John A Hamilton

List of Publications by Year
in descending order

224 papers	19,022 citations	18482 62 h-index	13771 129 g-index
224 all docs	224 docs citations	224 times ranked	26054 citing authors

#	Article	IF	Citations
1	Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. Immunity, 2014, 41, 14-20.	14.3	4,638
2	Colony-stimulating factors in inflammation and autoimmunity. Nature Reviews Immunology, 2008, 8, 533-544.	22.7	1,111
3	Granulocyte-Macrophage Colony-Stimulating Factor (CSF) and Macrophage CSF-Dependent Macrophage Phenotypes Display Differences in Cytokine Profiles and Transcription Factor Activities: Implications for CSF Blockade in Inflammation. Journal of Immunology, 2007, 178, 5245-5252.	0.8	514
4	Defining GM-CSFâ€“ and Macrophage-CSFâ€“Dependent Macrophage Responses by In Vitro Models. Journal of Immunology, 2012, 188, 5752-5765.	0.8	429
5	Granulocyte Macrophage Colony-Stimulating Factor. Journal of Experimental Medicine, 2001, 194, 873-882.	8.5	390
6	GM-CSF in inflammation and autoimmunity. Trends in Immunology, 2002, 23, 403-408.	6.8	307
7	N2 Neutrophils, Novel Players in Brain Inflammation After Stroke. Stroke, 2013, 44, 3498-3508.	2.0	284
8	Colony stimulating factors and myeloid cell biology in health and disease. Trends in Immunology, 2013, 34, 81-89.	6.8	241
9	GM-CSF- and M-CSF-dependent macrophage phenotypes display differential dependence on Type I interferon signaling. Journal of Leukocyte Biology, 2009, 86, 411-421.	3.3	240
10	Therapeutic options for targeting inflammatory osteoarthritis pain. Nature Reviews Rheumatology, 2019, 15, 355-363.	8.0	227
11	The TGF-Î² superfamily cytokine, MIC-1/GDF15: A pleotrophic cytokine with roles in inflammation, cancer and metabolism. Growth Factors, 2011, 29, 187-195.	1.7	214
12	Macrophage spatial heterogeneity in gastric cancer defined by multiplex immunohistochemistry. Nature Communications, 2019, 10, 3928.	12.8	210
13	Collagen-induced arthritis in C57BL/6 (H-2b) mice: new insights into an important disease model of rheumatoid arthritis. European Journal of Immunology, 2000, 30, 1568-1575.	2.9	203
14	Mini ReviewGM-CSF Biology. Growth Factors, 2004, 22, 225-231.	1.7	197
15	The dynamics of macrophage lineage populations in inflammatory and autoimmune diseases. Arthritis and Rheumatism, 2009, 60, 1210-1221.	6.7	188
16	CSF-1 signal transduction. Journal of Leukocyte Biology, 1997, 62, 145-155.	3.3	185
17	Neutrophils: important contributors to tumor progression and metastasis. Cancer and Metastasis Reviews, 2015, 34, 735-751.	5.9	185
18	The interferon in TLR signaling: more than just antiviral. Trends in Immunology, 2003, 24, 534-539.	6.8	181

#	Article	IF	Citations
19	Functions of Granulocyte-Macrophage Colony-Stimulating Factor. Critical Reviews in Immunology, 2005, 25, 405-428.	0.5	179
20	GM-CSF-based treatments in COVID-19: reconciling opposing therapeutic approaches. Nature Reviews Immunology, 2020, 20, 507-514.	22.7	174
21	GM-CSF in inflammation. Journal of Experimental Medicine, 2020, 217, .	8.5	172
22	Blockade of collagen-induced arthritis post-onset by antibody to granulocyte-macrophage colony-stimulating factor (GM-CSF): requirement for GM-CSF in the effector phase of disease. Arthritis Research, 2001, 3, 293.	2.0	165
23	Immune Cytokines and Their Receptors in Inflammatory Pain. Trends in Immunology, 2018, 39, 240-255.	6.8	165
24	Interleukin-17A Serves a Priming Role in Autoimmunity by Recruiting IL-1Î²-Producing Myeloid Cells that Promote Pathogenic T Cells. Immunity, 2020, 52, 342-356.e6.	14.3	157
25	Mouse neutrophilic granulocytes express mRNA encoding the macrophage colony-stimulating factor receptor (CSF-1R) as well as many other macrophage-specific transcripts and can transdifferentiate into macrophages in vitro in response to CSF-1. Journal of Leukocyte Biology, 2007, 82, 111-123.	3.3	155
26	Granulocyte/Macrophage-Colony-stimulating Factor (GM-CSF) Regulates Lung Innate Immunity to Lipopolysaccharide through Akt/Erk Activation of NFÎºB and AP-1 in Vivo. Journal of Biological Chemistry, 2002, 277, 42808-42814.	3.4	154
27	Peripheral blood mononuclear cell expression of toll-like receptors and relation to cytokine levels in cirrhosis. Hepatology, 2003, 37, 1154-1164.	7.3	147
28	Oxidized LDL Can Induce Macrophage Survival, DNA Synthesis, and Enhanced Proliferative Response to CSF-1 and GM-CSF. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 98-105.	2.4	139
29	Hypoxia Prolongs Monocyte/Macrophage Survival and Enhanced Glycolysis Is Associated with Their Maturation under Aerobic Conditions. Journal of Immunology, 2009, 182, 7974-7981.	0.8	139
30	Metabolic Remodeling, Inflammasome Activation, and Pyroptosis in Macrophages Stimulated by Porphyromonas gingivalis and Its Outer Membrane Vesicles. Frontiers in Cellular and Infection Microbiology, 2017, 7, 351.	3.9	138
31	Anti-colony-stimulating factor therapies for inflammatory and autoimmune diseases. Nature Reviews Drug Discovery, 2017, 16, 53-70.	46.4	137
32	Granulocyte macrophage colony-stimulating factor induces CCL17 production via IRF4 to mediate inflammation. Journal of Clinical Investigation, 2016, 126, 3453-3466.	8.2	129
33	Monocytes and macrophages in malaria: protection or pathology?. Trends in Parasitology, 2013, 29, 26-34.	3.3	124
34	Colony stimulating factors, cytokines and monocyte-macrophages-some controversies. Trends in Immunology, 1993, 14, 18-24.	7.5	113
35	Neutrophils, Gâ€<scp>CSF</scp> and their contribution to breast cancer metastasis. FEBS Journal, 2018, 285, 665-679.	4.7	110
36	GM-CSF-Dependent Inflammatory Pathways. Frontiers in Immunology, 2019, 10, 2055.	4.8	109

#	Article	IF	Citations
37	Control of macrophage lineage populations by CSFâ€1 receptor and GMâ€CSF in homeostasis and inflammation. Immunology and Cell Biology, 2012, 90, 429-440.	2.3	107
38	K/BxN Serum-Transfer Arthritis as a Model for Human Inflammatory Arthritis. Frontiers in Immunology, 2016, 7, 213.	4.8	107
39	Effects of tumor necrosis factor Î± and Î² on resorption of human articular cartilage and production of plasminogen activator by human articular chondrocytes. Arthritis and Rheumatism, 1990, 33, 542-552.	6.7	102
40	Extravascular coagulation and the plasminogen activator/plasmin system in rheumatoid arthritis. Arthritis and Rheumatism, 2002, 46, 2268-2279.	6.7	102
41	Interleukin-1Î² and interleukin-1Î± stimulate the plasminogen activator activity and prostaglandin E2 levels of human synovial cells. Arthritis and Rheumatism, 1987, 30, 562-566.	6.7	100
42	Neutralizing Granulocyte/Macrophage Colonyâ€“Stimulating Factor Inhibits Cigarette Smokeâ€“induced Lung Inflammation. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 34-40.	5.6	99
43	The Promotion of Breast Cancer Metastasis Caused by Inhibition of CSF-1R/CSF-1 Signaling Is Blocked by Targeting the G-CSF Receptor. Cancer Immunology Research, 2014, 2, 765-776.	3.4	97
44	Innate immune responses to LPS in mouse lung are suppressed and reversed by neutralization of GM-CSF via repression of TLR-4. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L877-L885.	2.9	96
45	Granulocyte-macrophage colony-stimulating factor is a key mediator in experimental osteoarthritis pain and disease development. Arthritis Research and Therapy, 2012, 14, R199.	3.5	96
46	Signaling Crosstalk during Sequential TLR4 and TLR9 Activation Amplifies the Inflammatory Response of Mouse Macrophages. Journal of Immunology, 2009, 183, 8110-8118.	0.8	94
47	Activation and proliferation signals in murine macrophages: Stimulation of glucose uptake by hemopoietic growth factors and other agents. Journal of Cellular Physiology, 1988, 134, 405-412.	4.1	89
48	The Phenotype of Inflammatory Macrophages Is Stimulus Dependent: Implications for the Nature of the Inflammatory Response. Journal of Immunology, 2003, 171, 4816-4823.	0.8	89
49	Activation and proliferation signals in murine macrophages: Stimulation of Na+, K+-ATPase activity by hemopoietic growth factors and other agents. Journal of Cellular Physiology, 1988, 134, 13-24.	4.1	85
50	Granulocyte-macrophage colony-stimulating factor is a key mediator in inflammatory and arthritic pain. Annals of the Rheumatic Diseases, 2013, 72, 265-270.	0.9	82
51	GM-CSF as a target in inflammatory/autoimmune disease: current evidence and future therapeutic potential. Expert Review of Clinical Immunology, 2015, 11, 457-465.	3.0	81
52	Cytokine regulation of granulocyte-macrophage colony stimulating factor and macrophage colony-stimulating factor production in human arterial smooth muscle cells. Atherosclerosis, 1993, 99, 241-252.	0.8	80
53	Macrophage lineage phenotypes and osteoclastogenesisâ€”Complexity in the control by GM-CSF and TGF-Î². Bone, 2007, 40, 323-336.	2.9	78
54	CSF-1 stimulates Na+K+-ATPase mediated 86Rb+ uptake in mouse bone marrow-derived macrophages. Biochemical and Biophysical Research Communications, 1985, 132, 430-437.	2.1	76

#	Article	IF	Citations
55	Recombinant human interleukin-1 stimulates human articular cartilage to undergo resorption and human chondrocytes to produce both tissue- and urokinase-type plasminogen activator. Biochimica Et Biophysica Acta - General Subjects, 1988, 967, 183-194.	2.4	75
56	CCL17 blockade as a therapy for osteoarthritis pain and disease. Arthritis Research and Therapy, 2018, 20, 62.	3.5	71
57	Specific Contributions of CSF-1 and GM-CSF to the Dynamics of the Mononuclear Phagocyte System. Journal of Immunology, 2015, 195, 134-144.	0.8	70
58	Stimulation of the hyaluronic acid levels of human synovial fibroblasts by recombinant human tumor necrosis factor Î±, tumor necrosis factor Î² (lymphotoxin), interleukin-1Î±, and interleukin-1Î². Arthritis and Rheumatism, 1988, 31, 1281-1289.	6.7	69
59	Dependence of interleukin-1-induced arthritis on granulocyte-macrophage colony-stimulating factor. Arthritis and Rheumatism, 2001, 44, 111-119.	6.7	69
60	Stimulation of human chondrocyte prostaglandin E2 production by recombinant human interleukin-1 and tumour necrosis factor. Biochimica Et Biophysica Acta - Molecular Cell Research, 1990, 1051, 310-318.	4.1	67
61	Macrophage Activation and Differentiation Signals Regulate Schlafen-4 Gene Expression: Evidence for Schlafen-4 as a Modulator of Myelopoiesis. PLoS ONE, 2011, 6, e15723.	2.5	67
62	Rosiglitazone-induced CD36 up-regulation resolves inflammation by PPARÎ³ and 5-LO-dependent pathways. Journal of Leukocyte Biology, 2013, 95, 587-598.	3.3	66
63	Thrombin Stimulates Expression of Tissue-Type Plasminogen Activator and Plasminogen Activator Inhibitor Type 1 in Cultured Human Vascular Smooth Muscle Cells. Thrombosis and Haemostasis, 1993, 70, 469-474.	3.4	65
64	Tibial Fracture Exacerbates Traumatic Brain Injury Outcomes and Neuroinflammation in a Novel Mouse Model of Multitrauma. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1339-1347.	4.3	64
65	Granulocyte-Macrophage Colony-Stimulating Factor Is Neuroprotective in Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 976-983.	3.4	63
66	Macrophage Lineage Cells in Inflammation: Characterization by Colony-Stimulating Factor-1 (CSF-1) Receptor (c-Fms), ER-MP58, and ER-MP20 (Ly-6C) Expression. Blood, 1998, 92, 1423-1431.	1.4	61
67	Roles of the Mitogen-activated Protein Kinase Family in Macrophage Responses to Colony Stimulating Factor-1 Addition and Withdrawal. Journal of Biological Chemistry, 1999, 274, 15127-15133.	3.4	60
68	Stimulus-Dependent Requirement for Granulocyte-Macrophage Colony-Stimulating Factor in Inflammation. Journal of Immunology, 2004, 173, 4643-4651.	0.8	60
69	Regulation of systemic and local myeloid cell subpopulations by bone marrow cellâ€“derived granulocyteâ€“macrophage colonyâ€stimulating factor in experimental inflammatory arthritis. Arthritis and Rheumatism, 2011, 63, 2340-2351.	6.7	59
70	GM-CSF: A Promising Target in Inflammation and Autoimmunity . ImmunoTargets and Therapy, 2020, Volume 9, 225-240.	5.8	59
71	Tissue-Type Plasminogen Activator Deficiency Exacerbates Arthritis. Journal of Immunology, 2001, 167, 1047-1052.	0.8	57
72	Biochemical events accompanying macrophage activation and the inhibition of colony-stimulating factor-1-induced macrophage proliferation by tumor necrosis factor-?, interferon-?, and lipopolysaccharide. Journal of Cellular Physiology, 1992, 151, 630-641.	4.1	56

#	Article	IF	Citations
73	G1 phase arrest of human smooth muscle cells by heparin, IL-4 and cAMP is linked to repression of cyclin D1 and cdk2. Atherosclerosis, 1997, 133, 61-69.	0.8	55
74	Particulate adjuvants can induce macrophage survival, DNA synthesis, and a synergistic proliferative response to GM-CSF and CSF-1. Journal of Leukocyte Biology, 2000, 67, 226-232.	3.3	55
75	Detection and properties of the human proliferative monocyte subpopulation. Journal of Leukocyte Biology, 2006, 79, 757-766.	3.3	55
76	Nondisposable materials, chronic inflammation, and adjuvant action. Journal of Leukocyte Biology, 2003, 73, 702-712.	3.3	54
77	Differing Roles for Urokinase and Tissue-Type Plasminogen Activator in Collagen-Induced Arthritis. American Journal of Pathology, 2002, 160, 917-926.	3.8	53
78	ROLE OF TYPE I INTERFERONS DURING MACROPHAGE ACTIVATION BY LIPOPOLYSACCHARIDE. Cytokine, 2000, 12, 1639-1646.	3.2	52
79	Signalling through CSF receptors. Trends in Immunology, 1991, 12, 362-369.	7.5	51
80	Receptor-interacting Protein Kinase 4 and Interferon Regulatory Factor 6 Function as a Signaling Axis to Regulate Keratinocyte Differentiation. Journal of Biological Chemistry, 2014, 289, 31077-31087.	3.4	51
81	Urokinase Plasminogen Activator Is a Central Regulator of Macrophage Three-Dimensional Invasion, Matrix Degradation, and Adhesion. Journal of Immunology, 2014, 192, 3540-3547.	0.8	51
82	S100A8 Chemotactic Protein Is Abundantly Increased, but Only a Minor Contributor to LPS-Induced, Steroid Resistant Neutrophilic Lung Inflammation in Vivo. Journal of Proteome Research, 2005, 4, 136-145.	3.7	50
83	Glucocorticoids promote apoptosis of proinflammatory monocytes by inhibiting ERK activity. Cell Death and Disease, 2018, 9, 267.	6.3	50
84	TLR3 drives IRF6â€dependent ILâ€23p19 expression and p19/EBI3 heterodimer formation in keratinocytes. Immunology and Cell Biology, 2015, 93, 771-779.	2.3	49
85	A Central Role for the Hsp90Â·Cdc37 Molecular Chaperone Module in Interleukin-1 Receptor-associated-kinase-dependent Signaling by Toll-like Receptors. Journal of Biological Chemistry, 2005, 280, 9813-9822.	3.4	48
86	Oncostatin M stimulates urokinase-type plasminogen activator activity in human synovial fibroblasts. Biochemical and Biophysical Research Communications, 1991, 180, 652-659.	2.1	46
87	Glycolysis Is Required for LPS-Induced Activation and Adhesion of Human CD14+CD16â^' Monocytes. Frontiers in Immunology, 2019, 10, 2054.	4.8	45
88	Autocrine IFN-I inhibits isocitrate dehydrogenase in the TCA cycle of LPS-stimulated macrophages. Journal of Clinical Investigation, 2019, 129, 4239-4244.	8.2	45
89	Human synovial fibroblast plasminogen activator. modulation of enzyme activity by antiinflammatory steroids. Arthritis and Rheumatism, 1981, 24, 1296-1303.	6.7	44
90	Epigenetic and transcriptional regulation of IL4-induced CCL17 production in human monocytes and murine macrophages. Journal of Biological Chemistry, 2018, 293, 11415-11423.	3.4	44

#	Article	IF	Citations
91	Production of macrophage colony-stimulating factor (M-CSF) by human articular cartilage and chondrocytes. Modulation by interleukin-1 and tumor necrosis factor Î±. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1993, 1182, 57-63.	3.8	43
92	Cyclic AMP-dependent and -independent effects on tissue-type plasminogen activator activity in osteogenic sarcoma cells; evidence from phosphodiesterase inhibition and parathyroid hormone antagonists. Biochimica Et Biophysica Acta - Molecular Cell Research, 1986, 888, 199-207.	4.1	42
93	The generation and properties of human macrophage populations from hemopoietic stem cells. Journal of Leukocyte Biology, 2009, 85, 766-778.	3.3	42
94	SAA drives proinflammatory heterotypic macrophage differentiation in the lungviaCSFâ€1Râ€dependent signaling. FASEB Journal, 2014, 28, 3867-3877.	0.5	42
95	IRF6 Regulates the Expression of IL-36Î³ by Human Oral Epithelial Cells in Response to Porphyromonas gingivalis. Journal of Immunology, 2016, 196, 2230-2238.	0.8	42
96	Human synovial fibroblasts produce urokinase-type plasminogen activator. Arthritis and Rheumatism, 1986, 29, 1397-1401.	6.7	41
97	Differential release of plasminogen activator and latent collagenase from mononuclear cell-stimulated synovial cells. Arthritis and Rheumatism, 1983, 26, 15-21.	6.7	40
98	The proliferative human monocyte subpopulation contains osteoclast precursors. Arthritis Research and Therapy, 2009, 11, R23.	3.5	40
99	Production of leukemia inhibitory factor by human articular chondrocytes and cartilage in response to interleukin-1 and tumor necrosis factor Î±. Arthritis and Rheumatism, 1993, 36, 790-794.	6.7	39
100	Tissue plasminogen activator does not alter development of acquired epilepsy. Epilepsia, 2012, 53, 1998-2004.	5.1	39
101	Characterization of pathogenic human monoclonal autoantibodies against GM-CSF. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7832-7837.	7.1	39
102	CSF-1 stimulates glucose uptake in murine bone marrow-derived macrophages. Biochemical and Biophysical Research Communications, 1986, 138, 445-454.	2.1	38
103	Association between phosphatidylinositol-3 kinase, Cbl and other tyrosine phosphorylated proteins in colony-stimulating factor-1-stimulated macrophages. Biochemical Journal, 1996, 320, 69-77.	3.7	38
104	Granulocyte macrophage colony-stimulating factor receptor Î± expression and its targeting in antigen-induced arthritis and inflammation. Arthritis Research and Therapy, 2016, 18, 287.	3.5	38
105	Modulation of urokinase-type plasminogen activator messenger rna levels in human synovial fibroblasts by interleukin-1, retinoic acid, and a glucocorticoid. Arthritis and Rheumatism, 1988, 31, 1046-1051.	6.7	37
106	Regulation of Plasminogen Activator Inhibitor-1 Levels in Human Monocytes. Cellular Immunology, 1993, 152, 7-17.	3.0	37
107	Activation and proliferation signals in murine macrophages: Relationships among c-fos and c-myc expression, phosphoinositide hydrolysis, superoxide formation, and DNA synthesis. Journal of Cellular Physiology, 1989, 141, 618-626.	4.1	36
108	TNF and granulocyte macrophage-colony stimulating factor interdependence mediates inflammation via CCL17. JCI Insight, 2018, 3, .	5.0	36

#	Article	IF	Citations
109	Stimulation of the plasminogen activator activity of human synovial fibroblasts by retinoids. Arthritis and Rheumatism, 1982, 25, 432-440.	6.7	35
110	Characterization of a CSF-induced proliferating subpopulation of human peripheral blood monocytes by surface marker expression and cytokine production. Journal of Leukocyte Biology, 1999, 66, 953-960.	3.3	34
111	Down-regulation of IRAK-4 is a component of LPS- and CpG DNA-induced tolerance in macrophages. Cellular Signalling, 2009, 21, 246-252.	3.6	34
112	Expression of a Y559F Mutant CSF-1 Receptor in M1 Myeloid Cells: A Role for Src Kinases in CSF-1 Receptor-Mediated Differentiation. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 1999, 1, 144-152.	1.6	33
113	Flow Cytometric Analysis of Adherence of Porphyromonas gingivalis to Oral Epithelial Cells. Infection and Immunity, 2007, 75, 2484-2492.	2.2	33
114	Interferon Regulatory Factor 6 Differentially Regulates Toll-like Receptor 2-dependent Chemokine Gene Expression in Epithelial Cells. Journal of Biological Chemistry, 2014, 289, 19758-19768.	3.4	33
115	Recombinant human inteleukin-1 inhibits plasminogen activator inhibitor-1 (PAI-1) production by human articular cartilage and chondrocytes. Biochemical and Biophysical Research Communications, 1991, 174, 251-257.	2.1	32
116	Differences in the kinetics of activation of protein kinases and extracellular signal-related protein kinase 1 in colony-stimulating factor 1-stimulated and lipopolysaccharide-stimulated macrophages. Biochemical Journal, 1996, 320, 1011-1016.	3.7	31
117	Urokinase-type plasminogen activator and arthritis progression: role in systemic disease with immune complex involvement. Arthritis Research and Therapy, 2010, 12, R37.	3.5	31
118	CSF-I signal transaction: what is of functional significance?. Trends in Immunology, 1997, 18, 313-317.	7.5	30
119	Proliferation of a Subpopulation of Human Peripheral Blood Monocytes in the Presence of Colony Stimulating Factors may Contribute to the Inflammatory Process in Diseases such as Rheumatoid Arthritis. Immunobiology, 2000, 202, 18-25.	1.9	30
120	CSF-1 receptor signalling from endosomes mediates the sustained activation of Erk1/2 and Akt in macrophages. Cellular Signalling, 2012, 24, 1753-1761.	3.6	30
121	Glucocorticoids and prostaglandins inhibit the induction of macrophage DNA synthesis by macrophage growth factor and phorbol ester. Journal of Cellular Physiology, 1983, 115, 67-74.	4.1	29
122	cAMP suppresses p21ras and Raf-1 responses but not the Erk-1 response to granulocyte-colony-stimulating factor: possible Raf-1-independent activation of Erk-1. Biochemical Journal, 1997, 322, 79-87.	3.7	29
123	Direct binding of Shc, Grb2, SHP-2 and p40 to the murine granulocyte colony-stimulating factor receptor. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1448, 70-76.	4.1	29
124	Phosphatidylinostitol-3 kinase and phospholipase C enhance CSF-1-dependent macrophage survival by controlling glucose uptake. Cellular Signalling, 2009, 21, 1361-1369.	3.6	29
125	The interface between cholinergic pathways and the immune system and its relevance to arthritis. Arthritis Research and Therapy, 2015, 17, 87.	3.5	29
126	Microglial polarization in posttraumatic epilepsy: Potential mechanism and treatment opportunity. Epilepsia, 2020, 61, 203-215.	5.1	29

#	Article	IF	Citations
127	Plasminogen Activators and Their Inhibitors in Arthritic Disease. Annals of the New York Academy of Sciences, 1992, 667, 87-100.	3.8	28
128	G-CSF Receptor Blockade Ameliorates Arthritic Pain and Disease. Journal of Immunology, 2017, 198, 3565-3575.	0.8	28
129	GM-CSFâ€“ and IRF4-Dependent Signaling Can Regulate Myeloid Cell Numbers and the Macrophage Phenotype during Inflammation. Journal of Immunology, 2019, 202, 3033-3040.	0.8	28
130	Cytokine Regulation of the Synthesis of Plasminogen Activator Inhibitor-2 by Human Vascular Endothelial Cells. Thrombosis and Haemostasis, 1993, 69, 135-140.	3.4	28
131	Î³-Interferon counteracts interleukin-1Î± stimulated expression of urokinase-type plasminogen activator in human endothelial cells in vitro. Biochemical and Biophysical Research Communications, 1992, 188, 463-469.	2.1	27
132	Effects of macrophage-colony stimulating factor on human monocytes: Induction of expression of urokinase-type plasminogen activator, but not of secreted prostaglandin E2 , interleukin-6, interleukin-1, or tumor necrosis factor-a. Journal of Leukocyte Biology, 1993, 53, 707-714.	3.3	27
133	Cytokine modulation of plasminogen activator inhibitor-1 (PAI-1) production by human articular cartilage and chondrocytes. Down-regulation by tumor necrosis factor Î± and up-regulation by transforming growth factor-Î² and basic fibroblast growth factor. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1994, 1226, 277-285.	3.8	27
134	Expression of p47-phox and p67-phox proteins in murine bone marrowâ€“derived macrophages: Enhancement by lipopolysaccharide and tumor necrosis factor Î± but not colony stimulating factor 1. Journal of Leukocyte Biology, 1994, 55, 530-535.	3.3	27
135	Proteomic Analysis of Macrophage Differentiation. Journal of Biological Chemistry, 2001, 276, 26211-26217.	3.4	27
136	M-CSF induces the stable interaction of cFms with Î±VÎ²3 integrin in osteoclasts. International Journal of Biochemistry and Cell Biology, 2006, 38, 1518-1529.	2.8	27
137	Independent regulation of plasminogen activator inhibitor 2 and plasminogen activator inhibitor 1 in human synovial fibroblasts. Arthritis and Rheumatism, 1992, 35, 1526-1534.	6.7	26
138	Inflammatory microcrystals induce murine macrophage survival and DNA synthesis. Arthritis Research, 2001, 3, 242.	2.0	26
139	Copper/zinc superoxide dismutase is phosphorylated and modulated specifically by granulocyte-colony stimulating factor in myeloid cells. Proteomics, 2001, 1, 435-443.	2.2	26
140	Collagen Induces Maturation of Human Monocyte-Derived Dendritic Cells by Signaling through Osteoclast-Associated Receptor. Journal of Immunology, 2015, 194, 3169-3179.	0.8	26
141	The dark side of granulocyte-colony stimulating factor: a supportive therapy with potential to promote tumour progression. Clinical and Experimental Metastasis, 2018, 35, 255-267.	3.3	26
142	Colony stimulating factor-1 stimulates diacylglycerol generation in murine bone marrow-derived macrophages, but not in resident peritoneal macrophages. Journal of Cellular Physiology, 1991, 147, 298-305.	4.1	25
143	Cyclic AMP Inhibits Expression of D-Type Cyclins and cdk4 and Induces p27Kip1in G-CSF-Treated NFS-60 Cells. Biochemical and Biophysical Research Communications, 1996, 224, 10-16.	2.1	25
144	Brief Report: Granulocyteâ€“Macrophage Colonyâ€Stimulating Factor Drives Monosodium Urate Monohydrate Crystalâ€“Induced Inflammatory Macrophage Differentiation and NLRP3 Inflammasome Upâ€Regulation in an In Vivo Mouse Model. Arthritis and Rheumatology, 2014, 66, 2423-2428.	5.6	25

#	Article	IF	Citations
145	Investigational therapies targeting the granulocyte macrophage colony-stimulating factor receptor-Î± in rheumatoid arthritis: focus on mavrilimumab. Therapeutic Advances in Musculoskeletal Disease, 2018, 10, 29-38.	2.7	25
146	Disease-associated mutations in IRF6 and RIPK4 dysregulate their signalling functions. Cellular Signalling, 2015, 27, 1509-1516.	3.6	24
147	Targeting GM-CSF in inflammatory and autoimmune disorders. Seminars in Immunology, 2021, 54, 101523.	5.6	24
148	Regulation of the Endosomal SNARE Protein Syntaxin 7 by Colony-Stimulating Factor 1 in Macrophages. Molecular and Cellular Biology, 2008, 28, 6149-6159.	2.3	23
149	Regulation of pinocytosis in murine macrophages by colony-stimulating factors and other agents. Journal of Leukocyte Biology, 1992, 51, 350-359.	3.3	22
150	CSF-1 in Inflammatory and Arthritic Pain Development. Journal of Immunology, 2018, 201, 2042-2053.	0.8	22
151	Granulocyte-Macrophage Colony Stimulating Factor As an Indirect Mediator of Nociceptor Activation and Pain. Journal of Neuroscience, 2020, 40, 2189-2199.	3.6	22
152	cAMP Enhances CSF-1-Induced ERK Activity and c-fosmRNA Expression via a MEK-Dependent and Ras-Independent Mechanism in Macrophages. Biochemical and Biophysical Research Communications, 1998, 244, 475-480.	2.1	21
153	Porphyromonas gingivalis-derived RgpA-Kgp Complex Activates the Macrophage Urokinase Plasminogen Activator System. Journal of Biological Chemistry, 2015, 290, 16031-16042.	3.4	21
154	Granulocyte colonyâ€stimulating factor (Gâ€CSF) plays an important role in immune complexâ€mediated arthritis. European Journal of Immunology, 2016, 46, 1235-1245.	2.9	21
155	CCL17 in Inflammation and Pain. Journal of Immunology, 2020, 205, 213-222.	0.8	21
156	CSF-1 and cell cycle control in macrophages. Molecular Reproduction and Development, 1997, 46, 19-23.	2.0	20
157	Extracellular proteomes of Mâ€CSF (CSFâ€1) and GMâ€CSFâ€dependent macrophages. Immunology and Cell Biology, 2011, 89, 283-293.	2.3	20
158	Proliferation-independent Induction of Macrophage Cyclin D2, and Repression of Cyclin D1, by Lipopolysaccharide. Journal of Biological Chemistry, 1998, 273, 23104-23109.	3.4	19
159	Urokinase-type plasminogen activator and arthritis progression: contrasting roles in systemic and monoarticular arthritis models. Arthritis Research and Therapy, 2010, 12, R199.	3.5	19
160	GMâ€CSF and uPA are required for Porphyromonas gingivalis â€induced alveolar bone loss in a mouse periodontitis model. Immunology and Cell Biology, 2015, 93, 705-715.	2.3	19
161	OSCARâ€collagen signaling in monocytes plays a proinflammatory role and may contribute to the pathogenesis of rheumatoid arthritis. European Journal of Immunology, 2016, 46, 952-963.	2.9	19
162	A Functional Immune System Is Required for the Systemic Genotoxic Effects of Localized Irradiation. International Journal of Radiation Oncology Biology Physics, 2019, 103, 1184-1193.	0.8	19

#	Article	IF	Citations
163	Colony stimulating factor-1 Is a negative regulator of the macrophage respiratory burst. Journal of Cellular Physiology, 1990, 144, 190-196.	4.1	18
164	Haematopoietic Colony Stimulating Factors CSF-1 and GM-CSF Increase Phosphatidylinositol 3-Kinase Activity in Murine Bone Marrow-Derived Macrophages. Growth Factors, 1994, 10, 181-192.	1.7	18
165	Regulation of urokinase plasminogen activator gene transcription in the RAW264 murine macrophage cell line by macrophage colony-stimulating factor (CSF-1) is dependent upon the level of cell-surface receptor. Biochemical Journal, 2000, 347, 313-320.	3.7	18
166	Colony-stimulating factor-1 (CSF-1) receptor-mediated macrophage differentiation in myeloid cells: a role for tyrosine 559-dependent protein phosphatase 2A (PP2A) activity. Biochemical Journal, 2001, 358, 431-436.	3.7	18
167	CpG DNA enhances macrophage cell spreading by promoting the Src-family kinase-mediated phosphorylation of paxillin. Cellular Signalling, 2006, 18, 2252-2261.	3.6	18
168	Protein phosphatase 2A is expressed in response to colony-stimulating factor 1 in macrophages and is required for cell cycle progression independently of extracellular signal-regulated protein kinase activity. Biochemical Journal, 1999, 339, 517-524.	3.7	17
169	Alzheimerâ€™s disease amyloid beta and prion protein amyloidogenic peptides promote macrophage survival, DNA synthesis and enhanced proliferative response to CSF-1 (M-CSF). Brain Research, 2002, 940, 49-54.	2.2	17
170	Plasminogen activator/plasmin system in arthritis and inflammation: Friend or foe?. Arthritis and Rheumatism, 2008, 58, 645-648.	6.7	17
171	Glucose Metabolism Is Required for Oxidized LDLâ€“Induced Macrophage Survival. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1283-1289.	2.4	17
172	Comparison of macrophage responses to oxidized low-density lipoprotein and macrophage colony-stimulating factor (M-CSF or CSF-1). Biochemical Journal, 2001, 354, 179-187.	3.7	16
173	A novel 110 kDa form of myosin XVIIIA (MysPDZ) is tyrosine-phosphorylated after colony-stimulating factor-1 receptor signalling. Biochemical Journal, 2004, 380, 243-253.	3.7	16
174	A proteomics strategy for the enrichment of receptor-associated complexes. Proteomics, 2005, 5, 4754-4763.	2.2	16
175	Glycolytic control of adjuvant-induced macrophage survival: role of PI3K, MEK1/2, and Bcl-2. Journal of Leukocyte Biology, 2009, 85, 947-956.	3.3	16
176	A potential role for the Src-like adapter protein SLAP-2 in signaling by the colony stimulating factor-1 receptor. FEBS Journal, 2006, 273, 1791-1804.	4.7	15
177	Effects of wortmannin and rapamycin on CSF-1-mediated responses in macrophages. International Journal of Biochemistry and Cell Biology, 1998, 30, 271-283.	2.8	14
178	Oxidized LDL Can Promote Human Monocyte Survival. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 2329-2331.	2.4	14
179	The Critical Role of the Colony-Stimulating Factor-1 Receptor in the Differentiation of Myeloblastic Leukemia Cells. Molecular Cancer Research, 2008, 6, 458-467.	3.4	14
180	The role of the RgpAâ€“Kgp proteinaseâ€“adhesin complexes in the adherence of Porphyromonas gingivalis to fibroblasts. Microbiology (United Kingdom), 2008, 154, 2904-2911.	1.8	14

#	Article	IF	Citations
181	The stimulation of human synovial fibroblast plasminogen activator activity Involvement of cyclic AMP and cyclooxygenase products. Biochimica Et Biophysica Acta - Molecular Cell Research, 1986, 886, 195-202.	4.1	13
182	Extracellular Mutations of Non-obese Diabetic Mouse FcÎ³RI Modify Surface Expression and Ligand Binding. Journal of Biological Chemistry, 1996, 271, 17091-17099.	3.4	13
183	Direct Comparison of the Effects of CSF-1 (M-CSF) and GM-CSF on Human Monocyte DNA Synthesis and CSF Receptor Expression. Journal of Interferon and Cytokine Research, 1999, 19, 417-423.	1.2	13
184	Colony-stimulating factor-1 (CSF-1) receptor-mediated macrophage differentiation in myeloid cells: a role for tyrosine 559-dependent protein phosphatase 2A (PP2A) activity. Biochemical Journal, 2001, 358, 431.	3.7	13
185	Type I interferon antagonism of the JMJD3-IRF4 pathway modulates macrophage activation and polarization. Cell Reports, 2022, 39, 110719.	6.4	13
186	GM-CSF and IL-3 stimulate diacylglycerol generation in murine bone marrow-derived macrophages. Biochemical and Biophysical Research Communications, 1991, 179, 586-591.	2.1	12
187	The effect of interleukin-4 on the macrophage respiratory burst is species dependent. Biochemical and Biophysical Research Communications, 1992, 182, 727-732.	2.1	12
188	Regulation of IRAK-1 activation by its C-terminal domain. Cellular Signalling, 2009, 21, 719-726.	3.6	12
189	Low dose metal particles can induce monocyte/macrophage survival. Journal of Orthopaedic Research, 2009, 27, 1481-1486.	2.3	12
190	Hypoxia Enhances the Proliferative Response of Macrophages to CSF-1 and Their Pro-Survival Response to TNF. PLoS ONE, 2012, 7, e45853.	2.5	12
191	The development of macrophages from human CD34+ haematopoietic stem cells in serum-free cultures is optimized by IL-3 and SCF. Cytokine, 2013, 61, 33-37.	3.2	12
192	High numbers of circulating pigmented polymorphonuclear neutrophils as a prognostic marker for decreased birth weight during malaria in pregnancy. International Journal for Parasitology, 2015, 45, 107-111.	3.1	12
193	The effect of tissue type-plasminogen activator deletion and associated fibrin(ogen) deposition on macrophage localization in peritoneal inflammation. Thrombosis and Haemostasis, 2006, 95, 659-667.	3.4	12
194	Type I Interferons Mediate the Lipopolysaccharide Induction of Macrophage Cyclin D2. Journal of Interferon and Cytokine Research, 2000, 20, 355-359.	1.2	11
195	Enhancement of macrophage survival and DNA synthesis by oxidized-low-density-lipoprotein (LDL)-derived lipids and by aggregates of lightly oxidized LDL. Biochemical Journal, 2001, 355, 207-214.	3.7	11
196	Soluble CD163, a Product of Monocyte/Macrophage Activation, Is Inversely Associated with Haemoglobin Levels in Placental Malaria. PLoS ONE, 2013, 8, e64127.	2.5	11
197	Inhibition of purinergic P2X receptor 7 (P2X7R) decreases granulocyte-macrophage colony-stimulating factor (GM-CSF) expression in U251 glioblastoma cells. Scientific Reports, 2020, 10, 14844.	3.3	11
198	Protein kinase C has both stimulatory and suppressive effects on macrophage superoxide production. Journal of Cellular Physiology, 1992, 152, 64-70.	4.1	10

#	Article	IF	Citations
199	cAMP inhibits CSF-1-stimulated tyrosine phosphorylation but augments CSF-1R-mediated macrophage differentiation and ERK activation. FEBS Journal, 2005, 272, 4141-4152.	4.7	10
200	IL-23 in arthritic and inflammatory pain development in mice. Arthritis Research and Therapy, 2020, 22, 123.	3.5	10
201	Regulation of the plasminogen activator activity of macrophage tumor cell lines. International Journal of Immunopharmacology, 1980, 2, 353-362.	1.1	9
202	Comparison of macrophage responses to oxidized low-density lipoprotein and macrophage colony-stimulating factor (M-CSF or CSF-1). Biochemical Journal, 2001, 354, 179.	3.7	9
203	Enhancement of macrophage survival and DNA synthesis by oxidized-low-density-lipoprotein (LDL)-derived lipids and by aggregates of lightly oxidized LDL. Biochemical Journal, 2001, 355, 207.	3.7	8
204	The effect of tissue type-plasminogen activator deletion and associated fibrin(ogen) deposition on macrophage localization in peritoneal inflammation. Thrombosis and Haemostasis, 2006, 95, 659-67.	3.4	8
205	Identification of Phosphoproteins Specific to Granulocyte Colony-Stimulating Factor-Mediated Signaling Using 2D-SDS-PAGE. Journal of Interferon and Cytokine Research, 1997, 17, 77-86.	1.2	7
206	Bone marrow transplantation in auto-immune disease. Bailliere's Clinical Rheumatology, 1995, 9, 673-687.	1.0	6
207	Granulocyte Colony-Stimulating Factor-Stimulated Proliferation of Myeloid Cells: Mode of Cell Cycle Control by a Range of Inhibitors. Journal of Interferon and Cytokine Research, 1996, 16, 869-877.	1.2	6
208	GM-CSF is not essential for optimal fertility or for weight control. Cytokine, 2012, 57, 30-31.	3.2	6
209	Protein phosphatase 2A is expressed in response to colony-stimulating factor 1 in macrophages and is required for cell cycle progression independently of extracellular signal-regulated protein kinase activity. Biochemical Journal, 1999, 339, 517.	3.7	5
210	Proliferative monocyte frequency is associated with circulating monocyte prevalence. Leukemia Research, 2012, 36, e175-e177.	0.8	5
211	Coagulation of human plasma by asbestos fibers. Environmental Research, 1981, 26, 119-124.	7.5	4
212	A Colony-Stimulating Factor Network Involving Mononuclear Phagocytes and Other Cells. , 1993, , 29-35.		4
213	Regulation of WAVE1 expression in macrophages at multiple levels. Journal of Leukocyte Biology, 2008, 84, 1483-1491.	3.3	4
214	Regulation of urokinase plasminogen activator gene transcription in the RAW264 murine macrophage cell line by macrophage colony-stimulating factor (CSF-1) is dependent upon the level of cell-surface receptor. Biochemical Journal, 2000, 347, 313.	3.7	3
215	HUVEC co-culture and haematopoietic growth factors modulate human proliferative monocyte activity. Cytokine, 2012, 59, 31-34.	3.2	3
216	Importance of the C-Terminal Domain of Harc for Binding to Hsp70 and Hop as Well as Its Response to Heat Shock. Biochemistry, 2007, 46, 15144-15152.	2.5	2

#	Article	IF	Citations
217	Therapeutic potential of targeting inflammation. Inflammation Research, 2013, 62, 653-657.	4.0	2
218	Colony stimulating factors and macrophage heterogeneity. Inflammation and Regeneration, 2011, 31, 228-236.	3.7	2
219	Colony Stimulating Factors (CSFs). , 2016, , 586-596.		1
220	Cytokine-Induced Acute Inflammatory Monoarticular Arthritis. Methods in Molecular Biology, 2018, 1784, 215-223.	0.9	1
221	Copper/zinc superoxide dismutase is phosphorylated and modulated specifically by granulocyte-colony stimulating factor in myeloid cells. Proteomics, 2001, 1, 435-443.	2.2	1
222	Macrophages and Prostaglandins. Blood Cell Biochemistry, 1993, , 149-159.	0.3	1
223	Introduction to the Special Issue: The regulation of the immune system by colony stimulating factors (CSFs) in the steady state and pathology. Seminars in Immunology, 2021, 54, 101543.	5.6	1
224	The role of interleukin (IL)-23 in regulating pain in arthritis. Arthritis Research and Therapy, 2022, 24, 89.	3.5	1