, 584-597.	2.9	265
46	BMAL1-Driven Tissue Clocks Respond Independently to Light to Maintain Homeostasis. <i>Cell</i> , 2019, 177, 1436-1447.e12.	13.5	107
47	Externalized histone H4 orchestrates chronic inflammation by inducing lytic cell death. <i>Nature</i> , 2019, 569, 236-240.	13.7	268
48	Neutrophils as regulators of the hematopoietic niche. <i>Blood</i> , 2019, 133, 2140-2148.	0.6	40
49	Leducq Transatlantic Network on Clonal Hematopoiesis and Atherosclerosis. <i>Circulation Research</i> , 2019, 124, 481-483.	2.0	5
50	Heterogeneity of neutrophils. <i>Nature Reviews Immunology</i> , 2019, 19, 255-265.	10.6	416
51	Editorial: Leukocyte Trafficking in Homeostasis and Disease. <i>Frontiers in Immunology</i> , 2019, 10, 2560.	2.2	5
52	CD45 expression discriminates waves of embryonic megakaryocytes in the mouse. <i>Haematologica</i> , 2019, 104, 1853-1865.	1.7	8
53	To NET or not to NET:current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019, 26, 395-408.	5.0	295
54	Developmental Analysis of Bone Marrow Neutrophils Reveals Populations Specialized in Expansion, Trafficking, and Effector Functions. <i>Immunity</i> , 2018, 48, 364-379.e8.	6.6	450

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55	Neutrophils as effectors of vascular inflammation. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12940.	1.7	41
56	Macrophage Inflammation, Erythrophagocytosis, and Accelerated Atherosclerosis in <i>Jak2^{fl/fl}V617F</i> Mice. <i>Circulation Research</i> , 2018, 123, e35-e47.	2.0	173
57	Neutrophils instruct homeostatic and pathological states in naive tissues. <i>Journal of Experimental Medicine</i> , 2018, 215, 2778-2795.	4.2	200
58	Chrono-pharmacological Targeting of the CCL2-CCR2 Axis Ameliorates Atherosclerosis. <i>Cell Metabolism</i> , 2018, 28, 175-182.e5.	7.2	139
59	Specialized functions of resident macrophages in brain and heart. <i>Journal of Leukocyte Biology</i> , 2018, 104, 743-756.	1.5	24
60	Estrogen Receptor-Alpha (ESR1) Governs the Lower Female Reproductive Tract Vulnerability to <i>Candida albicans</i> . <i>Frontiers in Immunology</i> , 2018, 9, 1033.	2.2	22
61	T Cells Prevent Hemorrhagic Transformation in Ischemic Stroke by P-Selectin Binding. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1761-1771.	1.1	38
62	Neutrophils in Homeostasis, Immunity, and Cancer. <i>Immunity</i> , 2017, 46, 15-28.	6.6	320
63	Neutrophils set the bone marrow on fire. <i>Blood</i> , 2017, 129, 540-542.	0.6	2
64	Phagocytosis imprints heterogeneity in tissue-resident macrophages. <i>Journal of Experimental Medicine</i> , 2017, 214, 1281-1296.	4.2	219
65	Neutrophil stunning by metoprolol reduces infarct size. <i>Nature Communications</i> , 2017, 8, 14780.	5.8	148
66	Circadian Control of Inflammatory Processes in Atherosclerosis and Its Complications. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1022-1028.	1.1	46
67	Atypical chemokine receptor 1 on nucleated erythroid cells regulates hematopoiesis. <i>Nature Immunology</i> , 2017, 18, 753-761.	7.0	76
68	Neutrophils as protagonists and targets in chronic inflammation. <i>Nature Reviews Immunology</i> , 2017, 17, 248-261.	10.6	409
69	Neutrophils acROs the Enemy Lines. <i>Immunity</i> , 2017, 46, 335-337.	6.6	2
70	In vivo imaging of lung inflammation with neutrophil-specific ⁶⁸ Ga nano-radiotracer. <i>Scientific Reports</i> , 2017, 7, 13242.	1.6	37
71	Enhanced anti-tumour immunity requires the interplay between resident and circulating memory CD8 ⁺ T cells. <i>Nature Communications</i> , 2017, 8, 16073.	5.8	222
72	Platelets as autonomous drones for hemostatic and immune surveillance. <i>Journal of Experimental Medicine</i> , 2017, 214, 2193-2204.	4.2	70

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73	Secreted protein Del-1 regulates myelopoiesis in the hematopoietic stem cell niche. <i>Journal of Clinical Investigation</i> , 2017, 127, 3624-3639.	3.9	78
74	Aging: A Temporal Dimension for Neutrophils. <i>Trends in Immunology</i> , 2016, 37, 334-345.	2.9	150
75	Neutrophil heterogeneity: implications for homeostasis and pathogenesis. <i>Blood</i> , 2016, 127, 2173-2181.	0.6	347
76	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. <i>Journal of Experimental Medicine</i> , 2016, 213, 2293-2314.	4.2	108
77	p38 ^{̂3} and p38 [̂] reprogram liver metabolism by modulating neutrophil infiltration. <i>EMBO Journal</i> , 2016, 35, 536-552.	3.5	61
78	Endothelial Jag1-RBPJ signalling promotes inflammatory leucocyte recruitment and atherosclerosis. <i>Cardiovascular Research</i> , 2016, 112, 568-580.	1.8	49
79	Angiogenin Defines Heterogeneity at the Core of the Hematopoietic Niche. <i>Cell Stem Cell</i> , 2016, 19, 284-286.	5.2	1
80	Directed transport of neutrophil-derived extracellular vesicles enables platelet-mediated innate immune response. <i>Nature Communications</i> , 2016, 7, 13464.	5.8	143
81	Evaluation of the potential therapeutic benefits of macrophage reprogramming in multiple myeloma. <i>Blood</i> , 2016, 128, 2241-2252.	0.6	54
82	Bidirectional dialog in the haematopoietic niche. <i>Cell Cycle</i> , 2016, 15, 1027-1028.	1.3	1
83	In vivo adhesion of malignant B cells to bone marrow microvasculature is regulated by $\hat{1}\pm 4\hat{1}^21$ cytoplasmic-binding proteins. <i>Leukemia</i> , 2016, 30, 861-872.	3.3	26
84	Haematopoietic ESL-1 enables stem cell proliferation in the bone marrow by limiting TGF ^{̂2} availability. <i>Nature Communications</i> , 2016, 7, 10222.	5.8	16
85	Sex Hormones Coordinate Neutrophil Immunity in the Vagina by Controlling Chemokine Gradients. <i>Journal of Infectious Diseases</i> , 2016, 213, 476-484.	1.9	33
86	Multicellular cuddling in a stem cell niche. <i>Cell Adhesion and Migration</i> , 2015, 9, 280-282.	1.1	0
87	Activated Platelets Jam Up the Plaque. <i>Circulation Research</i> , 2015, 116, 557-559.	2.0	4
88	Regulation of leucocyte homeostasis in the circulation. <i>Cardiovascular Research</i> , 2015, 107, 340-351.	1.8	79
89	Bone Marrow Transplantation in Mice to Study the Role of Hematopoietic Cells in Atherosclerosis. <i>Methods in Molecular Biology</i> , 2015, 1339, 323-332.	0.4	6
90	Nuclear Receptors and Clearance of Apoptotic Cells: Stimulating the Macrophage's Appetite. <i>Frontiers in Immunology</i> , 2014, 5, 211.	2.2	28

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91	Neutrophils scan for activated platelets to initiate inflammation. <i>Science</i> , 2014, 346, 1234-1238.	6.0	516
92	High-Resolution Imaging of Intravascular Atherogenic Inflammation in Live Mice. <i>Circulation Research</i> , 2014, 114, 770-779.	2.0	74
93	Brief Report: Reduced Expression of CD18 Leads to the In Vivo Expansion of Hematopoietic Stem Cells in Mouse Bone Marrow. <i>Stem Cells</i> , 2014, 32, 2794-2798.	1.4	13
94	Innate immune cells as homeostatic regulators of the hematopoietic niche. <i>International Journal of Hematology</i> , 2014, 99, 685-694.	0.7	18
95	The nuclear receptor LXR α controls the functional specialization of splenic macrophages. <i>Nature Immunology</i> , 2013, 14, 831-839.	7.0	147
96	Sphingosine-1-phosphate activates chemokine-promoted myeloma cell adhesion and migration involving β 4 \int 1 integrin function. <i>Journal of Pathology</i> , 2013, 229, 36-48.	2.1	30
97	Rhythmic Modulation of the Hematopoietic Niche through Neutrophil Clearance. <i>Cell</i> , 2013, 153, 1025-1035.	13.5	555
98	Neutrophil mobilization via plerixafor-mediated CXCR4 inhibition arises from lung demargination and blockade of neutrophil homing to the bone marrow. <i>Journal of Experimental Medicine</i> , 2013, 210, 2321-2336.	4.2	190
99	Coordinated and unique functions of the E-selectin ligand ESL-1 during inflammatory and hematopoietic recruitment in mice. <i>Blood</i> , 2013, 122, 3993-4001.	0.6	31
100	Intravenous Immunoglobulins Modulate Neutrophil Activation and Vascular Injury Through Fc γ RIII and SHP-1. <i>Circulation Research</i> , 2012, 110, 1057-1066.	2.0	40
101	Physiological Contribution of CD44 as a Ligand for E-Selectin during Inflammatory T-Cell Recruitment. <i>American Journal of Pathology</i> , 2011, 178, 2437-2446.	1.9	43
102	Monocytes control natural killer cell differentiation to effector phenotypes. <i>Blood</i> , 2011, 117, 4511-4518.	0.6	80
103	Leukocyte ligands for endothelial selectins: specialized glycoconjugates that mediate rolling and signaling under flow. <i>Blood</i> , 2011, 118, 6743-6751.	0.6	390
104	Bone marrow CD169+ macrophages promote the retention of hematopoietic stem and progenitor cells in the mesenchymal stem cell niche. <i>Journal of Experimental Medicine</i> , 2011, 208, 261-271.	4.2	732
105	Heterotypic interactions enabled by polarized neutrophil microdomains mediate thromboinflammatory injury. <i>Nature Medicine</i> , 2009, 15, 384-391.	15.2	307
106	When integrins fail to integrate. <i>Nature Medicine</i> , 2009, 15, 249-250.	15.2	7
107	Hematopoietic stem cell homing: The long, winding and adhesive road to the bone marrow. <i>Immunologia (Barcelona, Spain: 1987)</i> , 2008, 27, 22-35.	0.1	3
108	Contributions of Immune Cells to Vascular Occlusion in Sickle Cell Disease.. <i>Blood</i> , 2008, 112, sci-44-sci-44.	0.6	1

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109	Transfusion-Related Acute Lung Injury (TRALI) Requires Heterotypic Interactions of Platelets with Specific Neutrophil Microdomains. <i>Blood</i> , 2008, 112, 288-288.	0.6	0
110	Complete Identification of E-Selectin Ligands on Neutrophils Reveals Distinct Functions of PSGL-1, ESL-1, and CD44. <i>Immunity</i> , 2007, 26, 477-489.	6.6	264
111	Leukocyte Podosomes Sense Their Way through the Endothelium. <i>Immunity</i> , 2007, 26, 753-755.	6.6	18
112	Imaging receptor microdomains on leukocyte subsets in live mice. <i>Nature Methods</i> , 2007, 4, 219-222.	9.0	79
113	Sickle Cell Vaso-Occlusion Is Triggered by E-Selectin Ligand Signaling and Propagated by the Leukocyte Integrin Mac-1. <i>Blood</i> , 2007, 110, 145-145.	0.6	2
114	Signals from the Sympathetic Nervous System Regulate Hematopoietic Stem Cell Egress from Bone Marrow. <i>Cell</i> , 2006, 124, 407-421.	13.5	1,211
115	Alloantigen-presenting plasmacytoid dendritic cells mediate tolerance to vascularized grafts. <i>Nature Immunology</i> , 2006, 7, 652-662.	7.0	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. <i>Blood</i> , 2006, 108, 1229-1229.	0.6	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. <i>Blood</i> , 2006, 108, 1787-1787.	0.6	0
118	CD44 is a physiological E-selectin ligand on neutrophils. <i>Journal of Experimental Medicine</i> , 2005, 201, 1183-1189.	4.2	177
119	Enforced fucosylation of neonatal CD34+ cells generates selectin ligands that enhance the initial interactions with microvessels but not homing to bone marrow. <i>Blood</i> , 2005, 105, 567-575.	0.6	52
120	Integrin $\alpha 4 \beta 1$ involvement in stromal cell-derived factor-1 α -promoted myeloma cell transendothelial migration and adhesion: role of cAMP and the actin cytoskeleton in adhesion. <i>Experimental Cell Research</i> , 2004, 294, 571-580.	1.2	71
121	The integrin $\alpha M \beta 2$ anchors hematopoietic progenitors in the bone marrow during enforced mobilization. <i>Blood</i> , 2004, 104, 993-1001.	0.6	41
122	Integrin $\alpha 4 \beta 7$ and its counterreceptor MAdCAM-1 contribute to hematopoietic progenitor recruitment into bone marrow following transplantation. <i>Blood</i> , 2004, 104, 2020-2026.	0.6	76
123	Galactocerebrosides, Essential for Hematopoietic Progenitor Mobilization, Regulate SDF-1 (CXCL12)-Mediated Attraction to Bone. <i>Blood</i> , 2004, 104, 665-665.	0.6	6
124	Rapid Up-Regulation of $\alpha 4$ Integrin-mediated Leukocyte Adhesion by Transforming Growth Factor- $\beta 1$. <i>Molecular Biology of the Cell</i> , 2003, 14, 54-66.	0.9	27
125	PSGL-1 participates in E-selectin-mediated progenitor homing to bone marrow: evidence for cooperation between E-selectin ligands and $\alpha 4$ integrin. <i>Blood</i> , 2003, 102, 2060-2067.	0.6	170
126	Insights into leukocyte adhesion deficiency type 2 from a novel mutation in the GDP-fucose transporter gene. <i>Blood</i> , 2003, 101, 1705-1712.	0.6	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-1 α Modulates α 4 β 7 Integrin-Mediated Lymphocyte Adhesion to Mucosal Addressin Cell Adhesion Molecule-1 and Fibronectin. Journal of Immunology, 2002, 168, 5268-5277.	0.4	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.	3.9	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.	3.9	45
131	Chemokine stromal cell-derived factor-1 α modulates VLA-4 integrin-mediated multiple myeloma cell adhesion to CS-1/fibronectin and VCAM-1. Blood, 2001, 97, 346-351.	0.6	228
132	Chemokine stromal cell-derived factor-1 α modulates VLA-4 integrin-dependent adhesion to fibronectin and VCAM-1 on bone marrow hematopoietic progenitor cells. Experimental Hematology, 2001, 29, 345-355.	0.2	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.	1.8	85
134	Differential Use of Very Late Antigen-4 and -5 Integrins by Hematopoietic Precursors and Myeloma Cells to Adhere to Transforming Growth Factor- β 1-treated Bone Marrow Stroma. Journal of Biological Chemistry, 1998, 273, 12056-12060.	1.6	28
135	Characterization of TGF-beta1-binding proteins in human bone marrow stromal cells. British Journal of Haematology, 1996, 93, 507-514.	1.2	49