Jeffrey W Pollard

List of Publications by Year
in descending order

134	48,876	10389 72	12272 133
papers	citations	h-index	g-index

151	151	151	50460
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Macrophage Diversity Enhances Tumor Progression and Metastasis. Cell, 2010, 141, 39-51.	28.9	4,106
2	Macrophage biology in development, homeostasis and disease. Nature, 2013, 496, 445-455.	27.8	3,541
3	Microenvironmental regulation of metastasis. Nature Reviews Cancer, 2009, 9, 239-252.	28.4	3,157
4	Tumor-Associated Macrophages: From Mechanisms to Therapy. Immunity, 2014, 41, 49-61.	14.3	3,060
5	Tumour-educated macrophages promote tumour progression and metastasis. Nature Reviews Cancer, 2004, 4, 71-78.	28.4	2,971
6	Macrophages: Obligate Partners for Tumor Cell Migration, Invasion, and Metastasis. Cell, 2006, 124, 263-266.	28.9	2,377
7	CCL2 recruits inflammatory monocytes to facilitate breast-tumour metastasis. Nature, 2011, 475, 222-225.	27.8	2,286
8	A Lineage of Myeloid Cells Independent of Myb and Hematopoietic Stem Cells. Science, 2012, 336, 86-90.	12.6	2,084
9	Distinct Role of Macrophages in Different Tumor Microenvironments. Cancer Research, 2006, 66, 605-612.	0.9	1,922
10	Colony-Stimulating Factor 1 Promotes Progression of Mammary Tumors to Malignancy. Journal of Experimental Medicine, 2001, 193, 727-740.	8.5	1,454
11	Targeting macrophages: therapeutic approaches in cancer. Nature Reviews Drug Discovery, 2018, 17, 887-904.	46.4	1,246
12	Trophic macrophages in development and disease. Nature Reviews Immunology, 2009, 9, 259-270.	22.7	1,028
13	A Paracrine Loop between Tumor Cells and Macrophages Is Required for Tumor Cell Migration in Mammary Tumors. Cancer Research, 2004, 64, 7022-7029.	0.9	1,019
14	Immune cell promotion of metastasis. Nature Reviews Immunology, 2015, 15, 73-86.	22.7	967
15	Direct Visualization of Macrophage-Assisted Tumor Cell Intravasation in Mammary Tumors. Cancer Research, 2007, 67, 2649-2656.	0.9	940
16	Progression to Malignancy in the Polyoma Middle T Oncoprotein Mouse Breast Cancer Model Provides a Reliable Model for Human Diseases. American Journal of Pathology, 2003, 163, 2113-2126.	3.8	912
17	Macrophages Regulate the Angiogenic Switch in a Mouse Model of Breast Cancer. Cancer Research, 2006, 66, 11238-11246.	0.9	909
18	Human Tumor-Associated Macrophage and Monocyte Transcriptional Landscapes Reveal Cancer-Specific Reprogramming, Biomarkers, and Therapeutic Targets. Cancer Cell, 2019, 35, 588-602.e10.	16.8	636

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19	A macrophage colony-stimulating factor receptorâ€“green fluorescent protein transgene is expressed throughout the mononuclear phagocyte system of the mouse. Blood, 2003, 101, 1155-1163.	1.4	605
20	A Distinct Macrophage Population Mediates Metastatic Breast Cancer Cell Extravasation, Establishment and Growth. PLoS ONE, 2009, 4, e6562.	2.5	553
21	CCL2-induced chemokine cascade promotes breast cancer metastasis by enhancing retention of metastasis-associated macrophages. Journal of Experimental Medicine, 2015, 212, 1043-1059.	8.5	520
22	Apparent role of the macrophage growth factor, CSF-1, in placental development. Nature, 1987, 330, 484-486.	27.8	514
23	Real-Time Imaging Reveals Local, Transient Vascular Permeability, and Tumor Cell Intravasation Stimulated by TIE2hi Macrophageâ€“Derived VEGFA. Cancer Discovery, 2015, 5, 932-943.	9.4	474
24	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	7.2	429
25	Tumor-Associated Macrophages Press the Angiogenic Switch in Breast Cancer: Figure 1.. Cancer Research, 2007, 67, 5064-5066.	0.9	402
26	Chemotherapy elicits pro-metastatic extracellular vesicles in breast cancer models. Nature Cell Biology, 2019, 21, 190-202.	10.3	384
27	Perivascular M2 Macrophages Stimulate Tumor Relapse after Chemotherapy. Cancer Research, 2015, 75, 3479-3491.	0.9	375
28	GM-CSF Controls Nonlymphoid Tissue Dendritic Cell Homeostasis but Is Dispensable for the Differentiation of Inflammatory Dendritic Cells. Immunity, 2012, 36, 1031-1046.	14.3	365
29	Macrophages define the invasive microenvironment in breast cancer. Journal of Leukocyte Biology, 2008, 84, 623-630.	3.3	362
30	Macrophage Wnt7b is critical for kidney repair and regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4194-4199.	7.1	352
31	Diverse Functions of Macrophages in Different Tumor Microenvironments. Cancer Research, 2018, 78, 5492-5503.	0.9	313
32	Recruitment of monocytes/macrophages by tissue factor-mediated coagulation is essential for metastatic cell survival and premetastatic niche establishment in mice. Blood, 2012, 119, 3164-3175.	1.4	298
33	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. Nature Cell Biology, 2011, 13, 1202-1213.	10.3	272
34	Genomic Profiling of MicroRNAs and Messenger RNAs Reveals Hormonal Regulation in MicroRNA Expression in Human Endometrium1. Biology of Reproduction, 2010, 82, 791-801.	2.7	259
35	The macrophage growth factor CSF-1 in mammary gland development and tumor progression. Journal of Mammary Gland Biology and Neoplasia, 2002, 7, 147-162.	2.7	246
36	Macrophages promote collagen fibrillogenesis around terminal end buds of the developing mammary gland. Developmental Dynamics, 2006, 235, 3222-3229.	1.8	246

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37	Regulation of angiogenesis by a non-canonical Wntâ€“Flt1 pathway in myeloid cells. Nature, 2011, 474, 511-515.	27.8	244
38	Central nervous system regeneration is driven by microglia necroptosis and repopulation. Nature Neuroscience, 2019, 22, 1046-1052.	14.8	215
39	Gene Expression Analysis of Macrophages That Facilitate Tumor Invasion Supports a Role for Wnt-Signaling in Mediating Their Activity in Primary Mammary Tumors. Journal of Immunology, 2010, 184, 702-712.	0.8	208
40	A Novel Mouse Model of Inflammatory Bowel Disease Links Mammalian Target of Rapamycin-Dependent Hyperproliferation of Colonic Epithelium to Inflammation-Associated Tumorigenesis. American Journal of Pathology, 2010, 176, 952-967.	3.8	202
41	Rescue of the colony-stimulating factor 1 (CSF-1)â€“nullizygous mouse (Csf1op/Csf1op) phenotype with a CSF-1 transgene and identification of sites of local CSF-1 synthesis. Blood, 2001, 98, 74-84.	1.4	201
42	The trophoblast is a component of the innate immune system during pregnancy. Nature Medicine, 2000, 6, 589-593.	30.7	200
43	High-Density Gene Expression Analysis of Tumor-Associated Macrophages from Mouse Mammary Tumors. American Journal of Pathology, 2009, 174, 1048-1064.	3.8	194
44	The Multifaceted Role of Perivascular Macrophages in Tumors. Cancer Cell, 2016, 30, 18-25.	16.8	194
45	Macrophage-derived extracellular vesicle-packaged WNTs rescue intestinal stem cells and enhance survival after radiation injury. Nature Communications, 2016, 7, 13096.	12.8	190
46	A Unidirectional Transition from Migratory to Perivascular Macrophage Is Required for Tumor Cell Intravasation. Cell Reports, 2018, 23, 1239-1248.	6.4	188
47	FLT1 signaling in metastasis-associated macrophages activates an inflammatory signature that promotes breast cancer metastasis. Journal of Experimental Medicine, 2015, 212, 1433-1448.	8.5	186
48	Deciphering myeloid-derived suppressor cells: isolation and markers in humans, mice and non-human primates. Cancer Immunology, Immunotherapy, 2019, 68, 687-697.	4.2	168
49	Glioblastomas acquire myeloid-affiliated transcriptional programs via epigenetic immunoediting to elicit immune evasion. Cell, 2021, 184, 2454-2470.e26.	28.9	165
50	Leukocytes in Mammary Development and Cancer. Cold Spring Harbor Perspectives in Biology, 2011, 3, a003285-a003285.	5.5	162
51	Myeloid WNT7b Mediates the Angiogenic Switch and Metastasis in Breast Cancer. Cancer Research, 2014, 74, 2962-2973.	0.9	162
52	Progesterone Inhibits Estrogen-Induced Cyclin D1 and cdk4 Nuclear Translocation, Cyclin E- and Cyclin A-cdk2 Kinase Activation, and Cell Proliferation in Uterine Epithelial Cells in Mice. Molecular and Cellular Biology, 1999, 19, 2251-2264.	2.3	156
53	Vascular endothelial growth factor restores delayed tumor progression in tumors depleted of macrophages. Molecular Oncology, 2007, 1, 288-302.	4.6	139
54	Tumor-associated macrophages. Current Biology, 2020, 30, R246-R248.	3.9	136

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55	Macrophage targeting in cancer. Annals of the New York Academy of Sciences, 2021, 1499, 18-41.	3.8	134
56	Absence of Colony-Stimulating Factor-1 in Osteopetrotic (csfmoP/csfmOP) Mice Results in Male Fertility Defects1. Biology of Reproduction, 1996, 55, 310-317.	2.7	132
57	Macrophages: important accessory cells for reproductive function. Journal of Leukocyte Biology, 1999, 66, 765-772.	3.3	128
58	Absence of Colony Stimulating Factor-1 in Osteopetrotic (csfmop/csfmop) Mice Disrupts Estrous Cycles and Ovulation1. Biology of Reproduction, 1997, 56, 110-118.	2.7	127
59	Macrophages define dermal lymphatic vessel calibre during development by regulating lymphatic endothelial cell proliferation. Development (Cambridge), 2010, 137, 3899-3910.	2.5	127
60	Monocytes Differentiate to Immune Suppressive Precursors of Metastasis-Associated Macrophages in Mouse Models of Metastatic Breast Cancer. Frontiers in Immunology, 2017, 8, 2004.	4.8	122
61	The EGF/CSF-1 Paracrine Invasion Loop Can Be Triggered by Heregulin Î²1 and CXCL12. Cancer Research, 2009, 69, 3221-3227.	0.9	120
62	Setup and use of a two-laser multiphoton microscope for multichannel intravital fluorescence imaging. Nature Protocols, 2011, 6, 1500-1520.	12.0	119
63	Estradiol-17Î² regulates mouse uterine epithelial cell proliferation through insulin-like growth factor 1 signaling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15847-15851.	7.1	118
64	Role of colony-stimulating factor-1 in reproduction and development. Molecular Reproduction and Development, 1997, 46, 54-61.	2.0	114
65	Role of colony stimulating factor-1 (CSF-1) and other lympho-hematopoietic growth factors in mouse pre-implantation development. BioEssays, 1991, 13, 535-540.	2.5	113
66	Regulation of meiotic recombination and prophase I progression in mammals. BioEssays, 2001, 23, 996-1009.	2.5	105
67	Conditional deletion of the colony stimulating factor-1 receptor (c-fms proto-oncogene) in mice. Genesis, 2006, 44, 328-335.	1.6	105
68	Differential expansion of circulating human MDSC subsets in patients with cancer, infection and inflammation. , 2020, 8, e001223.		104
69	Progesterone Inhibits the Estrogen-Induced Phosphoinositide 3-Kinaseâ†'AKTâ†'GSK-3Î²â†'Cyclin D1â†'pRB Pathway to Block Uterine Epithelial Cell Proliferation. Molecular Endocrinology, 2005, 19, 1978-1990.	3.7	100
70	Eotaxin Is Required for Eosinophil Homing into the Stroma of the Pubertal and Cycling Uterus. Endocrinology, 2001, 142, 4515-4521.	2.8	96
71	AhR controls redox homeostasis and shapes the tumor microenvironment in BRCA1-associated breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3604-3613.	7.1	96
72	GFP expression in the mammary gland for imaging of mammary tumor cells in transgenic mice. Cancer Research, 2002, 62, 7166-9.	0.9	94

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73	Contribution of CXCL12 secretion to invasion of breast cancer cells. Breast Cancer Research, 2012, 14, R23.	5.0	92
74	Macrophages: Modulators of Breast Cancer Progression. Novartis Foundation Symposium, 2008, , 158-172.	1.1	86
75	Monocyte-derived macrophages promote breast cancer bone metastasis outgrowth. Journal of Experimental Medicine, 2020, 217, .	8.5	84
76	KLF15 negatively regulates estrogen-induced epithelial cell proliferation by inhibition of DNA replication licensing. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1334-43.	7.1	77
77	Aberrant Macrophage and Neutrophil Population Dynamics and Impaired Th1 Response to Listeria monocytogenesin Colony-Stimulating Factor 1-Deficient Mice. Infection and Immunity, 2001, 69, 1795-1807.	2.2	71
78	Redefining macrophage and neutrophil biology in the metastatic cascade. Immunity, 2021, 54, 885-902.	14.3	68
79	Monocyte Regulation in Homeostasis and Malignancy. Trends in Immunology, 2021, 42, 104-119.	6.8	64
80	Complexity in Uterine Macrophage Responses to Cytokines in Mice1. Biology of Reproduction, 1998, 58, 1469-1475.	2.7	61
81	CCL2-driven inflammation increases mammary gland stromal density and cancer susceptibility in a transgenic mouse model. Breast Cancer Research, 2017, 19, 4.	5.0	61
82	Macrophages: modulators of breast cancer progression. Novartis Foundation Symposium, 2004, 256, 158-68; discussion 168-72, 259-69.	1.1	58
83	Microarray Analysis of Uterine Epithelial Gene Expression during the Implantation Window in the Mouse. Endocrinology, 2006, 147, 4904-4916.	2.8	57
84	Effect of the Colony-Stimulating Factor-1 Null Mutation, Osteopetrotic (csfmoP), on the Distribution of Macrophages in the Male Mouse Reproductive Tract1. Biology of Reproduction, 1997, 56, 1290-1300.	2.7	55
85	Progesterone blocks estrogen-induced DNA synthesis through the inhibition of replication licensing. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14021-14026.	7.1	55
86	In vivosubcellular resolution optical imaging in the lung reveals early metastatic proliferation and motility. Intravital, 2015, 4, 1-11.	2.0	54
87	Macrophages inhibit and enhance endometriosis depending on their origin. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	54
88	Isolation of Mouse and Human Tumor-Associated Macrophages. Advances in Experimental Medicine and Biology, 2016, 899, 211-229.	1.6	52
89	Genetic programming of macrophages generates an in vitro model for the human erythroid island niche. Nature Communications, 2019, 10, 881.	12.8	51
90	The clinical significance of inflammatory cytokines in primary cell culture in endometrial carcinoma. Molecular Oncology, 2013, 7, 41-54.	4.6	49

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91	Therapeutic potential of chemokine signal inhibition for metastatic breast cancer. Pharmacological Research, 2015, 100, 266-270.	7.1	49
92	Activation of protein synthesis in mouse uterine epithelial cells by estradiol-17Î² is mediated by a PKCâ€“ERK1/2â€“mTOR signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1382-91.	7.1	44
93	Progesterone Regulation of the Mammalian Ortholog of Methylcitrate Dehydratase (Immune Response) Tj ETQq1 1 0.784314 rgBT /Ove Molecular Endocrinology, 2003, 17, 2340-2354.	3.7	42
94	A Fluorescent Activatable ANDâ€Gate Chemokine CCL2 Enables In Vivo Detection of Metastasisâ€Associated Macrophages. Angewandte Chemie - International Edition, 2019, 58, 16894-16898.	13.8	41
95	FcÎ³ Receptor Cross-linking Stimulates Cell Proliferation of Macrophages via the ERK Pathway. Journal of Biological Chemistry, 2010, 285, 4232-4242.	3.4	40
96	Repolarizing macrophages improves breast cancer therapy. Cell Research, 2017, 27, 963-964.	12.0	40
97	A human iPSC line capable of differentiating into functional macrophages expressing ZsGreen: a tool for the study and in vivo tracking of therapeutic cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170219.	4.0	35
98	Cancer immunosurveillance: role of patrolling monocytes. Cell Research, 2016, 26, 3-4.	12.0	34
99	Uterine DCs are essential for pregnancy. Journal of Clinical Investigation, 2008, 118, 3832-5.	8.2	30
100	Lithium chloride treatment induces epithelial cell proliferation in xenografted human endometrium. Human Reproduction, 2009, 24, 1960-1967.	0.9	29
101	Myeloid Cells in Metastasis. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a038026.	6.2	29
102	Normal Sexual Function in Male Mice Lacking a Functional Type I Interleukin-1 (IL-1) Receptor. Endocrinology, 1998, 139, 815-818.	2.8	28
103	Colony stimulating factor-1 (CSF-1) in pregnancy. Reproductive Medicine Review, 1992, 1, 83-97.	0.3	26
104	Optical Windows for Imaging the Metastatic Tumour Microenvironment in vivo. Trends in Biotechnology, 2017, 35, 5-8.	9.3	26
105	Assessment of the proliferative status of epithelial cell types in the endometrium of young and menopausal transition women. Human Reproduction, 2007, 22, 1778-1788.	0.9	24
106	Long-term High-Resolution Intravital Microscopy in the Lung with a Vacuum Stabilized Imaging Window. Journal of Visualized Experiments, 2016, , .	0.3	22
107	CSF1R regulates the dendritic cell pool size in adult mice via embryo-derived tissue-resident macrophages. Nature Communications, 2018, 9, 5279.	12.8	22
108	Inhibiting macrophage PI3KÎ³ to enhance immunotherapy. Cell Research, 2016, 26, 1267-1268.	12.0	21

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109	Eotaxin Is Required for Eosinophil Homing into the Stroma of the Pubertal and Cycling Uterus. Endocrinology, 2001, 142, 4515-4521.	2.8	21
110	Colony-Stimulating Factor-1 Plays a Major Role in the Development of Reproductive Function in Male Mice. Molecular Endocrinology, 1997, 11, 1636-1650.	3.7	18
111	Methods for macrophage differentiation and in vitro generation of human tumor associated-like macrophages. Methods in Enzymology, 2020, 632, 113-131.	1.0	16
112	Defining Metastatic Cell Latency. New England Journal of Medicine, 2016, 375, 280-282.	27.0	15
113	Mammary Tumor Cells with High Metastatic Potential Are Hypersensitive to Macrophage-Derived HGF. Cancer Immunology Research, 2019, 7, 2052-2064.	3.4	15
114	A Fluorescent Activatable ANDâ€Gate Chemokine CCL2 Enables In Vivo Detection of Metastasisâ€Associated Macrophages. Angewandte Chemie, 2019, 131, 17050-17054.	2.0	13
115	Production and Characterization of Human Macrophages from Pluripotent Stem Cells. Journal of Visualized Experiments, 2020, , .	0.3	12
116	Lung Mammary Metastases but Not Primary Tumors Induce Accumulation of Atypical Large Platelets and Their Chemokine Expression. Cell Reports, 2019, 29, 1747-1755.e4.	6.4	11
117	Bacteria, inflammation and cancer. Nature Reviews Immunology, 2015, 15, 528-528.	22.7	8
118	Xenografted tissue models for the study of human endometrial biology. Differentiation, 2017, 98, 62-69.	1.9	8
119	Real Time Detection of In Vitro Tumor Cell Apoptosis Induced by CD8⁺ T Cells to Study Immune Suppressive Functions of Tumor-infiltrating Myeloid Cells. Journal of Visualized Experiments, 2019, , .	0.3	7
120	Induction of interferon signaling and allograft inflammatory factor 1 in macrophages in a mouse model of breast cancer metastases. Wellcome Open Research, 2021, 6, 52.	1.8	6
121	An acid trip activates protumoral macrophages to promote hepatocellular carcinoma malignancy. Journal of Clinical Investigation, 2022, 132, .	8.2	6
122	Editorial: Genetic Regulation of Estrogen Responsiveness. Endocrinology, 1999, 140, 553-555.	2.8	5
123	The Yolk Sac Feeds Pancreatic Tumors. Immunity, 2017, 47, 217-218.	14.3	5
124	FACS isolation and analysis of human circulating and tumor neutrophils. Methods in Enzymology, 2020, 632, 229-257.	1.0	5
125	Induction of interferon signaling and allograft inflammatory factor 1 in macrophages in a mouse model of breast cancer metastases. Wellcome Open Research, 2021, 6, 52.	1.8	5
126	Systemic Influences of Mammary Cancer on Monocytes in Mice. Cancers, 2022, 14, 833.	3.7	5

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127	Generation of mouse bone marrow-derived macrophages using tumor coculture assays to mimic the tumor microenvironment. Methods in Enzymology, 2020, 632, 91-111.	1.0	4
128	Estrogen and progesterone regulation of cell proliferation in the endometrium of muridae and humans. Reproductive Medicine and Assisted Reproductive Techniques Series, 2008, , 99-122.	0.1	3
129	The In Vivo Isotopic Labeling of Proteins for Polyacrylamide Gel Electrophoresis. , 1984, 1, 75-80.		2
130	Role of colonyâ€stimulating factorâ€1 in reproduction and development. Molecular Reproduction and Development, 1997, 46, 54-61.	2.0	2
131	What DKKtates where to metastasize. Nature Cell Biology, 2017, 19, 1146-1148.	10.3	1
132	The selective progesterone receptor modulator, telapristone acetate, is a mixed antagonist/agonist in the human and mouse endometrium and inhibits pregnancy in mice. F&S Science, 2021, 2, 59-70.	0.9	1
133	CCL2-induced chemokine cascade promotes breast cancer metastasis by enhancing retention of metastasis-associated macrophages. Journal of Cell Biology, 2015, 209, 2096OIA117.	5.2	1
134	Dampening the fire to prevent surgery- and chemotherapy-induced metastasis. Journal of Clinical Investigation, 2019, 129, 2663-2665.	8.2	1