

CITATION REPORT

List of articles citing

Transcriptional profiling of the human monocyte-to-macrophage differentiation and polarization: new molecules and patterns of gene expression

DOI: 10.4049/jimmunol.177.10.7303
Journal of Immunology, 2006, 177, 7303-11.

Source: <https://exaly.com/paper-pdf/39708686/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1940	Histiocytic proliferations in childhood. 504-539		3
1939	G-protein-coupled receptor expression, function, and signaling in macrophages. 2007 , 82, 16-32		81
1938	Gene expression profiling during differentiation of human monocytes to macrophages or dendritic cells. 2007 , 82, 710-20		120
1937	Characterisation and trophic functions of murine embryonic macrophages based upon the use of a Csf1r-EGFP transgene reporter. 2007 , 308, 232-46		173
1936	Role of chemokines for the localization of leukocyte subsets in the kidney. 2007 , 27, 260-74		41
1935	Glucocorticoid Effects on Immune Responses. 2007 , 147-167		9
1934	Gene expression profiling of cutaneous wound healing. 2007 , 5, 11		143
1933	Potency analysis of cellular therapies: the emerging role of molecular assays. 2007 , 5, 24		24
1932	Gene expression profiling of peripheral blood from patients with untreated new-onset systemic juvenile idiopathic arthritis reveals molecular heterogeneity that may predict macrophage activation syndrome. 2007 , 56, 3793-804		184
1931	New vistas on macrophage differentiation and activation. 2007 , 37, 14-6		306
1930	Alternatively activated macrophages in protozoan infections. 2007 , 19, 454-9		78
1929	Transcriptional diversity during monocyte to macrophage differentiation. 2008 , 117, 70-80		59
1928	The IL-2/CD25 pathway determines susceptibility to T1D in humans and NOD mice. 2008 , 28, 685-96		47
1927	Possible involvement of the M2 anti-inflammatory macrophage phenotype in growth of human gliomas. 2008 , 216, 15-24		535
1926	Nippostrongylus brasiliensis infection leads to the development of emphysema associated with the induction of alternatively activated macrophages. 2008 , 38, 479-88		77
1925	Type I interferon-dependent and -independent expression of tripartite motif proteins in immune cells. 2008 , 38, 619-30		118
1924	From phagocyte diversity and activation to probiotics: back to Metchnikoff. 2008 , 38, 3269-73		60

1923	The molecular signature of oxidative metabolism and the mode of macrophage activation determine the shift from acute to chronic disease in experimental arthritis: critical role of interleukin-12p40. 2008 , 58, 3471-84	16
1922	Topographical control of human macrophages by a regularly microstructured polyvinylidene fluoride surface. 2008 , 29, 4056-64	99
1921	Blood monocytes: distinct subsets, how they relate to dendritic cells, and their possible roles in the regulation of T-cell responses. 2008 , 86, 398-408	292
1920	TRIM family proteins and their emerging roles in innate immunity. 2008 , 8, 849-60	681
1919	The multifaceted contributions of leukocyte subsets to atherosclerosis: lessons from mouse models. 2008 , 8, 802-15	625
1918	Exploring the full spectrum of macrophage activation. 2008 , 8, 958-69	5854
1917	Role of inflammation in right ventricular damage and repair following experimental pulmonary embolism in rats. 2008 , 89, 389-99	53
1916	Interaction between inflammation and angiogenesis during different stages of cervical carcinogenesis. 2008 , 108, 112-20	80
1915	Analyzing M-CSF dependent monocyte/macrophage differentiation: expression modes and meta-modes derived from an independent component analysis. 2008 , 9, 100	19
1914	Performance comparison of two microarray platforms to assess differential gene expression in human monocyte and macrophage cells. 2008 , 9, 302	37
1913	The role of chemokines and cytokines in lung fibrosis. 2008 , 17, 151-156	27
1912	The Microcirculation in Inflammation. 2008 , 387-448	7
1911	The Microcirculation in Inflammation. 2008 , 387-448	2
1910	Role of arginine metabolism in immunity and immunopathology. 2007 , 212, 795-812	114
1909	A genome-wide analysis of LPS tolerance in macrophages. 2007 , 212, 723-37	66
1908	Effective induction of anti-tumor immune responses with oligomannose-coated liposome targeting to intraperitoneal phagocytic cells. 2008 , 260, 137-45	55
1907	Identification of interleukin-1 and interleukin-6-responsive genes in human monocyte-derived macrophages using microarrays. 2008 , 1779, 383-9	44
1906	Differentiation of human monocytes in vitro following exposure to Canova in the absence of cytokines. 2008 , 32, 147-52	10

1905	Alternative macrophage activation in periprosthetic osteolysis. 2008 , 41, 212-7		25
1904	Costimulation of dectin-1 and DC-SIGN triggers the arachidonic acid cascade in human monocyte-derived dendritic cells. <i>Journal of Immunology</i> , 2008 , 180, 5727-36	5-3	54
1903	Role of polymorphonuclear neutrophils on infectious complications stemming from <i>Enterococcus faecalis</i> oral infection in thermally injured mice. <i>Journal of Immunology</i> , 2008 , 180, 4133-8	5-3	24
1902	Peroxisome proliferator-activated receptor gamma activation promotes infiltration of alternatively activated macrophages into adipose tissue. 2008 , 283, 22620-7		147
1901	Transcriptome analysis reveals human cytomegalovirus reprograms monocyte differentiation toward an M1 macrophage. <i>Journal of Immunology</i> , 2008 , 181, 698-711	5-3	148
1900	Innate immune responses to TREM-1 activation: overlap, divergence, and positive and negative cross-talk with bacterial lipopolysaccharide. <i>Journal of Immunology</i> , 2008 , 180, 3520-34	5-3	128
1899	Critical roles for macrophages in islet angiogenesis and maintenance during pancreatic degeneration. 2008 , 57, 1605-17		44
1898	Pivotal Advance: Th-1 cytokines inhibit, and Th-2 cytokines promote fibrocyte differentiation. 2008 , 83, 1323-33		205
1897	Cooperative role of macrophages and neutrophils in host Antiprotozoan resistance in mice acutely infected with <i>Cryptosporidium parvum</i> . 2008 , 76, 3657-63		30
1896	<i>Francisella tularensis</i> live vaccine strain induces macrophage alternative activation as a survival mechanism. <i>Journal of Immunology</i> , 2008 , 181, 4159-67	5-3	110
1895	Polarization of primary human monocytes by IFN-gamma induces chromatin changes and recruits RNA Pol II to the TNF-alpha promoter. <i>Journal of Immunology</i> , 2008 , 180, 5257-66	5-3	32
1894	Remodeling phenotype of human subcutaneous adipose tissue macrophages. 2008 , 117, 806-15		280
1893	Epigenetic control of MHC class II expression in tumor-associated macrophages by decoy receptor 3. 2008 , 111, 5054-63		100
1892	Transcriptional Profiling of the Human Monocyte-to-Macrophage Differentiation and Polarization: New Molecules and Patterns of Gene Expression. 2008 , 2008, 363		4
1891	Macrophages and cancer. 2008 , 13, 3494-505		59
1890	Gene expression profiling of human decidual macrophages: evidence for immunosuppressive phenotype. 2008 , 3, e2078		267
1889	Is the Adipose Tissue the Key Road to Inflammation?. 2009 , 1, III.S2145		8
1888	Human TRIM gene expression in response to interferons. 2009 , 4, e4894		184

1887	Tolerance and M2 (alternative) macrophage polarization are related processes orchestrated by p50 nuclear factor kappaB. 2009 , 106, 14978-83		452
1886	M2 macrophages phagocytose rituximab-opsonized leukemic targets more efficiently than m1 cells in vitro. <i>Journal of Immunology</i> , 2009 , 182, 4415-22	5:3	198
1885	Anti-inflammatory and immunosuppressive activation of human monocytes by a bioactive dendrimer. 2009 , 85, 553-62		79
1884	Formyl peptide receptor-like 2 is expressed and functional in plasmacytoid dendritic cells, tissue-specific macrophage subpopulations, and eosinophils. <i>Journal of Immunology</i> , 2009 , 182, 4974-84	5:3	59
1883	Hypoxia prolongs monocyte/macrophage survival and enhanced glycolysis is associated with their maturation under aerobic conditions. <i>Journal of Immunology</i> , 2009 , 182, 7974-81	5:3	109
1882	Smoking-dependent reprogramming of alveolar macrophage polarization: implication for pathogenesis of chronic obstructive pulmonary disease. <i>Journal of Immunology</i> , 2009 , 183, 2867-83	5:3	286
1881	Enterococcus faecalis translocation in mice with severe burn injury: a pathogenic role of CCL2 and alternatively activated macrophages (M2aMphi and M2cMphi). 2009 , 86, 999-1005		29
1880	The novel lipopolysaccharide-binding protein CRISPLD2 is a critical serum protein to regulate endotoxin function. <i>Journal of Immunology</i> , 2009 , 183, 6646-56	5:3	48
1879	Alternatively activated and immunoregulatory monocytes in human filarial infections. 2009 , 199, 1827-37		76
1878	The alternatively activated human--redux. 2009 , 199, 1723-5		2
1877	Inflammatory and alternatively activated human macrophages attract vessel-associated stem cells, relying on separate HMGB1- and MMP-9-dependent pathways. 2009 , 85, 779-87		170
1876	The generation and properties of human macrophage populations from hemopoietic stem cells. 2009 , 85, 766-78		37
1875	Gene profiling of human adipose tissue during evoked inflammation in vivo. 2009 , 58, 2211-9		52
1874	Substance P-immunoreactive cells in the ovine pars tuberalis. 2009 , 89, 3-8		11
1873	Involvement of glypican-3 in the recruitment of M2-polarized tumor-associated macrophages in hepatocellular carcinoma. 2009 , 8, 2329-38		49
1872	Inflammation, prostatitis, proliferative inflammatory atrophy: 'Fertile ground' for prostate cancer development?. 2010 , 3, 3-12		11
1871	GM-CSF- and M-CSF-dependent macrophage phenotypes display differential dependence on type I interferon signaling. 2009 , 86, 411-21		203
1870	Genome-wide innate immune responses in HIV-1-infected macrophages are preserved despite attenuation of the NF-kappa B activation pathway. <i>Journal of Immunology</i> , 2009 , 182, 319-28	5:3	25

1869	Colony-stimulating factor-1 (CSF-1) delivers a proatherogenic signal to human macrophages. 2009 , 85, 278-88	60
1868	Antiretroviral therapy in macrophages: implication for HIV eradication. 2009 , 20, 63-78	75
1867	Pathologic correlates of primary central nervous system lymphoma defined in an orthotopic xenograft model. 2009 , 15, 1989-97	33
1866	ATP-induced apoptosis involves a Ca ²⁺ -independent phospholipase A2 and 5-lipoxygenase in macrophages. 2009 , 88, 51-61	29
1865	Detection of M2 macrophages and colony-stimulating factor 1 expression in serous and mucinous ovarian epithelial tumors. 2009 , 59, 300-5	154
1864	Deciphering the transcriptional circuitry of microRNA genes expressed during human monocytic differentiation. 2009 , 10, 595	57
1863	Mesenchymal stem cell-educated macrophages: a novel type of alternatively activated macrophages. 2009 , 37, 1445-53	573
1862	The protozoan parasite <i>Theileria annulata</i> alters the differentiation state of the infected macrophage and suppresses musculoaponeurotic fibrosarcoma oncogene (MAF) transcription factors. 2009 , 39, 1099-108	15
1861	Cell cycle and viral and immunologic profiles of head and neck squamous cell carcinoma as predictable variables of tumor progression. 2009 , 31, 318-27	53
1860	ATP-binding cassette transporter hallmarks tissue macrophages and modulates cytokine-triggered polarization programs. 2009 , 39, 2270-80	20
1859	Absence of a classically activated macrophage cytokine signature in peripheral spondylarthritis, including psoriatic arthritis. 2009 , 60, 966-75	116
1858	Glycosyltransferase and sulfotransferase gene expression profiles in human monocytes, dendritic cells and macrophages. 2009 , 26, 1259-74	35
1857	Brain antigens in functionally distinct antigen-presenting cell populations in cervical lymph nodes in MS and EAE. 2009 , 87, 273-86	93
1856	The transcriptome of human monocyte subsets begins to emerge. 2009 , 8, 99	32
1855	Delayed growth of EL4 lymphoma in SR-A-deficient mice is due to upregulation of nitric oxide and interferon-gamma production by tumor-associated macrophages. 2009 , 100, 2160-6	25
1854	Dynamics of macrophage polarization reveal new mechanism to inhibit IL-1beta release through pyrophosphates. 2009 , 28, 2114-27	199
1853	Tumor-associated macrophage-induced invasion and angiogenesis of human basal cell carcinoma cells by cyclooxygenase-2 induction. 2009 , 129, 1016-25	247
1852	Trophic macrophages in development and disease. 2009 , 9, 259-70	865

1851	Alternatively activated macrophages (M2 macrophages) in the skin of patient with localized scleroderma. 2009 , 18, 727-9		63
1850	Macrophage phenotype and remodeling outcomes in response to biologic scaffolds with and without a cellular component. 2009 , 30, 1482-91		658
1849	Macrophage diversity and polarization in atherosclerosis: a question of balance. 2009 , 29, 1419-23		325
1848	Porcine myelomonocytic markers and cell populations. 2009 , 33, 284-98		65
1847	A refined characterisation of the NeoHepatocyte phenotype necessitates a reappraisal of the transdifferentiation hypothesis. 2009 , 77, 263-76		6
1846	NF-kappaB and phosphatidylinositol 3-kinase activity mediates the HCMV-induced atypical M1/M2 polarization of monocytes. 2009 , 144, 329-33		60
1845	Expression and function of semaphorin 3A and its receptors in human monocyte-derived macrophages. 2009 , 70, 211-7		75
1844	Tumor-associated macrophages and the related myeloid-derived suppressor cells as a paradigm of the diversity of macrophage activation. 2009 , 70, 325-30		270
1843	The role and regulation of 11beta-hydroxysteroid dehydrogenase type 1 in the inflammatory response. 2009 , 301, 123-31		65
1842	Alternative activation of macrophages: an immunologic functional perspective. 2009 , 27, 451-83		1997
1841	Monocyte urokinase-type plasminogen activator up-regulation reduces thrombus size in a model of venous thrombosis. 2009 , 50, 1127-34		30
1840	Blood monocytes: development, heterogeneity, and relationship with dendritic cells. 2009 , 27, 669-92		1150
1839	Pathogenic mechanisms of allergic inflammation: atopic asthma as a paradigm. 2009 , 104, 51-113		16
1838	Wound repair at a glance. 2009 , 122, 3209-13		495
1837	M1 and M2a polarization of human monocyte-derived macrophages inhibits HIV-1 replication by distinct mechanisms. <i>Journal of Immunology</i> , 2009 , 182, 6237-46	5-3	145
1836	Using global gene expression patterns to characterize Annexin V positive and negative human monocytes in culture. 2009 , 69, 251-64		3
1835	Global Transcriptional Analysis for Biomarker Discovery and Validation in Cellular Therapies. 2009 , 13, 181-193		7
1834	Orchestration of macrophage polarization. 2009 , 114, 3135-6		91

1833	Tumor-associated macrophages (TAM) as major players of the cancer-related inflammation. 2009 , 86, 1065-73	979
1832	HIV-1 infection of macrophages is dependent on evasion of innate immune cellular activation. 2009 , 23, 2255-63	70
1831	Macrophage heterogeneity in atherosclerotic plaques. 2009 , 20, 370-8	134
1830	Macrophage heterogeneity: relevance and functional implications in atherosclerosis. 2010 , 8, 233-48	38
1829	M1-activated macrophages migration, a marker of aortic atheroma progression: a preclinical MRI study in mice. 2010 , 45, 262-9	9
1828	Infiltration of thymidine phosphorylase-positive macrophages is closely associated with tumor angiogenesis and survival in intestinal type gastric cancer. 2010 , 24, 405-15	41
1827	Control of iron homeostasis as a key component of macrophage polarization. 2010 , 95, 1801-3	36
1826	Polarization dictates iron handling by inflammatory and alternatively activated macrophages. 2010 , 95, 1814-22	191
1825	Cyanobacterial cyclopeptides as lead compounds to novel targeted cancer drugs. 2010 , 8, 629-57	61
1824	Pre-operative intracellular glutathione levels of peripheral monocytes as a biomarker to predict survival of colorectal cancer patients. 2010 , 59, 1457-65	3
1823	The multiple roles of monocyte subsets in steady state and inflammation. 2010 , 67, 2685-93	90
1822	The tumor microenvironment in colorectal carcinogenesis. 2010 , 3, 149-66	137
1821	A role for potassium permeability in the recognition, clearance, and anti-inflammatory effects of apoptotic cells. 2010 , 42, 17-24	3
1820	Suppressive effect on MDC and IP-10 expression in monocytes by endocrine disruptor chemicals. 2010 , 33, 10-7	14
1819	In vivo imaging of tumor apoptosis using histone H1-targeting peptide. 2010 , 148, 283-91	69
1818	Interleukin-33 contributes to both M1 and M2 chemokine marker expression in human macrophages. 2010 , 11, 52	86
1817	Ratio of M2 macrophage expression is closely associated with poor prognosis for Angioimmunoblastic T-cell lymphoma (AITL). 2010 , 60, 278-83	104
1816	Stimulation of angiogenesis resulting from cooperation between macrophages and MDA-MB-231 breast cancer cells: proposed molecular mechanism and effect of tetrathiomolybdate. 2010 , 10, 375	26

1815	Obesity related methylation changes in DNA of peripheral blood leukocytes. 2010 , 8, 87	164
1814	Brevetoxin-2 induces an inflammatory response in an alveolar macrophage cell line. 2010 , 213, 352-8	5
1813	Differential regulation of iron homeostasis during human macrophage polarized activation. 2010 , 40, 824-35	277
1812	Macrophage polarization to a unique phenotype driven by B cells. 2010 , 40, 2296-307	126
1811	Biologic predictors of extension of oligoarticular juvenile idiopathic arthritis as determined from synovial fluid cellular composition and gene expression. 2010 , 62, 896-907	53
1810	Enhancement of ischemic wound healing by inducement of local angiogenesis. 2010 , 120, 1744-8	8
1809	Quantitative considerations for suspension array assays. 2010 , 145, 17-22	5
1808	Alternative activation of macrophages: mechanism and functions. 2010 , 32, 593-604	2673
1807	Selection of reliable reference genes during THP-1 monocyte differentiation into macrophages. 2010 , 11, 90	74
1806	Biological activities of cytokine-neutralizing hyaluronic acid-antibody conjugates. 2010 , 18, 302-10	15
1805	Significance of alternatively activated macrophages in patients with intrahepatic cholangiocarcinoma. 2010 , 101, 1913-9	178
1804	Involvement of M2-polarized macrophages in the ascites from advanced epithelial ovarian carcinoma in tumor progression via Stat3 activation. 2010 , 101, 2128-36	111
1803	Circulating monocytes from systemic sclerosis patients with interstitial lung disease show an enhanced profibrotic phenotype. 2010 , 90, 812-23	176
1802	Induction of microRNAs, mir-155, mir-222, mir-424 and mir-503, promotes monocytic differentiation through combinatorial regulation. 2010 , 24, 460-6	205
1801	IL-34 and M-CSF share the receptor Fms but are not identical in biological activity and signal activation. 2010 , 17, 1917-27	161
1800	The Jmjd3-Irf4 axis regulates M2 macrophage polarization and host responses against helminth infection. 2010 , 11, 936-44	803
1799	Macrophage plasticity and interaction with lymphocyte subsets: cancer as a paradigm. 2010 , 11, 889-96	2436
1798	Effect of natural compounds on human macrophage activation. 2010 , 30, 520-523	

1797	Eicosanoids in the innate immune response: TLR and non-TLR routes. 2010 , 2010,		27
1796	Gene expression study of monocytes/macrophages during early foreign body reaction and identification of potential precursors of myofibroblasts. 2010 , 5, e12949		21
1795	[Is macrophage polarization the Gordian knot of bacterial infections?]. 2010 , 26, 83-8		1
1794	Phospholipase A2-modified low-density lipoprotein activates macrophage peroxisome proliferator-activated receptors. 2010 , 30, 313-20		15
1793	Control of macrophage activation and function by PPARs. 2010 , 106, 1559-69		346
1792	CXC chemokine ligand 4 induces a unique transcriptome in monocyte-derived macrophages. <i>Journal of Immunology</i> , 2010 , 184, 4810-8	5-3	194
1791	Macrophage polarization and HIV-1 infection. 2010 , 87, 599-608		114
1790	A subpopulation of CD163-positive macrophages is classically activated in psoriasis. 2010 , 130, 2412-22		191
1789	The interaction of human natural killer cells with either unpolarized or polarized macrophages results in different functional outcomes. 2010 , 107, 21659-64		160
1788	Substrate fate in activated macrophages: a comparison between innate, classic, and alternative activation. <i>Journal of Immunology</i> , 2010 , 185, 605-14	5-3	627
1787	Similarity and diversity in macrophage activation by nematodes, trematodes, and cestodes. 2010 , 2010, 262609		65
1786	Apolipoprotein A-I mimetic 4F alters the function of human monocyte-derived macrophages. 2010 , 298, C1538-48		86
1785	The human cytomegalovirus UL36 gene controls caspase-dependent and -independent cell death programs activated by infection of monocytes differentiating to macrophages. 2010 , 84, 5108-23		48
1784	CXCR3-dependent accumulation and activation of perivascular macrophages is necessary for homeostatic arterial remodeling to hemodynamic stresses. 2010 , 207, 1951-66		74
1783	CXCL4 downregulates the atheroprotective hemoglobin receptor CD163 in human macrophages. 2010 , 106, 203-11		102
1782	Targeting the microenvironment. 2010 , 51 Suppl 1, 34-40		12
1781	Alternative activation of tumor-associated macrophages by IL-4: priming for protumoral functions. 2010 , 9, 4824-35		111
1780	Macrophages in renal development, injury, and repair. 2010 , 30, 255-67		30

1779	Comprehensive analysis of TLR4-induced transcriptional responses in interleukin 4-primed mouse macrophages. 2010 , 215, 780-7		26
1778	Transcriptional profiling of the injured sciatic nerve of mice carrying the Wld(S) mutant gene: identification of genes involved in neuroprotection, neuroinflammation, and nerve regeneration. 2010 , 24, 1254-67		73
1777	Gene expression profiling of PBMCs from Holstein and Jersey cows sub-clinically infected with <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> . 2010 , 137, 1-11		223
1776	A new mesenchymal stem cell (MSC) paradigm: polarization into a pro-inflammatory MSC1 or an immunosuppressive MSC2 phenotype. 2010 , 5, e10088		803
1775	Tumor progression stage and anatomical site regulate tumor-associated macrophage and bone marrow-derived monocyte polarization. 2010 , 176, 2972-85		66
1774	Tumor-conditioned macrophages secrete migration-stimulating factor: a new marker for M2-polarization, influencing tumor cell motility. <i>Journal of Immunology</i> , 2010 , 185, 642-52	5-3	275
1773	Characterization of monocyte/macrophage subsets in the skin and peripheral blood derived from patients with systemic sclerosis. 2010 , 12, R128		144
1772	Isolation and Measuring the Function of Professional Phagocytes. 2010 , 37, 195-226		
1771	New concepts on the immune modulation mediated by mesenchymal stem cells. 2010 , 1, 34		100
1770	Efficacy of CD14+ blood monocytes/macrophages isolation: positive versus negative MACS protocol. 2011 , 48, 57-63		11
1769	Monocyte and macrophage dynamics during atherogenesis. 2011 , 31, 1506-16		390
1768	Pulsed stable isotope labeling of amino acids in cell culture uncovers the dynamic interactions between HIV-1 and the monocyte-derived macrophage. 2011 , 10, 2852-62		18
1767	Increased expression of the chemokine CCL23 in eosinophilic chronic rhinosinusitis with nasal polyps. 2011 , 128, 73-81.e4		67
1766	Role of Hypoxia-Inducible Transcription Factors in TAM Function. 2011 , 167-181		
1765	Inflammation and wound healing. 2011 , 24, 26-38		18
1764	Macrophages in cancer and infectious diseases: the 'good' and the 'bad'. 2011 , 3, 1185-202		22
1763	Genomic and phenotypic characterization of nurse-like cells that promote drug resistance in chronic lymphocytic leukemia. 2011 , 52, 1404-6		37
1762	Colony-stimulating factor-1 promotes kidney growth and repair via alteration of macrophage responses. 2011 , 179, 1243-56		113

1761	Toxoplasma polymorphic effectors determine macrophage polarization and intestinal inflammation. 2011 , 9, 472-83	159
1760	Regulation of macrophage differentiation and polarization by group IVC phospholipase A α 2011 , 416, 325-30	4
1759	Repertoire of microglial and macrophage responses after spinal cord injury. 2011 , 12, 388-99	880
1758	Analysis of the cumulative changes in Graves' disease thyroid glands points to IFN signature, plasmacytoid DCs and alternatively activated macrophages as chronicity determining factors. 2011 , 36, 189-200	22
1757	Histomorphometric analysis of the phenotypical differentiation of recruited macrophages following subcutaneous implantation of an allogeneous acellular dermal matrix. 2011 , 40, 401-7	19
1756	A glimpse on the phenomenon of macrophage polarization during atherosclerosis. 2011 , 216, 1172-6	59
1755	Macrophages.com: an on-line community resource for innate immunity research. 2011 , 216, 1203-11	16
1754	Iron trafficking and metabolism in macrophages: contribution to the polarized phenotype. 2011 , 32, 241-7	206
1753	The anti-inflammatory and immunosuppressive effects of glucocorticoids, recent developments and mechanistic insights. 2011 , 335, 2-13	868
1752	Macrophage polarization in health and disease. 2011 , 11, 2391-402	183
1751	Adipose tissue macrophages: phenotypic plasticity and diversity in lean and obese states. 2011 , 14, 341-6	171
1750	Macrophage polarization and bacterial infections. 2011 , 24, 230-4	132
1749	Macrophage polarization in metabolic disorders: functions and regulation. 2011 , 22, 365-72	129
1748	Activin A skews macrophage polarization by promoting a proinflammatory phenotype and inhibiting the acquisition of anti-inflammatory macrophage markers. 2011 , 117, 5092-101	175
1747	p16INK4a deficiency promotes IL-4-induced polarization and inhibits proinflammatory signaling in macrophages. 2011 , 118, 2556-66	69
1746	Suppressive effects of imidapril on Th1- and Th2-related chemokines in monocytes. 2011 , 59, 1141-6	6
1745	Alternatively activated macrophages and impaired phagocytosis of S. aureus in chronic rhinosinusitis. 2011 , 66, 396-403	122
1744	Corosolic acid inhibits glioblastoma cell proliferation by suppressing the activation of signal transducer and activator of transcription-3 and nuclear factor-kappa B in tumor cells and tumor-associated macrophages. 2011 , 102, 206-11	99

1743	Interleukin-25 fails to activate STAT6 and induce alternatively activated macrophages. 2011 , 132, 66-77	10
1742	Human trophoblast-derived exosomal fibronectin induces pro-inflammatory IL-1 β production by macrophages. 2011 , 66, 259-69	99
1741	IRF5 promotes inflammatory macrophage polarization and TH1-TH17 responses. 2011 , 12, 231-8	818
1740	Germline CYBB mutations that selectively affect macrophages in kindreds with X-linked predisposition to tuberculous mycobacterial disease. 2011 , 12, 213-21	202
1739	Transcriptional regulation of macrophage polarization: enabling diversity with identity. 2011 , 11, 750-61	1366
1738	Peripheral blood gene expression profiles in metabolic syndrome, coronary artery disease and type 2 diabetes. 2011 , 12, 341-51	45
1737	Monocyte polarization: the relationship of genome-wide changes in H4 acetylation with polarization. 2011 , 12, 445-56	16
1736	Phenotypic and functional switch of macrophages induced by regulatory CD4 ⁺ CD25 ⁺ T cells in mice. 2011 , 89, 130-42	156
1735	STAT6 ^{+/?} mice exhibit decreased cells with alternatively activated macrophage phenotypes and enhanced disease severity in murine neurocysticercosis. 2011 , 232, 26-34	31
1734	Placental macrophage (Hofbauer cell) polarization is independent of maternal allergen-sensitization and presence of chorioamnionitis. 2011 , 32, 380-5	50
1733	Innate immunity and monocyte-macrophage activation in atherosclerosis. 2011 , 8, 9	92
1732	Identification and manipulation of tumor associated macrophages in human cancers. 2011 , 9, 216	323
1731	Molecular phenotype of monocytes at the maternal-fetal interface. 2011 , 205, 265.e1-8	19
1730	The CD47 pathway is deregulated in human immune thrombocytopenia. 2011 , 39, 486-94	16
1729	Analysis of alternative promoter usage in expression of HSD11B1 including the development of a transcript-specific quantitative real-time PCR method. 2011 , 191, 104-12	11
1728	CD4(+) T-cells are important in regulating macrophage polarization in C57BL/6 wild-type mice. 2011 , 266, 180-6	13
1727	Characterization of monocyte maturation/differentiation that facilitates their transmigration across the blood-brain barrier and infection by HIV: implications for NeuroAIDS. 2011 , 267, 109-23	89
1726	Proteomic biosignatures for monocyte-macrophage differentiation. 2011 , 271, 239-55	17

1725	Chemical transfection of dye-conjugated microRNA precursors for microRNA functional analysis of M2 macrophages. 2012 , 113, 1714-23	4
1724	Leishmania-induced repression of selected non-coding RNA genes containing B-box element at their promoters in alternatively polarized M2 macrophages. 2011 , 350, 47-57	11
1723	Class A scavenger receptor attenuates myocardial infarction-induced cardiomyocyte necrosis through suppressing M1 macrophage subset polarization. 2011 , 106, 1311-28	80
1722	Macrophage gene expression is related to obesity and the metabolic syndrome in human subcutaneous fat as well as in visceral fat. 2011 , 54, 876-87	60
1721	Exosomes/microvesicles: mediators of cancer-associated immunosuppressive microenvironments. 2011 , 33, 441-54	297
1720	Tissue engineering on matrix: future of autologous tissue replacement. 2011 , 33, 307-15	65
1719	Novel macrophage polarization model: from gene expression to identification of new anti-inflammatory molecules. 2011 , 68, 3095-107	65
1718	Regional expression of HOXA4 along the aorta and its potential role in human abdominal aortic aneurysms. 2011 , 11, 9	28
1717	Stimulation of neoplastic mouse lung cell proliferation by alveolar macrophage-derived, insulin-like growth factor-1 can be blocked by inhibiting MEK and PI3K activation. 2011 , 10, 76	29
1716	Different responses to oxidized low-density lipoproteins in human polarized macrophages. 2011 , 10, 1	91
1715	Classically and alternatively activated bone marrow derived macrophages differ in cytoskeletal functions and migration towards specific CNS cell types. 2011 , 8, 58	65
1714	Role of CLIC4 in the host innate responses to bacterial lipopolysaccharide. 2011 , 41, 1221-30	32
1713	Altered purinergic signaling in CD73-deficient mice inhibits tumor progression. 2011 , 41, 1231-41	122
1712	Regulators of macrophage activation. 2011 , 41, 1531-4	98
1711	Macrophage heterogeneity and acute inflammation. 2011 , 41, 2503-8	61
1710	Epigenetic control of macrophage polarization. 2011 , 41, 2490-3	81
1709	A quantifiable proliferative burst of tissue macrophages restores homeostatic macrophage populations after acute inflammation. 2011 , 41, 2155-64	148
1708	Cancer-promoting tumor-associated macrophages: new vistas and open questions. 2011 , 41, 2522-5	162

1707	Macrophage and dendritic cell phenotypic diversity in the context of biomaterials. 2011 , 96, 239-60		137
1706	Interferon and alternative activation of monocyte/macrophages in systemic sclerosis-associated pulmonary arterial hypertension. 2011 , 63, 1718-28		97
1705	Two unique human decidual macrophage populations. <i>Journal of Immunology</i> , 2011 , 186, 2633-42	5-3	203
1704	SHIP represses Th2 skewing by inhibiting IL-4 production from basophils. <i>Journal of Immunology</i> , 2011 , 186, 323-32	5-3	24
1703	The lens as a model for fibrotic disease. 2011 , 366, 1301-19		74
1702	Phosphorylation of CSF-1R Y721 mediates its association with PI3K to regulate macrophage motility and enhancement of tumor cell invasion. 2011 , 124, 2021-31		49
1701	Fes tyrosine kinase expression in the tumor niche correlates with enhanced tumor growth, angiogenesis, circulating tumor cells, metastasis, and infiltrating macrophages. 2011 , 71, 1465-73		18
1700	Macrophages at the fetal-maternal interface express markers of alternative activation and are induced by M-CSF and IL-10. <i>Journal of Immunology</i> , 2011 , 187, 3671-82	5-3	231
1699	Toll-like receptors participate in macrophage activation and intracellular control of <i>Leishmania (Viannia) panamensis</i> . 2011 , 79, 2871-9		48
1698	Increased expression of macrophage-inducible C-type lectin in adipose tissue of obese mice and humans. 2011 , 60, 819-26		63
1697	Worsening of obesity and metabolic status yields similar molecular adaptations in human subcutaneous and visceral adipose tissue: decreased metabolism and increased immune response. 2011 , 96, E73-82		82
1696	Functional and phenotypic characteristics of alternative activation induced in human monocytes by interleukin-4 or the parasitic nematode <i>Brugia malayi</i> . 2011 , 79, 3957-65		39
1695	Hck is a key regulator of gene expression in alternatively activated human monocytes. 2011 , 286, 36709-23		31
1694	The mononuclear phagocyte system of the pig as a model for understanding human innate immunity and disease. 2011 , 89, 855-71		136
1693	HDL promotes rapid atherosclerosis regression in mice and alters inflammatory properties of plaque monocyte-derived cells. 2011 , 108, 7166-71		239
1692	c-Maf-dependent growth of <i>Mycobacterium tuberculosis</i> in a CD14(hi) subpopulation of monocyte-derived macrophages. <i>Journal of Immunology</i> , 2011 , 186, 1638-45	5-3	11
1691	Endogenous epoxygenases are modulators of monocyte/macrophage activity. 2011 , 6, e26591		62
1690	Role of complement cascade in abdominal aortic aneurysms. 2011 , 31, 1653-60		38

1689	Does the classical M1/M2 dichotomy reflect the functional phenotypes of human decidual macrophages?. 2011 , 6, 377-380	1
1688	In vitro and in vivo anticancer activity of a synthetic glycolipid as Toll-like receptor 4 (TLR4) activator. 2011 , 286, 43782-43792	18
1687	Molecular mechanism for adiponectin-dependent M2 macrophage polarization: link between the metabolic and innate immune activity of full-length adiponectin. 2011 , 286, 13460-9	177
1686	CD204 suppresses large heat shock protein-facilitated priming of tumor antigen gp100-specific T cells and chaperone vaccine activity against mouse melanoma. <i>Journal of Immunology</i> , 2011 , 187, 2905-153	27
1685	Tumor-infiltrating macrophages are associated with metastasis suppression in high-grade osteosarcoma: a rationale for treatment with macrophage activating agents. 2011 , 17, 2110-9	271
1684	Novel fat depot-specific mechanisms underlie resistance to visceral obesity and inflammation in 11 β -hydroxysteroid dehydrogenase type 1-deficient mice. 2011 , 60, 1158-67	50
1683	Diabetes and tuberculosis: Analysis of a paradox. 2011 , 53, 139-153	7
1682	Microglia: key innate immune cells of the brain. 2011 , 39, 103-14	63
1681	Transcript origin analysis identifies antigen-presenting cells as primary targets of socially regulated gene expression in leukocytes. 2011 , 108, 3080-5	211
1680	<i>Orientia tsutsugamushi</i> stimulates an original gene expression program in monocytes: relationship with gene expression in patients with scrub typhus. 2011 , 5, e1028	50
1679	Tumor-Associated Macrophages in the Cutaneous SCC Microenvironment Are Heterogeneously Activated. 2011 , 131, 1322-1330	107
1678	Characteristics of suppressor macrophages induced by mycobacterial and protozoal infections in relation to alternatively activated M2 macrophages. 2012 , 2012, 635451	43
1677	Human monocyte responses to lipopolysaccharide and 9-cis retinoic acid after laparoscopic surgery for colon cancer. 2012 , 72, 593-601	2
1676	Macrophage Migration and Its Regulation by CSF-1. 2012 , 2012, 501962	65
1675	Preclinical mouse models and methods for the discovery of the causes and treatments of atherosclerosis. 2012 , 7, 207-16	14
1674	Monocyte-to-macrophage differentiation: synthesis and secretion of a complex extracellular matrix. 2012 , 287, 14122-35	71
1673	IL-36/IL-1F9, an innate T-bet target in myeloid cells. 2012 , 287, 41684-96	46
1672	Emerging roles of pulmonary macrophages in driving the development of severe asthma. 2012 , 91, 557-69	74

1671	Basal-like breast cancer cells induce phenotypic and genomic changes in macrophages. 2012 , 10, 727-38		72
1670	Regulatory macrophages as therapeutic targets and therapeutic agents in solid organ transplantation. 2012 , 17, 332-42		40
1669	Gene expression profiling of microdissected Hodgkin Reed-Sternberg cells correlates with treatment outcome in classical Hodgkin lymphoma. 2012 , 120, 3530-40		100
1668	Single-walled carbon nanotubes induce airway hyperreactivity and parenchymal injury in mice. 2012 , 46, 257-67		26
1667	Concise review: the potential of stromal cell-derived factor 1 and its receptors to promote stem cell functions in spinal cord repair. 2012 , 1, 732-9		28
1666	Tumor-cell co-culture induced alternative activation of macrophages is modulated by interferons in vitro. 2012 , 32, 169-77		21
1665	Macrophage-elicited loss of estrogen receptor- β in breast cancer cells via involvement of MAPK and c-Jun at the ESR1 genomic locus. 2012 , 31, 1825-34		41
1664	Diabetes promotes an inflammatory macrophage phenotype and atherosclerosis through acyl-CoA synthetase 1. 2012 , 109, E715-24		179
1663	Identifying functional microRNAs in macrophages with polarized phenotypes. 2012 , 287, 21816-25		263
1662	Human adipose tissue macrophages display activation of cancer-related pathways. 2012 , 287, 21904-13		48
1661	Vitamin D suppression of endoplasmic reticulum stress promotes an antiatherogenic monocyte/macrophage phenotype in type 2 diabetic patients. 2012 , 287, 38482-94		74
1660	Adiponectin induces pro-inflammatory programs in human macrophages and CD4+ T cells. 2012 , 287, 36896-904		87
1659	Differential Ly-6C expression identifies the recruited macrophage phenotype, which orchestrates the regression of murine liver fibrosis. 2012 , 109, E3186-95		600
1658	Noncanonical Notch signaling modulates cytokine responses of dendritic cells to inflammatory stimuli. <i>Journal of Immunology</i> , 2012 , 189, 1274-84	5-3	40
1657	Role of M2b macrophages in the acceleration of bacterial translocation and subsequent sepsis in mice exposed to whole body [^{137}Cs] γ irradiation. <i>Journal of Immunology</i> , 2012 , 189, 296-303	5-3	21
1656	HIV-1 proteins preferentially activate anti-inflammatory M2-type macrophages. <i>Journal of Immunology</i> , 2012 , 188, 3620-7	5-3	35
1655	Efficient clearance of early apoptotic cells by human macrophages requires M2c polarization and MerTK induction. <i>Journal of Immunology</i> , 2012 , 189, 3508-20	5-3	339
1654	Infrapatellar fat pad of patients with end-stage osteoarthritis inhibits catabolic mediators in cartilage. 2012 , 71, 288-94		72

1653	Inducible renitence limits <i>Listeria monocytogenes</i> escape from vacuoles in macrophages. <i>Journal of Immunology</i> , 2012 , 189, 4488-95	5-3	22
1652	CCL1 released from M2b macrophages is essentially required for the maintenance of their properties. 2012 , 92, 859-67		31
1651	Optimizing dynamic interactions between a cardiac patch and inflammatory host cells. 2012 , 195, 171-82		31
1650	Regulation of pattern recognition receptors by the apolipoprotein A-I mimetic peptide 4F. 2012 , 32, 2631-9		33
1649	Relevance of the MEK/ERK signaling pathway in the metabolism of activated macrophages: a metabolomic approach. <i>Journal of Immunology</i> , 2012 , 188, 1402-10	5-3	49
1648	Role of colony-stimulating factors in atherosclerosis. 2012 , 23, 412-21		37
1647	Polysaccharide from <i>Lentinus edodes</i> inhibits the immunosuppressive function of myeloid-derived suppressor cells. 2012 , 7, e51751		32
1646	TGF-beta: a master switch in tumor immunity. 2012 , 18, 4126-34		33
1645	Induction of M2-like macrophages in recipient NOD-scid mice by allogeneic donor CD4(+)CD25(+) regulatory T cells. 2012 , 9, 464-72		33
1644	Social Regulation of Gene Expression in the Immune System. 2012 ,		5
1643	Platelet-derived chemokines in atherogenesis: what's new?. 2012 , 10, 563-9		20
1642	The role of macrophage lineage cells in kidney graft rejection and survival. 2012 , 94, 309-18		31
1641	Response to the Letter by Finn et al. 2012 , 110,		3
1640	.		12
1639	Phenotypic and functional heterogeneity of macrophages and dendritic cell subsets in the healthy and atherosclerosis-prone aorta. 2012 , 3, 44		70
1638	Role of c-MYC in alternative activation of human macrophages and tumor-associated macrophage biology. 2012 , 119, 411-21		237
1637	Therapeutic applications of macrophage colony-stimulating factor-1 (CSF-1) and antagonists of CSF-1 receptor (CSF-1R) signaling. 2012 , 119, 1810-20		418
1636	Mesenchymal stem cell 1 (MSC1)-based therapy attenuates tumor growth whereas MSC2-treatment promotes tumor growth and metastasis. 2012 , 7, e45590		143

1635	Particulate systems for targeting of macrophages: basic and therapeutic concepts. 2012 , 4, 509-28	53
1634	Iron levels in polarized macrophages: regulation of immunity and autoimmunity. 2012 , 11, 883-9	86
1633	The limited role of interferon- γ in systemic juvenile idiopathic arthritis cannot be explained by cellular hyporesponsiveness. 2012 , 64, 3799-808	38
1632	Expression and regulation of 12/15-lipoxygenases in human primary macrophages. 2012 , 225, 121-7	41
1631	Sustained generation of nitric oxide and control of mycobacterial infection requires argininosuccinate synthase 1. 2012 , 12, 313-23	102
1630	Identification of novel markers of alternative activation and potential endogenous PPAR α ligand production mechanisms in human IL-4 stimulated differentiating macrophages. 2012 , 217, 1301-14	33
1629	Specific decidual CD14(+) cells hamper cognate NK cell proliferation and cytolytic mediator expression after mucin 1 treatment in vitro. 2012 , 95, 36-45	12
1628	Human cytomegalovirus infection of THP-1 derived macrophages reveals strain-specific regulation of actin dynamics. 2012 , 433, 64-72	11
1627	Self-limited versus delayed resolution of acute inflammation: temporal regulation of pro-resolving mediators and microRNA. 2012 , 2, 639	86
1626	Class A scavenger receptor promotes cerebral ischemic injury by pivoting microglia/macrophage polarization. 2012 , 218, 35-48	49
1625	Regulation of gene expression in atherosclerosis: insights from microarray studies in monocytes/macrophages. 2012 , 13, 477-95	11
1624	Endoplasmic reticulum stress controls M2 macrophage differentiation and foam cell formation. 2012 , 287, 11629-41	208
1623	The CXCL12/CXCR4 axis is involved in the maintenance of Th2 bias at the maternal/fetal interface in early human pregnancy. 2012 , 9, 423-30	39
1622	Regulation of inflammation by interleukin-4: a review of "alternatives". 2012 , 92, 753-64	212
1621	Macrophage diversity in cardiac inflammation: a review. 2012 , 217, 468-75	41
1620	All-trans retinoic acid up-regulates Prostaglandin-E Synthase expression in human macrophages. 2012 , 217, 593-600	5
1619	SDF-1/CXCL12: its role in spinal cord injury. 2012 , 44, 452-6	23
1618	The anti-inflammatory actions of IL-4 in human monocytes are not mediated by IL-10, RP105 or the kinase activity of RIPK2. 2012 , 58, 415-23	11

1617	Molecular characterization of tripartite motif protein 25 (TRIM25) involved in ER β -mediated transcription in the Korean rose bitterling <i>Rhodeus uyekii</i> . 2012 , 163, 147-53		10
1616	Toll-like receptors and macrophage activation in atherosclerosis. 2012 , 413, 3-14		72
1615	Orchestration of metabolism by macrophages. 2012 , 15, 432-7		355
1614	Glucocorticoids, Inflammation, and Bone. 2012 , 113-131		
1613	Preventive immunization of aged and juvenile non-human primates to β -amyloid. 2012 , 9, 84		17
1612	The activation state of macrophages alters their ability to suppress preadipocyte apoptosis. 2012 , 214, 21-9		10
1611	Monocyte-derived macrophages do not explain susceptibility to pulmonary non-tuberculous mycobacterial disease. 2012 , 1, e2		5
1610	The role of osteoclasts and tumour-associated macrophages in osteosarcoma metastasis. 2012 , 1826, 434-42		58
1609	Pig bone marrow-derived macrophages resemble human macrophages in their response to bacterial lipopolysaccharide. <i>Journal of Immunology</i> , 2012 , 188, 3382-94	5-3	98
1608	Analysis of gene expression and gene silencing in human macrophages. 2012 , Chapter 14, Unit 14.28.1-23		17
1607	The macrophage. 2012 , 844, 139-56		31
1606	Nod2-induced autocrine interleukin-1 alters signaling by ERK and p38 to differentially regulate secretion of inflammatory cytokines. 2012 , 143, 1530-43		32
1605	Increased expression of CC chemokine ligand 18 in patients with chronic rhinosinusitis with nasal polyps. 2012 , 129, 119-27.e1-9		61
1604	Association of the numbers of CD163(+) cells in lesional skin and serum levels of soluble CD163 with disease progression of cutaneous T cell lymphoma. 2012 , 68, 45-51		68
1603	Effect of modulating macrophage phenotype on peripheral nerve repair. 2012 , 33, 8793-801		216
1602	Blood leukocytes and macrophages of various phenotypes have distinct abilities to form podosomes and to migrate in 3D environments. 2012 , 91, 938-49		89
1601	Physiology and Pathophysiology of Wound Healing in Diabetes. 2012 , 127-149		1
1600	Immuno-modulatory effects of vitamin D3 in human monocyte and macrophages. 2012 , 280, 36-43		103

1599	Distribution of macrophage polarization markers in human atherosclerosis. 2012 , 225, 461-8	375
1598	Novel immune signals and atherosclerosis. 2012 , 14, 484-90	13
1597	Tec family kinases in inflammation and disease. 2012 , 31, 87-103	50
1596	Bone-Metabolic Functions and Modulators. 2012 ,	0
1595	The challenges of long-distance axon regeneration in the injured CNS. 2012 , 201, 253-94	36
1594	The dispanins: a novel gene family of ancient origin that contains 14 human members. 2012 , 7, e31961	59
1593	Increased microglia/macrophage gene expression in a subset of adult and pediatric astrocytomas. 2012 , 7, e43339	106
1592	High-resolution transcriptome of human macrophages. 2012 , 7, e45466	168
1591	Macrophages in malignant pleural effusions - alternatively activated tumor associated macrophages. 2012 , 16, 279-84	9
1590	Macrophage Phenotype Modulation by CXCL4 in Atherosclerosis. 2012 , 3, 1	384
1589	Macrophage plasticity and polarization: in vivo veritas. 2012 , 122, 787-95	3579
1588	The Role of Mesenchymal Stem Cells in the Tumor Microenvironment. 2012 ,	
1587	Chemokine receptor expression in peripheral blood monocytes from patients with neovascular age-related macular degeneration. 2012 , 53, 5292-300	42
1586	Macrophage differentiation and function in atherosclerosis: opportunities for therapeutic intervention?. 2012 , 4, 498-508	35
1585	Defining GM-CSF- and macrophage-CSF-dependent macrophage responses by in vitro models. <i>Journal of Immunology</i> , 2012 , 188, 5752-65	5-3 350
1584	Macrophage/foam cell is an attribute of inflammation: mechanisms of formation and functional role. 2012 , 77, 327-38	22
1583	M-CSF induces the expression of a membrane-bound form of IL-18 in a subset of human monocytes differentiating in vitro toward macrophages. 2012 , 42, 1618-26	64
1582	Comparison of polarization properties of human adult microglia and blood-derived macrophages. 2012 , 60, 717-27	320

1581	Amplification of the response to Toll-like receptor ligands by prolonged exposure to interleukin-6 in mice: implication for the pathogenesis of macrophage activation syndrome. 2012 , 64, 1680-8	87
1580	Gr1+ Macrophages and Dendritic Cells Dominate the Inflammatory Infiltrate 12 Hours After Experimental Intracerebral Hemorrhage. 2012 , 3, s125-s131	42
1579	Lipid homeostasis and the formation of macrophage-derived foam cells in atherosclerosis. 2012 , 3, 173-81	96
1578	Macrophage-tumor crosstalk: role of TAMR tyrosine kinase receptors and of their ligands. 2012 , 69, 1391-414	34
1577	Suppression of antigen-specific CD4+ T cell activation by SRA/CD204 through reducing the immunostimulatory capability of antigen-presenting cell. 2012 , 90, 413-26	22
1576	Macrophage polarization and plasticity in health and disease. 2012 , 53, 11-24	256
1575	Dexamethasone palmitate successfully attenuates hemophagocytic syndrome after allogeneic stem cell transplantation: macrophage-targeted steroid therapy. 2012 , 95, 428-33	15
1574	Origin and Functions of Tumor-Associated Myeloid Cells (TAMCs). 2012 , 5, 133-49	68
1573	Role of tumor-associated macrophages in the progression of hepatocellular carcinoma. 2012 , 42, 1-7	118
1572	Macrophage phenotype as a predictor of constructive remodeling following the implantation of biologically derived surgical mesh materials. 2012 , 8, 978-87	505
1571	The human C-type lectin-like receptor CLEC-1 is upregulated by TGF- β and primarily localized in the endoplasmic membrane compartment. 2012 , 75, 282-92	21
1570	The chemokine CCL18 causes maturation of cultured monocytes to macrophages in the M2 spectrum. 2012 , 135, 287-98	73
1569	Alternative activation in systemic juvenile idiopathic arthritis monocytes. 2012 , 142, 362-72	48
1568	Smoking during pregnancy influences the maternal immune response in mice and humans. 2012 , 207, 76.e1-14	18
1567	The expression of sonic hedgehog in diabetic wounds following treatment with poly(methacrylic acid-co-methyl methacrylate) beads. 2012 , 33, 5297-307	23
1566	The effect of source animal age upon the in vivo remodeling characteristics of an extracellular matrix scaffold. 2012 , 33, 5524-33	93
1565	Methylome of fetal and maternal monocytes and macrophages at the feto-maternal interface. 2012 , 68, 8-27	65
1564	Extracellular matrix remodelling properties of human fibrocytes. 2012 , 16, 483-95	49

1563	Differentiation and gene expression profile of tumor-associated macrophages. 2012 , 22, 289-97	167
1562	Systematic validation of specific phenotypic markers for in vitro polarized human macrophages. 2012 , 375, 196-206	260
1561	Surfing the data tsunami, a bioinformatic dissection of the proangiogenic monocyte. 2012 , 56, 297-305	10
1560	Modulation of maternal immune system during pregnancy in the cow. 2012 , 47 Suppl 4, 384-93	41
1559	Global gene expression profiles of canine macrophages and canine mammary cancer cells grown as a co-culture in vitro. 2012 , 8, 16	22
1558	Serum levels of soluble CD163 in patients with systemic sclerosis. 2012 , 32, 403-7	37
1557	Inflammation and immune system interactions in atherosclerosis. 2013 , 70, 3847-69	207
1556	Comparative phenotypic characterization of human cord blood monocytes and placental macrophages at term. 2013 , 34, 836-9	12
1555	The complexity of arterial classical monocyte recruitment. 2013 , 5, 358-66	11
1554	An unbalanced monocyte polarisation in peripheral blood and bone marrow of patients with type 2 diabetes has an impact on microangiopathy. 2013 , 56, 1856-66	93
1553	Sodium Calcium Exchange: A Growing Spectrum of Pathophysiological Implications. 2013 ,	5
1552	Tumour-associated macrophages and cancer. 2013 , 13, 595-601	125
1551	An in vitro model to study heterogeneity of human macrophage differentiation and polarization. 2013 , e50332	7
1550	The involvement of the monocytes/macrophages in chronic inflammation associated with atherosclerosis. 2013 , 218, 1376-84	93
1549	Microglial polarization and plasticity: evidence from organotypic hippocampal slice cultures. 2013 , 61, 1698-711	79
1548	Modulation of chitotriosidase during macrophage differentiation. 2013 , 66, 239-47	43
1547	Adipose tissue inflammation: feeding the development of type 2 diabetes mellitus. 2013 , 218, 1497-504	45
1546	IFN- γ -induced iNOS expression in mouse regulatory macrophages prolongs allograft survival in fully immunocompetent recipients. 2013 , 21, 409-22	100

1545	Tumor-associated macrophages: functional diversity, clinical significance, and open questions. 2013 , 35, 585-600	353
1544	Interferon regulatory factor 4 regulates obesity-induced inflammation through regulation of adipose tissue macrophage polarization. 2013 , 62, 3394-403	84
1543	Distinct roles of CSF family cytokines in macrophage infiltration and activation in glioma progression and injury response. 2013 , 230, 310-21	95
1542	Cardiac Muscle Tissue Engineering. 2013 , 1262-1276	1
1541	The role of immune-related myeloid cells in angiogenesis. 2013 , 218, 1370-5	61
1540	Differential effects of aging and sex on stroke induced inflammation across the lifespan. 2013 , 249, 120-31	116
1539	¹³ C-flux spectral analysis of host-pathogen metabolism reveals a mixed diet for intracellular Mycobacterium tuberculosis. 2013 , 20, 1012-21	106
1538	Negative regulatory receptors of the IL-1 family. 2013 , 25, 408-15	65
1537	Lack of pro-inflammatory cytokine mobilization predicts poor prognosis in patients with acute heart failure. 2013 , 61, 962-9	2
1536	The role of macrophages in obstructive airways disease: chronic obstructive pulmonary disease and asthma. 2013 , 64, 613-25	46
1535	Macrophage activation and polarization as an adaptive component of innate immunity. 2013 , 120, 163-84	259
1534	Polarization profiles of human M-CSF-generated macrophages and comparison of M1-markers in classically activated macrophages from GM-CSF and M-CSF origin. 2013 , 281, 51-61	276
1533	Polyinosinic acid blocks adeno-associated virus macrophage endocytosis in vitro and enhances adeno-associated virus liver-directed gene therapy in vivo. 2013 , 24, 807-13	21
1532	Tumor-associated Macrophages in Cancer Growth and Progression. 2013 , 451-471	1
1531	11 β -hydroxysteroid dehydrogenases: intracellular gate-keepers of tissue glucocorticoid action. 2013 , 93, 1139-206	473
1530	Mannose receptor 1 mediates cellular uptake and endosomal delivery of CpG-motif containing oligodeoxynucleotides. <i>Journal of Immunology</i> , 2013 , 191, 5615-24	53 38
1529	An mRNA atlas of G protein-coupled receptor expression during primary human monocyte/macrophage differentiation and lipopolysaccharide-mediated activation identifies targetable candidate regulators of inflammation. 2013 , 218, 1345-53	33
1528	Emerging role of tumor-associated macrophages as therapeutic targets in patients with metastatic renal cell carcinoma. 2013 , 62, 1757-68	92

1527	The role of peritoneal alternatively activated macrophages in the process of peritoneal fibrosis related to peritoneal dialysis. 2013 , 14, 10369-82	28
1526	An in vivo model system for evaluation of the host response to biomaterials. 2013 , 1037, 3-25	13
1525	Transcriptional profiling and pathway analysis of CSF-1 and IL-34 effects on human monocyte differentiation. 2013 , 63, 10-17	38
1524	Immunometabolism in obese asthmatics: are we there yet?. 2013 , 5, 3506-30	18
1523	Obesity activates a program of lysosomal-dependent lipid metabolism in adipose tissue macrophages independently of classic activation. 2013 , 18, 816-30	325
1522	The response of macrophages to titanium particles is determined by macrophage polarization. 2013 , 9, 9229-40	90
1521	Small ruminant macrophage polarization may play a pivotal role on lentiviral infection. 2013 , 44, 83	16
1520	An expression atlas of human primary cells: inference of gene function from coexpression networks. 2013 , 14, 632	171
1519	The nitric oxide-donor molsidomine modulates the innate inflammatory response in a mouse model of muscular dystrophy. 2013 , 715, 296-303	16
1518	Attenuated expression of interferon- β and interferon- γ by human alternatively activated macrophages. 2013 , 74, 1524-30	7
1517	HIV-1 Nef interacts with HCV Core, recruits TRAF2, TRAF5 and TRAF6, and stimulates HIV-1 replication in macrophages. 2013 , 5, 639-56	29
1516	Lessons from developmental biology for regenerative medicine. 2013 , 99, 149-59	6
1515	Placental macrophages are impaired in chorioamnionitis, an infectious pathology of the placenta. <i>Journal of Immunology</i> , 2013 , 191, 5501-14	5-3 41
1514	Monocyte responses in the context of Q fever: from a static polarized model to a kinetic model of activation. 2013 , 208, 942-51	23
1513	IL-4 directly signals tissue-resident macrophages to proliferate beyond homeostatic levels controlled by CSF-1. 2013 , 210, 2477-91	269
1512	Role of macrophage polarization in tumor angiogenesis and vessel normalization: implications for new anticancer therapies. 2013 , 301, 1-35	70
1511	Macrophage heterogeneity and cholesterol homeostasis: classically-activated macrophages are associated with reduced cholesterol accumulation following treatment with oxidized LDL. 2013 , 1831, 378-86	10
1510	Activation of an immune-regulatory macrophage response and inhibition of lung inflammation in a mouse model of COPD using heat-shock protein alpha B-crystallin-loaded PLGA microparticles. 2013 , 34, 831-40	39

1509	Special issue commentary: the changing face of inflammation in the brain. 2013 , 53, 1-5	9
1508	Human macrophages and monocytes express functional Na(+)/Ca (2+) exchangers 1 and 3. 2013 , 961, 317-26	6
1507	Genetic programs expressed in resting and IL-4 alternatively activated mouse and human macrophages: similarities and differences. 2013 , 121, e57-69	340
1506	Interleukin-4- and interleukin-13-mediated alternatively activated macrophages: roles in homeostasis and disease. 2013 , 31, 317-43	422
1505	Circulating Cell-derived Vesicles Mediate Tumor Progression. 2013 , 131-148	
1504	Zip14 expression induced by lipopolysaccharides in macrophages attenuates inflammatory response. 2013 , 62, 133-43	26
1503	Macrophage plasticity and polarization in tissue repair and remodelling. 2013 , 229, 176-85	1392
1502	Equine cellular therapy--from stall to bench to bedside?. 2013 , 83, 103-13	29
1501	Macrophages modulate the viability and growth of human mesenchymal stem cells. 2013 , 114, 220-9	168
1500	MSCs and Innate Immune Responses: A Balancing Act. 2013 , 135-143	
1499	Macrophage scavenger receptor a promotes tumor progression in murine models of ovarian and pancreatic cancer. <i>Journal of Immunology</i> , 2013 , 190, 3798-805	5:3 83
1498	Interferon alpha treatment of patients with impaired interferon gamma signaling. 2013 , 33, 991-1001	34
1497	Tumor associated macrophages and neutrophils in tumor progression. 2013 , 228, 1404-12	280
1496	The importance of the macrophage within the human endometrium. 2013 , 93, 217-25	70
1495	Inflammation and neurovascular changes in amyotrophic lateral sclerosis. 2013 , 53, 34-41	135
1494	1,25(OH) ₂ vitamin D suppresses macrophage migration and reverses atherogenic cholesterol metabolism in type 2 diabetic patients. 2013 , 136, 309-12	49
1493	Changing glucocorticoid action: 11 β -hydroxysteroid dehydrogenase type 1 in acute and chronic inflammation. 2013 , 137, 82-92	71
1492	Reciprocal modulation between microglia and astrocyte in reactive gliosis following the CNS injury. 2013 , 48, 690-701	72

1491	Cell plasticity in wound healing: paracrine factors of M1/ M2 polarized macrophages influence the phenotypical state of dermal fibroblasts. 2013 , 11, 29	145
1490	Acute exercise induces a phenotypic switch in adipose tissue macrophage polarization in diet-induced obese rats. 2013 , 21, 2545-56	68
1489	Resolution of inflammation: an integrated view. 2013 , 5, 661-74	455
1488	Aspirin-triggered lipoxin A4 stimulates alternative activation of microglia and reduces Alzheimer disease-like pathology in mice. 2013 , 182, 1780-9	115
1487	Distinct bone marrow-derived and tissue-resident macrophage lineages proliferate at key stages during inflammation. 2013 , 4, 1886	216
1486	Effect of culture conditions on the phenotype of THP-1 monocyte cell line. 2013 , 70, 80-6	76
1485	Epigenetic control of cytokine gene expression: regulation of the TNF/LT locus and T helper cell differentiation. 2013 , 118, 37-128	51
1484	Characterization of polarized THP-1 macrophages and polarizing ability of LPS and food compounds. 2013 , 4, 266-76	84
1483	Rapamycin unbalances the polarization of human macrophages to M1. 2013 , 140, 179-90	116
1482	Tumor associated macrophage expressing CD204 is associated with tumor aggressiveness of esophageal squamous cell carcinoma. 2013 , 104, 1112-9	124
1481	Study of macrophages in BCG granulomas in different compartments of the mononuclear phagocyte system. 2013 , 154, 467-70	4
1480	Inflammation and Wound Healing. 2013 , 39-56	1
1479	RNA sequencing and transcriptomal analysis of human monocyte to macrophage differentiation. 2013 , 519, 279-87	27
1478	Treatment of the Obese Patient with Asthma. 2013 , 139-152	
1477	Tumor associated macrophages and neutrophils in cancer. 2013 , 218, 1402-10	414
1476	Molecular definition of the pro-tumorigenic phenotype of glioma-activated microglia. 2013 , 61, 1178-90	75
1475	A culture model to analyze the acute biomaterial-dependent reaction of human primary macrophages. 2013 , 433, 115-20	52
1474	HSP70 in the Immune Responses. 2013 , 63-82	1

1473	Multipotent stromal cells induce human regulatory T cells through a novel pathway involving skewing of monocytes toward anti-inflammatory macrophages. 2013 , 31, 1980-91	275
1472	Adipose Tissue Macrophages in Obesity, Inflammation, and Cancer. 2013 , 83-98	1
1471	Anti-inflammatory properties of prostaglandin E2: deletion of microsomal prostaglandin E synthase-1 exacerbates non-immune inflammatory arthritis in mice. 2013 , 89, 351-8	38
1470	Orientia tsutsugamushi, the causative agent of scrub typhus, induces an inflammatory program in human macrophages. 2013 , 55, 55-63	27
1469	Subsets of human type 2 macrophages show differential capacity to produce reactive oxygen species. 2013 , 284, 1-8	13
1468	Macrophage subsets and osteoimmunology: tuning of the immunological recognition and effector systems that maintain alveolar bone. 2013 , 63, 80-101	68
1467	miR-125a-5p regulates differential activation of macrophages and inflammation. 2013 , 288, 35428-36	155
1466	Adipokines from local fat cells shape the macrophage compartment of the creeping fat in Crohn's disease. 2013 , 62, 852-62	69
1465	Negative regulation of human mononuclear phagocyte function. 2013 , 6, 205-23	11
1464	The interaction between filarial parasites and human monocyte/macrophage populations. 2013 , 785, 49-56	6
1463	Role of macrophages in the pathogenesis of atopic dermatitis. 2013 , 2013, 942375	57
1462	Interferon-regulatory factors determine macrophage phenotype polarization. 2013 , 2013, 731023	87
1461	A short hairpin RNA screen of interferon-stimulated genes identifies a novel negative regulator of the cellular antiviral response. 2013 , 4, e00385-13	72
1460	Myeloid cells in atherosclerosis: a delicate balance of anti-inflammatory and proinflammatory mechanisms. 2013 , 24, 371-80	45
1459	A unique anti-CD115 monoclonal antibody which inhibits osteolysis and skews human monocyte differentiation from M2-polarized macrophages toward dendritic cells. 2013 , 5, 736-47	27
1458	Functional diversity of microglia - how heterogeneous are they to begin with?. 2013 , 7, 65	137
1457	Systemic administration of TLR3 agonist induces IL-7 expression and IL-7-dependent CXCR3 ligand production in the lung. 2013 , 93, 413-25	15
1456	MicroRNAs in immune response and macrophage polarization. 2013 , 33, 170-7	179

1455	MicroRNA let-7c regulates macrophage polarization. <i>Journal of Immunology</i> , 2013 , 190, 6542-9	5-3	198
1454	Emerging Concepts of Tumor Exosome-Mediated Cell-Cell Communication. 2013 ,		5
1453	Obesity and Lung Disease. 2013 ,		4
1452	Inflammation and skin cancer: old pals telling new stories. 2013 , 19, 517-24		25
1451	PPAR activation induces M1 macrophage polarization via cPLA2/COX-2 inhibition, activating ROS production against <i>Leishmania mexicana</i> . 2013 , 2013, 215283		25
1450	Decoys and Regulatory "Receptors" of the IL-1/Toll-Like Receptor Superfamily. 2013 , 4, 180		49
1449	The role of type 1 interferon in systemic sclerosis. 2013 , 4, 266		67
1448	The divergence, actions, roles, and relatives of sodium-coupled bicarbonate transporters. 2013 , 93, 803-959		188
1447	Group V secretory phospholipase A2 is involved in macrophage activation and is sufficient for macrophage effector functions in allergic pulmonary inflammation. <i>Journal of Immunology</i> , 2013 , 190, 5927-38	5-3	28
1446	Novel pathways in the pathobiology of human abdominal aortic aneurysms. 2013 , 80, 1-10		40
1445	Macrophage polarization in response to wear particles in vitro. 2013 , 10, 471-82		60
1444	Biomimetic Platforms for Tissue Engineering. 2013 , 53, n/a-n/a		
1443	Maresin 1, a proresolving lipid mediator derived from omega-3 polyunsaturated fatty acids, exerts protective actions in murine models of colitis. <i>Journal of Immunology</i> , 2013 , 191, 4288-98	5-3	134
1442	Cyclooxygenase-1-dependent prostaglandins mediate susceptibility to systemic inflammation-induced acute cognitive dysfunction. 2013 , 33, 15248-58		75
1441	RON receptor tyrosine kinase, a negative regulator of inflammation, is decreased during simian immunodeficiency virus-associated central nervous system disease. <i>Journal of Immunology</i> , 2013 , 191, 4280-7	5-3	6
1440	The regulation of inflammation by interferons and their STATs. 2013 , 2, e23820		144
1439	Tumor-associated macrophages subvert T-cell function and correlate with reduced survival in clear cell renal cell carcinoma. 2013 , 2, e23562		110
1438	Human cytomegalovirus interleukin-10 polarizes monocytes toward a deactivated M2c phenotype to repress host immune responses. 2013 , 87, 10273-82		58

1437	Human cytomegalovirus infection of M1 and M2 macrophages triggers inflammation and autologous T-cell proliferation. 2013 , 87, 67-79	61
1436	Ixmyelocel-T, an expanded multicellular therapy, contains a unique population of M2-like macrophages. 2013 , 4, 134	18
1435	Expression of the atypical chemokine receptor D6 in human alveolar macrophages in COPD. 2013 , 143, 98-106	32
1434	M1 polarization of human monocyte-derived macrophages restricts pre and postintegration steps of HIV-1 replication. 2013 , 27, 1847-56	48
1433	microRNA Expression in Rat Apical Periodontitis Bone Lesion. 2013 , 1, 170-85	14
1432	Extremely low frequency electromagnetic field and wound healing: implication of cytokines as biological mediators. 2013 , 24, 1-10	63
1431	Rho kinase inhibitor fasudil regulates microglia polarization and function. 2013 , 20, 313-22	45
1430	Biomarkers of diffuse large B-cell lymphoma: impact on diagnosis, treatment, and prognosis. 2013 , 17	1
1429	Synthetic cationic peptide IDR-1018 modulates human macrophage differentiation. 2013 , 8, e52449	53
1428	IGFBP-3 inhibits cytokine-induced insulin resistance and early manifestations of atherosclerosis. 2013 , 8, e55084	28
1427	IL-34 induces the differentiation of human monocytes into immunosuppressive macrophages. antagonistic effects of GM-CSF and IFN- γ 2013 , 8, e56045	114
1426	Interferon-beta induces distinct gene expression response patterns in human monocytes versus T cells. 2013 , 8, e62366	28
1425	CD14-dependent monocyte isolation enhances phagocytosis of listeria monocytogenes by proinflammatory, GM-CSF-derived macrophages. 2013 , 8, e66898	32
1424	Transcriptional profiling of human monocytes identifies the inhibitory receptor CD300a as regulator of transendothelial migration. 2013 , 8, e73981	6
1423	Identification of miR-30e* regulation of Bmi1 expression mediated by tumor-associated macrophages in gastrointestinal cancer. 2013 , 8, e81839	46
1422	Integrated expression profiles of mRNA and miRNA in polarized primary murine microglia. 2013 , 8, e79416	111
1421	Managing inflammation after spinal cord injury through manipulation of macrophage function. 2013 , 2013, 945034	76
1420	Tie2 signaling cooperates with TNF to promote the pro-inflammatory activation of human macrophages independently of macrophage functional phenotype. 2014 , 9, e82088	35

1419	Transcriptomic profiling of the development of the inflammatory response in human monocytes in vitro. 2014 , 9, e87680	56
1418	Macrophage/epithelium cross-talk regulates cell cycle progression and migration in pancreatic progenitors. 2014 , 9, e89492	8
1417	Rac2 controls tumor growth, metastasis and M1-M2 macrophage differentiation in vivo. 2014 , 9, e95893	73
1416	Fluorescently activated cell sorting followed by microarray profiling of helper T cell subtypes from human peripheral blood. 2014 , 9, e111405	10
1415	Macrophages, Neutrophils, and Cancer: A Double Edged Sword. 2014 , 2014, 1-14	28
1414	Granulomatous response to <i>Coxiella burnetii</i> , the agent of Q fever: the lessons from gene expression analysis. 2014 , 4, 172	9
1413	The Probiotic Mixture VSL#3 Alters the Morphology and Secretion Profile of Both Polarized and Unpolarized Human Macrophages in a Polarization-Dependent Manner. 2014 , 5, 1000227	15
1412	Cellular and pharmacological targets to induce coronary arteriogenesis. 2014 , 10, 29-37	9
1411	Macrophage Polarization in Lung Biology and Diseases. 2014 ,	4
1410	Molecular and functional interactions among monocytes/macrophages and smooth muscle cells and their relevance for atherosclerosis. 2014 , 24, 341-55	5
1409	M1 and M2 macrophages: the chicken and the egg of immunity. 2014 , 6, 716-26	242
1408	TRIM13 is a negative regulator of MDA5-mediated type I interferon production. 2014 , 88, 10748-57	60
1407	Large-scale chondroitin sulfate proteoglycan digestion with chondroitinase gene therapy leads to reduced pathology and modulates macrophage phenotype following spinal cord contusion injury. 2014 , 34, 4822-36	149
1406	Identification of a unique hybrid macrophage-polarization state following recovery from lipopolysaccharide tolerance. <i>Journal of Immunology</i> , 2014 , 192, 427-36	53 34
1405	Immune mediators as potential diagnostic tools for colorectal cancer: from experimental rationale to early clinical evidence. 2014 , 14, 387-99	6
1404	Macropinocytosis and TAK1 mediate anti-inflammatory to pro-inflammatory macrophage differentiation by HIV-1 Nef. 2014 , 5, e1267	9
1403	Transcriptomic network support distinct roles of classical and non-classical monocytes in human. 2014 , 33, 470-89	30
1402	Macrophages commit postnatal endothelium-derived progenitors to angiogenesis and restrict endothelial to mesenchymal transition during muscle regeneration. 2014 , 5, e1031	51

1401	Classical and Alternative Activation and Metalloproteinase Expression Occurs in Foam Cell Macrophages in Male and Female ApoE Null Mice in the Absence of T and B Lymphocytes. 2014 , 5, 537	24
1400	From Monocytes to M1/M2 Macrophages: Phenotypical vs. Functional Differentiation. 2014 , 5, 514	972
1399	Atherogenesis and iron: from epidemiology to cellular level. 2014 , 5, 94	101
1398	Phenotypic diversity and emerging new tools to study macrophage activation in bacterial infectious diseases. 2014 , 5, 500	43
1397	Depletion of tumor-associated macrophages slows the growth of chemically induced mouse lung adenocarcinomas. 2014 , 5, 587	97
1396	Chitinase 3-like 1 suppresses injury and promotes fibroproliferative responses in Mammalian lung fibrosis. 2014 , 6, 240ra76	112
1395	Effects of low-level laser therapy on M1-related cytokine expression in monocytes via histone modification. 2014 , 2014, 625048	29
1394	SAA drives proinflammatory heterotypic macrophage differentiation in the lung via CSF-1R-dependent signaling. 2014 , 28, 3867-77	35
1393	Relationship of MMP-14 and TIMP-3 expression with macrophage activation and human atherosclerotic plaque vulnerability. 2014 , 2014, 276457	47
1392	M1/M2 macrophages and associated mechanisms in congenital bicuspid aortic valve stenosis. 2014 , 7, 935-940	19
1391	IL-17A influences essential functions of the monocyte/macrophage lineage and is involved in advanced murine and human atherosclerosis. <i>Journal of Immunology</i> , 2014 , 193, 4344-55	5-3 94
1390	Functional Relationship between Tumor-Associated Macrophages and Macrophage Colony-Stimulating Factor as Contributors to Cancer Progression. 2014 , 5, 489	121
1389	Macrophage: SHIP of Immunity. 2014 , 5, 620	50
1388	Immune control in hepatocellular carcinoma development and progression: role of stromal cells. 2014 , 34, 376-88	26
1387	A novel strategy for inducing the antitumor effects of triterpenoid compounds: blocking the protumoral functions of tumor-associated macrophages via STAT3 inhibition. 2014 , 2014, 348539	39
1386	Epigenome-guided analysis of the transcriptome of plaque macrophages during atherosclerosis regression reveals activation of the Wnt signaling pathway. 2014 , 10, e1004828	26
1385	Renal vein cytokine release as an index of renal parenchymal inflammation in chronic experimental renal artery stenosis. 2014 , 29, 274-82	39
1384	Linking obesity and asthma. 2014 , 1311, 31-41	66

1383	Early molecular assessment of osseointegration in humans. 2014 , 25, 1273-1285	27
1382	Trophoblast induces monocyte differentiation into CD14+/CD16+ macrophages. 2014 , 72, 270-84	50
1381	Inflammation revisited: inflammation versus resolution of inflammation following myocardial infarction. 2014 , 109, 444	120
1380	Transcriptional profiling predicts overwhelming homology of Schwann cells, olfactory ensheathing cells, and Schwann cell-like glia. 2014 , 62, 1559-81	27
1379	CSF1 overexpression has pleiotropic effects on microglia in vivo. 2014 , 62, 1955-67	41
1378	Tumor-associated vacuolar ATPase subunit promotes tumorigenic characteristics in macrophages. 2014 , 33, 5649-54	38
1377	SYNCRIP-dependent Nox2 mRNA destabilization impairs ROS formation in M2-polarized macrophages. 2014 , 21, 2483-97	24
1376	Human monocyte subsets at homeostasis and their perturbation in numbers and function in filarial infection. 2014 , 82, 4438-46	19
1375	Clinical significance of macrophage phenotypes in cardiovascular disease. 2014 , 3, 63	27
1374	Reciprocal effects of systemic inflammation and brain natriuretic peptide on adiponectin biosynthesis in adipose tissue of patients with ischemic heart disease. 2014 , 34, 2151-9	69
1373	Activation and propagation of tumor-infiltrating lymphocytes on clinical-grade designer artificial antigen-presenting cells for adoptive immunotherapy of melanoma. 2014 , 37, 448-60	36
1372	Isolation of human monocytes by double gradient centrifugation and their differentiation to macrophages in teflon-coated cell culture bags. 2014 , e51554	46
1371	The Macrophage Transcriptome. 2014 , 559-585	1
1370	The challenges of respiratory motor system recovery following cervical spinal cord injury. 2014 , 212, 173-220	16
1369	"Of mice and men": arginine metabolism in macrophages. 2014 , 5, 479	107
1368	Fibrotic Modifications of the Lens Epithelium. 2014 , 143-158	
1367	The role of monocytes and macrophages in age-related macular degeneration. 2014 , 801, 199-205	16
1366	Mechanisms driving macrophage diversity and specialization in distinct tumor microenvironments and parallelisms with other tissues. 2014 , 5, 127	113

1365	Inflammatory monocytes determine endothelial nitric-oxide synthase uncoupling and nitro-oxidative stress induced by angiotensin II. 2014 , 289, 27540-50	81
1364	HDL does not influence the polarization of human monocytes toward an alternative phenotype. 2014 , 172, 179-84	18
1363	Identification of a distinct glucocorticosteroid-insensitive pulmonary macrophage phenotype in patients with chronic obstructive pulmonary disease. 2014 , 133, 207-16.e1-11	40
1362	Versican and the regulation of cell phenotype in disease. 2014 , 1840, 2441-51	92
1361	A rapid increase in macrophage-derived versican and hyaluronan in infectious lung disease. 2014 , 34, 1-12	54
1360	From proliferation to proliferation: monocyte lineage comes full circle. 2014 , 36, 137-48	34
1359	Porous implants modulate healing and induce shifts in local macrophage polarization in the foreign body reaction. 2014 , 42, 1508-16	253
1358	Primary human macrophages serve as vehicles for vaccinia virus replication and dissemination. 2014 , 88, 6819-31	13
1357	Modular analysis of bioinformatics demonstrates a critical role for NF- κ B in macrophage activation. 2014 , 37, 1240-53	8
1356	Histamine induces chemotaxis and phagocytosis in murine bone marrow-derived macrophages and RAW 264.7 macrophage-like cells via histamine H4-receptor. 2014 , 63, 239-47	25
1355	T helper subsets in Sjögren's syndrome and IgG4-related dacryoadenitis and sialoadenitis: a critical review. 2014 , 51, 81-8	51
1354	The role of macrophage phenotype in vascularization of tissue engineering scaffolds. 2014 , 35, 4477-88	532
1353	Proteomic characterization of human proinflammatory M1 and anti-inflammatory M2 macrophages and their response to <i>Candida albicans</i> . 2014 , 14, 1503-18	55
1352	The dynamic lives of macrophage and dendritic cell subsets in atherosclerosis. 2014 , 1319, 19-37	15
1351	Signaling pathways involved in MDSC regulation. 2014 , 1846, 55-65	112
1350	TLR activation of tumor-associated macrophages from ovarian cancer patients triggers cytolytic activity of NK cells. 2014 , 44, 1814-22	60
1349	Impact of azithromycin treatment on macrophage gene expression in subjects with cystic fibrosis. 2014 , 13, 164-71	26
1348	Macrophage-derived reactive oxygen species suppress miR-328 targeting CD44 in cancer cells and promote redox adaptation. 2014 , 35, 1003-11	63

1347	M-CSF inhibits anti-HIV-1 activity of IL-32, but they enhance M2-like phenotypes of macrophages. <i>Journal of Immunology</i> , 2014 , 192, 5083-9	53	15
1346	Myocardial extracellular matrix: an ever-changing and diverse entity. 2014 , 114, 872-88		217
1345	Interleukin-10 receptor signaling in innate immune cells regulates mucosal immune tolerance and anti-inflammatory macrophage function. 2014 , 40, 706-19		337
1344	Efficacy of anti-CD47 antibody-mediated phagocytosis with macrophages against primary effusion lymphoma. 2014 , 50, 1836-1846		27
1343	The innate immune factor apolipoprotein L1 restricts HIV-1 infection. 2014 , 88, 592-603		74
1342	Mesenchymal stem cells secrete immunologically active exosomes. 2014 , 23, 1233-44		426
1341	Molecular profiling reveals a tumor-promoting phenotype of monocytes and macrophages in human cancer progression. 2014 , 41, 815-29		166
1340	Design and utilization of macrophage and vascular smooth muscle cell co-culture systems in atherosclerotic cardiovascular disease investigation. 2014 , 19, 394-406		15
1339	The human tissue-biomaterial interface: a role for PPAR α -dependent glucocorticoid receptor activation in regulating the CD163+ M2 macrophage phenotype. 2014 , 20, 2390-401		23
1338	Macrophage phenotypes in atherosclerosis. 2014 , 262, 153-66		303
1337	Macrophages: Biology and Role in the Pathology of Diseases. 2014 ,		8
1336	Macrophage colony-stimulating factor plays a pivotal role in chemically induced hepatocellular carcinoma in mice. 2014 , 44, 798-811		8
1335	Role of cathepsin E in decidual macrophage of patients with recurrent miscarriage. 2014 , 20, 454-62		11
1334	Monocyte homeostasis and the plasticity of inflammatory monocytes. 2014 , 291, 22-31		75
1333	Mitochondrial metabolism, reactive oxygen species, and macrophage function-fishing for insights. 2014 , 92, 1119-28		20
1332	Wnt5a: a player in the pathogenesis of atherosclerosis and other inflammatory disorders. 2014 , 237, 155-62		60
1331	Lens Epithelium and Posterior Capsular Opacification. 2014 ,		2
1330	Epigenetic programming of monocyte-to-macrophage differentiation and trained innate immunity. 2014 , 345, 1251086		870

1329	Functional significance of mononuclear phagocyte populations generated through adult hematopoiesis. 2014 , 96, 969-80	16
1328	TNF and increased intracellular iron alter macrophage polarization to a detrimental M1 phenotype in the injured spinal cord. 2014 , 83, 1098-116	373
1327	Metabolic dysfunction drives a mechanistically distinct proinflammatory phenotype in adipose tissue macrophages. 2014 , 20, 614-25	443
1326	Modulation of TNF-induced macrophage polarization by synovial fibroblasts. <i>Journal of Immunology</i> , 2014 , 193, 2373-83	5-3 68
1325	Fatty acid oxidation is dispensable for human macrophage IL-4-induced polarization. 2014 , 1841, 1329-35	72
1324	Cytokine pathways regulating glial and leukocyte function after spinal cord and peripheral nerve injury. 2014 , 258, 62-77	71
1323	Oxidative Stress and Inflammation in Non-communicable Diseases - Molecular Mechanisms and Perspectives in Therapeutics. 2014 ,	7
1322	Evolutionary Biology: Genome Evolution, Speciation, Coevolution and Origin of Life. 2014 ,	4
1321	Regulation of activation-associated microRNA accumulation rates during monocyte-to-macrophage differentiation. 2014 , 289, 28433-47	32
1320	TGFβ in T cell biology and tumor immunity: Angel or devil?. 2014 , 25, 423-35	50
1319	The omega-3 fatty acid docosahexaenoic acid favorably modulates the inflammatory pathways and macrophage polarization within aorta of LDLR(-/-) mice. 2014 , 9, 424	9
1318	Cell-intrinsic lysosomal lipolysis is essential for alternative activation of macrophages. 2014 , 15, 846-55	624
1317	CSF-1R signaling in health and disease: a focus on the mammary gland. 2014 , 19, 149-59	25
1316	Biologic scaffold for CNS repair. 2014 , 9, 367-83	34
1315	Next-generation sequencing of microRNAs uncovers expression signatures in polarized macrophages. 2014 , 46, 91-103	71
1314	Innate immune pathways in afferent lymph following vaccination with poly(I:C)-containing liposomes. 2014 , 20, 501-10	11
1313	Bioinformatics approach to evaluate differential gene expression of M1/M2 macrophage phenotypes and antioxidant genes in atherosclerosis. 2014 , 70, 831-9	14
1312	Interferon-induced HERC5 is evolving under positive selection and inhibits HIV-1 particle production by a novel mechanism targeting Rev/RRE-dependent RNA nuclear export. 2014 , 11, 27	15

1311	Nanoparticles in Medicine: Nanoparticle Engineering for Macrophage Targeting and Nanoparticles that Avoid Macrophage Recognition. 2014 , 77-89		3
1310	IB kinase activity drives fetal lung macrophage maturation along a non-M1/M2 paradigm. <i>Journal of Immunology</i> , 2014 , 193, 1184-93	53	14
1309	Versican and the control of inflammation. 2014 , 35, 152-61		143
1308	Phagosome maturation in polarized macrophages. 2014 , 96, 729-38		51
1307	Identification of distinct monocyte phenotypes and correlation with circulating cytokine profiles in acute response to spinal cord injury: a pilot study. 2014 , 6, 332-41		15
1306	In vitro response of macrophage polarization to a keratin biomaterial. 2014 , 10, 3136-44		65
1305	Transcriptome-based network analysis reveals a spectrum model of human macrophage activation. 2014 , 40, 274-88		1212
1304	Reprint of: A rapid increase in macrophage-derived versican and hyaluronan in infectious lung disease. 2014 , 35, 162-73		23
1303	Alzheimer's disease susceptibility variants in the MS4A6A gene are associated with altered levels of MS4A6A expression in blood. 2014 , 35, 279-90		38
1302	Triggering TLR2, -3, -4, -5, and -8 reinforces the restrictive nature of M1- and M2-polarized macrophages to HIV. 2014 , 88, 9769-81		31
1301	In vitro model to study the biomaterial-dependent reaction of macrophages in an inflammatory environment. 2014 , 101, 983-92		30
1300	Glial scar and immune cell involvement in tissue remodeling and repair following acute CNS injuries. 2014 , 62, 1895-904		66
1299	Differentiation of human mononuclear phagocytes increases their innate response to Mycobacterium tuberculosis infection. 2014 , 94, 207-18		4
1298	Human osteoarthritic synovium impacts chondrogenic differentiation of mesenchymal stem cells via macrophage polarisation state. 2014 , 22, 1167-75		133
1297	Low molecular weight hyaluronan activates cytosolic phospholipase A2 and eicosanoid production in monocytes and macrophages. 2014 , 289, 4470-88		62
1296	Human macrophage polarization in vitro: maturation and activation methods compared. 2014 , 219, 695-703		212
1295	Lysophosphatidylcholine perpetuates macrophage polarization toward classically activated phenotype in inflammation. 2014 , 289, 185-90		38
1294	Effector molecules released by Th1 but not Th17 cells drive an M1 response in microglia. 2014 , 37, 248-59		42

1293	Inflammatory expression profiles in monocyte-to-macrophage differentiation in patients with systemic lupus erythematosus and relationship with atherosclerosis. 2014 , 16, R147	23
1292	The M1 and M2 paradigm of macrophage activation: time for reassessment. 2014 , 6, 13	2632
1291	Role of tumor-associated macrophages in the angiogenesis of well-differentiated hepatocellular carcinoma: pathological-radiological correlation. 2014 , 31, 2499-505	9
1290	Conditioned media from macrophages of M1, but not M2 phenotype, inhibit the proliferation of the colon cancer cell lines HT-29 and CACO-2. 2014 , 44, 385-92	51
1289	Macrophage phenotypes and their modulation in atherosclerosis. 2014 , 78, 1775-81	127
1288	Innate Immunity in the CNS [A Focus on the Myeloid Cell. 2014 , 9-35	
1287	Peroxisome proliferator-activated receptor α and β agonists differently regulate classical and alternative macrophage activation. 2015 , 2,	
1286	Pharmacologic immunosuppression of mononuclear phagocyte phagocytosis by caffeine. 2015 , 3, e00180	11
1285	Integrated Transcriptomics Establish Macrophage Polarization Signatures and have Potential Applications for Clinical Health and Disease. 2015 , 5, 13351	28
1284	Metabolic signatures linked to macrophage polarization: from glucose metabolism to oxidative phosphorylation. 2015 , 43, 740-4	36
1283	Extracellular nicotinamide phosphoribosyltransferase (NAMPT) promotes M2 macrophage polarization in chronic lymphocytic leukemia. 2015 , 125, 111-23	117
1282	Colony stimulating factor-1 receptor signaling networks inhibit mouse macrophage inflammatory responses by induction of microRNA-21. 2015 , 125, e1-13	85
1281	Monocytes and Macrophages in Atherosclerosis. 2015 , 141-153	
1280	The Interplay between the Peripheral and Local Immune Response in Recovery from Acute Central Nervous System Injuries. 2015 , 173-187	
1279	Transcriptional profiling of macrophages derived from monocytes and iPS cells identifies a conserved response to LPS and novel alternative transcription. 2015 , 5, 12524	61
1278	Selective phosphorylation during early macrophage differentiation. 2015 , 15, 3731-43	4
1277	Ovarian cancer stem-like cells elicit the polarization of M2 macrophages. 2015 , 11, 4685-93	21
1276	15-Lipoxygenases regulate the production of chemokines in human lung macrophages. 2015 , 172, 4319-30	33

1275	Human Amniotic Membrane-Derived Mesenchymal and Epithelial Cells Exert Different Effects on Monocyte-Derived Dendritic Cell Differentiation and Function. 2015 , 24, 1733-52	80
1274	Monocyte and M1 Macrophage-induced Barrier Defect Contributes to Chronic Intestinal Inflammation in IBD. 2015 , 21, 1297-305	129
1273	Essential Role of Lysophosphatidylcholine Acyltransferase 3 in the Induction of Macrophage Polarization in PMA-Treated U937 Cells. 2015 , 116, 2840-8	30
1272	Bisphosphonate Induces Osteonecrosis of the Jaw in Diabetic Mice via NLRP3/Caspase-1-Dependent IL-1 β Mechanism. 2015 , 30, 2300-12	40
1271	Endogenous prostaglandin E2 potentiates anti-inflammatory phenotype of macrophage through the CREB-C/EBP β cascade. 2015 , 45, 2661-71	33
1270	From demyelination to remyelination: the road toward therapies for spinal cord injury. 2015 , 63, 1101-25	59
1269	The foreign body response: at the interface of surgery and bioengineering. 2015 , 135, 1489-1498	86
1268	. 2015 ,	1
1267	Polarization and Repolarization of Macrophages. 2015 , 06,	14
1266	Characterization of In vitro Generated Human Polarized Macrophages. 2015 , 06,	19
1265	Polarization of Macrophages in Metabolic Diseases. 2015 , 06,	1
1264	Macrophages During the Fibrotic Process: M2 as Friend and Foe. 2015 , 6, 602	197
1263	Modulators of Macrophage Polarization Influence Healing of the Infarcted Myocardium. 2015 , 16, 29583-91	36
1262	Time and Demand are Two Critical Dimensions of Immunometabolism: The Process of Macrophage Activation and the Pentose Phosphate Pathway. 2015 , 6, 164	81
1261	Anatomy of a discovery: m1 and m2 macrophages. 2015 , 6, 212	231
1260	A Systematic Approach to Identify Markers of Distinctly Activated Human Macrophages. 2015 , 6, 253	26
1259	The ischemic environment drives microglia and macrophage function. 2015 , 6, 81	154
1258	Transcriptomic analysis of human polarized macrophages: more than one role of alternative activation?. 2015 , 10, e0119751	46

1257	Novel Markers to Delineate Murine M1 and M2 Macrophages. 2015 , 10, e0145342	487
1256	Genetic and Informatic Analyses Implicate Kif12 as a Candidate Gene within the Mpkd2 Locus That Modulates Renal Cystic Disease Severity in the Cys1cpk Mouse. 2015 , 10, e0135678	10
1255	The Macrophage Inhibitor CNI-1493 Blocks Metastasis in a Mouse Model of Ewing Sarcoma through Inhibition of Extravasation. 2015 , 10, e0145197	10
1254	Rapid Alterations in Perirenal Adipose Tissue Transcriptomic Networks with Cessation of Voluntary Running. 2015 , 10, e0145229	9
1253	Site-Specific Immunomodulator: A Novel Treatment for Crohn's Disease. 2015 , 2015, 231243	7
1252	The Effects of Macrophage Polarity on Influenza Virus Replication and Innate Immune Responses. 2015 , 06,	1
1251	Eosinophil-associated ribonuclease 11 is a macrophage chemoattractant. 2015 , 290, 8863-75	12
1250	DC-SIGN(+) Macrophages Control the Induction of Transplantation Tolerance. 2015 , 42, 1143-58	105
1249	Molecular profiling of long-term survivors identifies a subgroup of glioblastoma characterized by chromosome 19/20 co-gain. 2015 , 130, 419-34	41
1248	In vivo depletion of CD206+ M2 macrophages exaggerates lung injury in endotoxemic mice. 2015 , 185, 162-71	58
1247	Low shear stress induces M1 macrophage polarization in murine thin-cap atherosclerotic plaques. 2015 , 89, 168-72	26
1246	Concise Review: Macrophages: Versatile Gatekeepers During Pancreatic β Cell Development, Injury, and Regeneration. 2015 , 4, 555-63	26
1245	Proteomic Analysis Reveals Distinct Metabolic Differences Between Granulocyte-Macrophage Colony Stimulating Factor (GM-CSF) and Macrophage Colony Stimulating Factor (M-CSF) Grown Macrophages Derived from Murine Bone Marrow Cells. 2015 , 14, 2722-32	16
1244	Lenalidomide interferes with tumor-promoting properties of nurse-like cells in chronic lymphocytic leukemia. 2015 , 100, 253-62	34
1243	M1 and M2 immune activation in Parkinson's Disease: Foe and ally?. 2015 , 302, 59-73	121
1242	Reprogramming of monocytes by GM-CSF contributes to regulatory immune functions during intestinal inflammation. <i>Journal of Immunology</i> , 2015 , 194, 2424-38	53 54
1241	CD68 expression is a discriminative feature of indolent cutaneous CD8-positive lymphoid proliferation and distinguishes this lymphoma subtype from other CD8-positive cutaneous lymphomas. 2015 , 172, 1573-1580	36
1240	Cyr61 promotes CD204 expression and the migration of macrophages via MEK/ERK pathway in esophageal squamous cell carcinoma. 2015 , 4, 437-46	26

1239	Real-time imaging of interaction between macrophages and lymphatic vessels in an in vitro model to study inflammatory resolution. 2015 , 77, 76-9	5
1238	Alternative activation of human macrophages is rescued by estrogen treatment in vitro and impaired by menopausal status. 2015 , 100, E50-8	62
1237	Chemokine receptor Cxcr4 contributes to kidney fibrosis via multiple effectors. 2015 , 308, F459-72	34
1236	Hematopoietic Akt2 deficiency attenuates the progression of atherosclerosis. 2015 , 29, 597-610	27
1235	Dynamic Changes of Microglia/Macrophage M1 and M2 Polarization in Theiler's Murine Encephalomyelitis. 2015 , 25, 712-23	35
1234	Phenotypic activation and pharmacological outcomes of spontaneously differentiated human monocyte-derived macrophages. 2015 , 220, 545-54	54
1233	Monocyte fate in atherosclerosis. 2015 , 35, 272-9	123
1232	Macrophages modulate engineered human tissues for enhanced vascularization and healing. 2015 , 43, 616-27	49
1231	The mRNA expression of immune-related genes in crossbred and Tharparkar cattle in response to in vitro infection with Theileria annulata. 2015 , 42, 1247-55	11
1230	IL-10 cytokine released from M2 macrophages is crucial for analgesic and anti-inflammatory effects of acupuncture in a model of inflammatory muscle pain. 2015 , 51, 19-31	86
1229	Immunopathology of chronic rhinosinusitis. 2015 , 64, 121-30	143
1228	The secretome of mesenchymal stromal cells: Role of extracellular vesicles in immunomodulation. 2015 , 168, 154-8	95
1227	M2 polarization enhances silica nanoparticle uptake by macrophages. 2015 , 6, 55	80
1226	Macrophage Polarization and the Effect of MicroRNA-155 Administered in Water-in-Oil-in-Water Multiple Emulsion Formulations. 2015 , 06,	1
1225	Beyond vascular inflammation--recent advances in understanding atherosclerosis. 2015 , 72, 3853-69	46
1224	Impact of Detachment Methods on M2 Macrophage Phenotype and Function. 2015 , 426, 56-61	25
1223	Acute myocardial infarction activates distinct inflammation and proliferation pathways in circulating monocytes, prior to recruitment, and identified through conserved transcriptional responses in mice and humans. 2015 , 36, 1923-34	57
1222	A mathematical model for lymphangiogenesis in normal and diabetic wounds. 2015 , 383, 61-86	21

1221	Quantitative proteomics analyses of activation states of human THP-1 macrophages. 2015 , 128, 164-72	8
1220	Dysfunction in macrophage toll-like receptor signaling caused by an inborn error of cationic amino acid transport. 2015 , 67, 416-25	17
1219	Macrophage infiltration in the omental and subcutaneous adipose tissues of dairy cows with displaced abomasum. 2015 , 98, 6176-87	28
1218	Macrophages at the fork in the road to health or disease. 2015 , 6, 59	50
1217	Differential Promoter Methylation of Macrophage Genes Is Associated With Impaired Vascular Growth in Ischemic Muscles of Hyperlipidemic and Type 2 Diabetic Mice: Genome-Wide Promoter Methylation Study. 2015 , 117, 289-99	43
1216	IRF2BP2 Reduces Macrophage Inflammation and Susceptibility to Atherosclerosis. 2015 , 117, 671-83	46
1215	Macrophages and their interactions with oncolytic viruses. 2015 , 24, 23-9	7
1214	Age-associated inflammation connects RAS-induced senescence to stem cell dysfunction and epidermal malignancy. 2015 , 22, 1764-74	42
1213	The macrophage phagocytic receptor CD36 promotes fibrogenic pathways on removal of apoptotic cells during chronic kidney injury. 2015 , 185, 2232-45	42
1212	Receptor Activator of NF- κ B Ligand Promotes the Production of CCL17 from RANK+ M2 Macrophages. 2015 , 135, 2884-2887	42
1211	GM-CSF: An immune modulatory cytokine that can suppress autoimmunity. 2015 , 75, 261-71	99
1210	Transcriptional (ChIP-Chip) Analysis of ELF1, ETS2, RUNX1 and STAT5 in Human Abdominal Aortic Aneurysm. 2015 , 16, 11229-58	13
1209	Ex vivo and in vitro effect of serum amyloid a in the induction of macrophage M2 markers and efferocytosis of apoptotic neutrophils. <i>Journal of Immunology</i> , 2015 , 194, 4891-900	5-3 52
1208	Functional analysis and transcriptomic profiling of iPSC-derived macrophages and their application in modeling Mendelian disease. 2015 , 117, 17-28	68
1207	Prevalence of M4 macrophages within human coronary atherosclerotic plaques is associated with features of plaque instability. 2015 , 186, 219-25	32
1206	Dynamic reciprocity in cell-scaffold interactions. 2015 , 82-83, 77-85	13
1205	Sorafenib inhibits macrophage-induced growth of hepatoma cells by interference with insulin-like growth factor-1 secretion. 2015 , 62, 863-70	45
1204	Roles of microglia in brain development, tissue maintenance and repair. 2015 , 138, 1138-59	225

1203	Acetylation of human mitochondrial citrate carrier modulates mitochondrial citrate/malate exchange activity to sustain NADPH production during macrophage activation. 2015 , 1847, 729-38		65
1202	Replication of Salmonella enterica Serovar Typhimurium in Human Monocyte-Derived Macrophages. 2015 , 83, 2661-71		27
1201	AhR-dependent secretion of PDGF-BB by human classically activated macrophages exposed to DEP extracts stimulates lung fibroblast proliferation. 2015 , 285, 170-8		22
1200	Immunolabeling of gamma-glutamyl transferase 5 in normal human tissues reveals that expression and localization differ from gamma-glutamyl transferase 1. 2015 , 143, 505-15		18
1199	Infection homeostasis: implications for therapeutic and immune programming of metabolism in controlling infection. 2015 , 204, 395-407		10
1198	Phenotypic, functional, and plasticity features of classical and alternatively activated human macrophages. 2015 , 53, 676-88		252
1197	Monocyte/Macrophage-derived IGF-1 Orchestrates Murine Skeletal Muscle Regeneration and Modulates Autocrine Polarization. 2015 , 23, 1189-1200		176
1196	Silencing collapsin response mediator protein-2 reprograms macrophage phenotype and improves infarct healing in experimental myocardial infarction model. 2015 , 12, 11		30
1195	TNF-related apoptosis-inducing ligand promotes human preadipocyte proliferation via ERK1/2 activation. 2015 , 29, 3065-75		13
1194	Macrophage epoxygenase determines a profibrotic transcriptome signature. <i>Journal of Immunology</i> , 2015 , 194, 4705-4716	5-3	20
1193	Macrophage polarization alters the expression and sulfation pattern of glycosaminoglycans. 2015 , 25, 502-13		34
1192	Macrophage Plasticity and Polarization. 2015 , 117-130		4
1191	A comprehensive time-course-based multicohort analysis of sepsis and sterile inflammation reveals a robust diagnostic gene set. 2015 , 7, 287ra71		197
1190	Cellular interactions in the pathogenesis of interstitial lung diseases. 2015 , 24, 102-14		157
1189	Temporal phenotypic features distinguish polarized macrophages in vitro. 2015 , 48, 161-76		44
1188	Potency Analysis of Cellular Therapies. 2015 , 41-58		
1187	Extracellular poly(ADP-ribose) is a pro-inflammatory signal for macrophages. 2015 , 22, 446-452		34
1186	Controlled release of cytokines using silk-biomaterials for macrophage polarization. 2015 , 73, 272-83		82

1185	Redefining the transcriptional regulatory dynamics of classically and alternatively activated macrophages by deepCAGE transcriptomics. 2015 , 43, 6969-82	38
1184	AMP-activated protein kinase suppresses arachidonate 15-lipoxygenase expression in interleukin 4-polarized human macrophages. 2015 , 290, 24484-94	25
1183	Increased expression of NAMPT in PBMC from patients with acute coronary syndrome and in inflammatory M1 macrophages. 2015 , 243, 204-10	35
1182	Inflammation activation and resolution in human tendon disease. 2015 , 7, 311ra173	133
1181	Elevated ARG1 expression in primary monocytes-derived macrophages as a predictor of radiation-induced acute skin toxicities in early breast cancer patients. 2015 , 16, 1281-8	7
1180	Immune phenotypes of microglia in human neurodegenerative disease: challenges to detecting microglial polarization in human brains. 2015 , 7, 56	243
1179	Molecular Mechanisms of Latent Inflammation in Metabolic Syndrome. Possible Role of Sirtuins and Peroxisome Proliferator-Activated Receptor Type α 2015 , 80, 1217-26	14
1178	M1 and M2 macrophages derived from THP-1 cells differentially modulate the response of cancer cells to etoposide. 2015 , 15, 577	393
1177	Granulocyte Macrophage Colony-Stimulating Factor-Activated CD39/CD73 Murine Monocytes Modulate Intestinal Inflammation via Induction of Regulatory T Cells. 2015 , 1, 433-449.e1	20
1176	Subpopulations of macrophages within eutopic endometrium of endometriosis patients. 2015 , 73, 221-31	54
1175	Control of Macrophage Dynamics as a Potential Therapeutic Approach for Clinical Disorders Involving Chronic Inflammation. 2015 , 354, 240-50	28
1174	Differential Gene Expression Profiles Reflecting Macrophage Polarization in Aging and Periodontitis Gingival Tissues. 2015 , 44, 643-64	50
1173	Changes in transcriptome of macrophages in atherosclerosis. 2015 , 19, 1163-73	63
1172	Histone deacetylase 5 regulates the inflammatory response of macrophages. 2015 , 19, 2162-71	38
1171	IRF2BP2: A New Player at the Crossroads of Inflammation and Lipid Metabolism. 2015 , 117, 656-8	4
1170	Macrophage Blockade Using CSF1R Inhibitors Reverses the Vascular Leakage Underlying Malignant Ascites in Late-Stage Epithelial Ovarian Cancer. 2015 , 75, 4742-52	66
1169	Priming of Human Resting NK Cells by Autologous M1 Macrophages via the Engagement of IL-1 β , IFN- γ and IL-15 Pathways. <i>Journal of Immunology</i> , 2015 , 195, 2818-28	5-3 63
1168	Duck TRIM27-L enhances MAVS signaling and is absent in chickens and turkeys. 2015 , 67, 607-15	7

1167	Macrophage and microglial plasticity in the injured spinal cord. 2015 , 307, 311-8	82
1166	Metabolic Reprogramming of Immune Cells in Cancer Progression. 2015 , 43, 435-49	301
1165	GM-CSF Promotes Macrophage Alternative Activation after Renal Ischemia/Reperfusion Injury. 2015 , 26, 1334-45	77
1164	Endotoxin Nanovesicles: Hydrophilic Gold Nanodots Control Supramolecular Lipopolysaccharide Assembly for Modulating Immunological Responses. 2015 , 15, 6446-53	7
1163	Interaction studies reveal specific recognition of an anti-inflammatory polyphosphorhydrazone dendrimer by human monocytes. 2015 , 7, 17672-84	33
1162	CD14+ cells from peripheral blood positively regulate hematopoietic stem and progenitor cell survival resulting in increased erythroid yield. 2015 , 100, 1396-406	39
1161	Molecular and epigenetic basis of macrophage polarized activation. 2015 , 27, 237-48	123
1160	Response gene to complement 32 (RGC-32) expression on M2-polarized and tumor-associated macrophages is M-CSF-dependent and enhanced by tumor-derived IL-4. 2015 , 12, 692-9	36
1159	CXCL4-induced plaque macrophages can be specifically identified by co-expression of MMP7+S100A8+ in vitro and in vivo. 2015 , 21, 255-65	62
1158	Biodegradable chitosan microparticles induce delayed STAT-1 activation and lead to distinct cytokine responses in differentially polarized human macrophages in vitro. 2015 , 12, 183-194	26
1157	Preferential M2 macrophages contribute to fibrosis in IgG4-related dacryoadenitis and sialoadenitis, so-called Mikulicz's disease. 2015 , 156, 9-18	88
1156	Epigenetic changes in bone marrow progenitor cells influence the inflammatory phenotype and alter wound healing in type 2 diabetes. 2015 , 64, 1420-30	117
1155	Anti-inflammatory/tissue repair macrophages enhance the cartilage-forming capacity of human bone marrow-derived mesenchymal stromal cells. 2015 , 230, 1258-69	27
1154	The host response to allogeneic and xenogeneic biological scaffold materials. 2015 , 9, 504-11	84
1153	The impact of tumor stroma on drug response in breast cancer. 2015 , 31, 3-15	68
1152	Macrophage subsets in atherosclerosis. 2015 , 12, 10-7	366
1151	Cellular metabolism and macrophage functional polarization. 2015 , 34, 82-100	178
1150	IL-10 enhances the phenotype of M2 macrophages induced by IL-4 and confers the ability to increase eosinophil migration. 2015 , 27, 131-41	103

1149	Aurora kinase a regulates m1 macrophage polarization and plays a role in experimental autoimmune encephalomyelitis. 2015 , 38, 800-11	16
1148	Immune and Inflammatory Signaling Pathways in Exercise and Obesity. 2016 , 10, 268-279	11
1147	Multi-analyte profiling in human carotid atherosclerosis uncovers pro-inflammatory macrophage programming in plaques. 2016 , 115, 1064-72	13
1146	Percutaneous Transluminal Angioplasty in Patients with Peripheral Arterial Disease Does Not Affect Circulating Monocyte Subpopulations. 2016 , 2016, 2708957	2
1145	Control of the Inflammatory Macrophage Transcriptional Signature by miR-155. 2016 , 11, e0159724	95
1144	TGF- β induces M2-like macrophage polarization via SNAIL-mediated suppression of a pro-inflammatory phenotype. 2016 , 7, 52294-52306	211
1143	Identification of stable reference genes for lipopolysaccharide-stimulated macrophage gene expression studies. 2016 , 1, bpw005	4
1142	Human mesenchymal stromal cell-secreted lactate induces M2-macrophage differentiation by metabolic reprogramming. 2016 , 7, 30193-210	82
1141	Myeloperoxidase-Oxidized LDLs Enhance an Anti-Inflammatory M2 and Antioxidant Phenotype in Murine Macrophages. 2016 , 2016, 8249476	6
1140	Cancer Stem Cells and Macrophages: Implications in Tumor Biology and Therapeutic Strategies. 2016 , 2016, 9012369	68
1139	Contribution of Macrophage Polarization to Metabolic Diseases. 2016 , 23, 10-7	37
1138	The Reactive Oxygen Species in Macrophage Polarization: Reflecting Its Dual Role in Progression and Treatment of Human Diseases. 2016 , 2016, 2795090	249
1137	The Macrophage Switch in Obesity Development. 2015 , 6, 637	271
1136	Immunometabolism in Tuberculosis. 2016 , 7, 150	52
1135	TIM-3 Regulates Distinct Functions in Macrophages. 2016 , 7, 229	62
1134	Establishing Porcine Monocyte-Derived Macrophage and Dendritic Cell Systems for Studying the Interaction with PRRSV-1. 2016 , 7, 832	34
1133	Modulation of Macrophage Polarization and HMGB1-TLR2/TLR4 Cascade Plays a Crucial Role for Cardiac Remodeling in Senescence-Accelerated Prone Mice. 2016 , 11, e0152922	34
1132	Central Nervous System Immune Inflammation. 2016 , 29-44	

1131	Immune Evasion Strategies of Glioblastoma. 2016 , 3, 11	152
1130	In vitro inflammatory effects of hard metal (WC-Co) nanoparticle exposure. 2016 , 11, 6195-6206	12
1129	Macrophage polarization in interstitial lung diseases. 2016 , 41, 159-64	35
1128	Periostin in the Cancer Stroma of Mycosis Fungoides Palmaris et Plantaris: A Case Report and Immunohistochemical Study. 2016 , 8, 31-5	2
1127	Glioblastoma-infiltrated innate immune cells resemble M0 macrophage phenotype. 2016 , 1,	226
1126	Macrophage reaction against biomaterials in the mouse model - Phenotypes, functions and markers. 2016 , 43, 3-13	138
1125	Mesenchymal Stem Cell Treatment of Intervertebral Disc Lesion Prevents Fatty Infiltration and Fibrosis of the Multifidus Muscle, but not Cytokine and Muscle Fiber Changes. 2016 , 41, 1208-1217	17
1124	Tissue factor expression by myeloid cells contributes to protective immune response against Mycobacterium tuberculosis infection. 2016 , 46, 464-79	17
1123	Macrophage heterogeneity in the context of rheumatoid arthritis. 2016 , 12, 472-85	310
1122	Guanylate-binding protein 5 is a marker of interferon- γ -induced classically activated macrophages. 2016 , 5, e111	36
1121	Ionizing radiation modulates human macrophages towards a pro-inflammatory phenotype preserving their pro-invasive and pro-angiogenic capacities. 2016 , 6, 18765	107
1120	Rab17 mediates differential antigen sorting following efferocytosis and phagocytosis. 2016 , 7, e2529	28
1119	Human Mesenchymal stem cells program macrophage plasticity by altering their metabolic status via a PGE-dependent mechanism. 2016 , 6, 38308	204
1118	Transcriptional Regulation and Macrophage Differentiation. 2016 , 4,	15
1117	G Protein-Coupled Receptors in Macrophages. 2016 , 4,	10
1116	Time Series miRNA-mRNA integrated analysis reveals critical miRNAs and targets in macrophage polarization. 2016 , 6, 37446	41
1115	Evaluation of the Tobacco Heating System 2.2. Part 7: Systems toxicological assessment of a mentholated version revealed reduced cellular and molecular exposure effects compared with mentholated and non-mentholated cigarette smoke. 2016 , 81 Suppl 2, S123-S138	38
1114	Treatment with a Urokinase Receptor-derived Cyclized Peptide Improves Experimental Colitis by Preventing Monocyte Recruitment and Macrophage Polarization. 2016 , 22, 2390-401	10

1113	Bacterial Sepsis Increases Survival in Metastatic Melanoma: Chlamydophila Pneumoniae Induces Macrophage Polarization and Tumor Regression. 2016 , 136, 862-865	10
1112	HIV-1-Mediated BAFF Secretion in Macrophages Does Not Require Endosomal TLRs, Type-I IFN, and Nef, but Depends on the Cellular Phenotype Status. <i>Journal of Immunology</i> , 2016 , 196, 3806-17	53 6
1111	The Ontogeny and Microenvironmental Regulation of Tumor-Associated Macrophages. 2016 , 25, 775-791	34
1110	Quantitation of Productively Infected Monocytes and Macrophages of Simian Immunodeficiency Virus-Infected Macaques. 2016 , 90, 5643-5656	72
1109	Macrophages and Dendritic Cells: Partners in Atherogenesis. 2016 , 118, 637-52	71
1108	CSF1 Overexpression Promotes High-Grade Glioma Formation without Impacting the Polarization Status of Glioma-Associated Microglia and Macrophages. 2016 , 76, 2552-60	55
1107	Transcriptomic analysis of monocytes and macrophages derived from CLL patients which display differing abilities to respond to therapeutic antibody immune complexes. 2016 , 7, 4-6	4
1106	Cell-to-Cell Contact and Nectin-4 Govern Spread of Measles Virus from Primary Human Myeloid Cells to Primary Human Airway Epithelial Cells. 2016 , 90, 6808-6817	28
1105	Emodin Bidirectionally Modulates Macrophage Polarization and Epigenetically Regulates Macrophage Memory. 2016 , 291, 11491-503	40
1104	Differential regulation of aldose reductase expression during macrophage polarization depends on hyperglycemia. 2016 , 22, 230-7	12
1103	Sialylation and desialylation dynamics of monocytes upon differentiation and polarization to macrophages. 2016 , 33, 725-33	20
1102	Iron gene expression profile in atherogenic Mox macrophages. 2016 , 1862, 1137-46	24
1101	Dynamic macrophage polarization-specific miRNA patterns reveal increased soluble VEGF receptor 1 by miR-125a-5p inhibition. 2016 , 48, 345-60	14
1100	Impact of individual intravenous iron preparations on the differentiation of monocytes towards macrophages and dendritic cells. 2016 , 31, 1835-1845	15
1099	Membrane-Tethered MUC1 Mucin Counter-Regulates the Phagocytic Activity of Macrophages. 2016 , 54, 515-23	19
1098	MicroRNA regulation of macrophages in human pathologies. 2016 , 73, 3473-95	43
1097	IRF5 and IRF5 Disease-Risk Variants Increase Glycolysis and Human M1 Macrophage Polarization by Regulating Proximal Signaling and Akt2 Activation. 2016 , 16, 2442-55	58
1096	Changes in Myeloid Lineage Cells in the Uterus and Peripheral Blood of Dairy Heifers During Early Pregnancy. 2016 , 95, 68	12

1095	Mice deficient in N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase exhibit enhanced liver fibrosis and delayed recovery from fibrosis in carbon tetrachloride-treated mice. 2016 , 2, e00138	5
1094	The effects of ripasudil (K-115), a Rho kinase inhibitor, on activation of human conjunctival fibroblasts. 2016 , 149, 107-115	26
1093	Upregulation of IFN-Inducible and Damage-Response Pathways in Chronic Graft-versus-Host Disease. <i>Journal of Immunology</i> , 2016 , 197, 3490-3503	5:3 30
1092	A perspective on single cell behavior during infection. 2016 , 7, 518-525	9
1091	Splenic Marginal Zone Granulocytes Acquire an Accentuated Neutrophil B-Cell Helper Phenotype in Chronic Lymphocytic Leukemia. 2016 , 76, 5253-65	16
1090	Cytokine decoy and scavenger receptors as key regulators of immunity and inflammation. 2016 , 87, 37-45	26
1089	Mesenchymal Stromal Cells Induce Peculiar Alternatively Activated Macrophages Capable of Dampening Both Innate and Adaptive Immune Responses. 2016 , 34, 1909-21	105
1088	The macrophage and its role in inflammation and tissue repair: mathematical and systems biology approaches. 2016 , 8, 87-99	44
1087	In vitro response of macrophages to ceramic scaffolds used for bone regeneration. 2016 , 13,	29
1086	Integrated regulation of the cellular metabolism and function of immune cells in adipose tissue. 2016 , 43, 294-303	20
1085	Inflammation and macrophage polarization in cutaneous melanoma: Histopathological and immunohistochemical study. 2016 , 29, 715-719	12
1084	Dual role of macrophages in the response of C26 colon carcinoma cells to 5-fluorouracil administration. 2016 , 12, 1183-1191	17
1083	Chemotherapy-Induced IL34 Enhances Immunosuppression by Tumor-Associated Macrophages and Mediates Survival of Chemoresistant Lung Cancer Cells. 2016 , 76, 6030-6042	99
1082	Different expression and subcellular localization of Phosphoinositide-specific Phospholipase C enzymes in differently polarized macrophages. 2016 , 10, 283-293	11
1081	Onionin A, a sulfur-containing compound isolated from onions, impairs tumor development and lung metastasis by inhibiting the protumoral and immunosuppressive functions of myeloid cells. 2016 , 60, 2467-2480	26
1080	Adaptive Characteristics of Innate Immune Responses in Macrophages. 2016 , 4,	9
1079	Human newborn bacille Calmette-Guérin vaccination and risk of tuberculosis disease: a case-control study. 2016 , 14, 76	41
1078	Strain-dependent response to stimulation in middle-aged rat macrophages: A quest after a useful indicator of healthy aging. 2016 , 85, 95-107	4

1077	Identification of Pathway-Specific Serum Biomarkers of Response to Glucocorticoid and Infliximab Treatment in Children with Inflammatory Bowel Disease. 2016 , 7, e192	32
1076	Human macrophage cathepsin B-mediated C-terminal cleavage of apolipoprotein A-I at Ser228 severely impairs antiatherogenic capacity. 2016 , 30, 4239-4255	14
1075	Porphyromonas gingivalis-mediated signaling through TLR4 mediates persistent HIV infection of primary macrophages. 2016 , 499, 72-81	6
1074	Macrophage receptor SR-AI is crucial to maintain normal plasma levels of coagulation factor X. 2016 , 127, 778-86	8
1073	Yeast (<i>Saccharomyces cerevisiae</i>) Polarizes Both M-CSF- and GM-CSF-Differentiated Macrophages Toward an M1-Like Phenotype. 2016 , 39, 1690-703	9
1072	Is Synovial Macrophage Activation the Inflammatory Link Between Obesity and Osteoarthritis?. 2016 , 18, 57	22
1071	Design, clinical translation and immunological response of biomaterials in regenerative medicine. 2016 , 1,	136
1070	One microenvironment does not fit all: heterogeneity beyond cancer cells. 2016 , 35, 601-629	41
1069	Lipid profiling of polarized human monocyte-derived macrophages. 2016 , 127, 1-8	24
1068	The effects on weight loss and gene expression in adipose and hepatic tissues of very-low carbohydrate and low-fat isoenergetic diets in diet-induced obese mice. 2016 , 13, 78	11
1067	Adipose tissue macrophage in immune regulation of metabolism. 2016 , 59, 1232-1240	8
1066	JAK2 Disease-Risk Variants Are Gain of Function and JAK Signaling Threshold Determines Innate Receptor-Induced Proinflammatory Cytokine Secretion in Macrophages. <i>Journal of Immunology</i> , 2016 , 197, 3695-3704	5-3 14
1065	Host-Parasite Interactions. 2016 , 409-430	
1064	Quaking promotes monocyte differentiation into pro-atherogenic macrophages by controlling pre-mRNA splicing and gene expression. 2016 , 7, 10846	66
1063	Macrophages in age-related chronic inflammatory diseases. 2016 , 2, 16018	132
1062	A vector platform for the rapid and efficient engineering of stable complex transgenes. 2016 , 6, 34365	10
1061	Alterations in P-Glycoprotein Expression and Function Between Macrophage Subsets. 2016 , 33, 2713-21	21
1060	Differential uptake of nanoparticles by human M1 and M2 polarized macrophages: protein corona as a critical determinant. 2016 , 11, 2889-2902	45

1059	Epithelium-specific Ets transcription factor-1 acts as a negative regulator of cyclooxygenase-2 in human rheumatoid arthritis synovial fibroblasts. 2016 , 6, 43		3
1058	Functional Plasticity of Adipose-Derived Stromal Cells During Development of Obesity. 2016 , 5, 893-900		36
1057	The kidney regulates regeneration, but don't upset the balance. 2016 , 48, 1371-1376		4
1056	Characterization of the Expression and Function of the C-Type Lectin Receptor CD302 in Mice and Humans Reveals a Role in Dendritic Cell Migration. <i>Journal of Immunology</i> , 2016 , 197, 885-98	5-3	17
1055	Airway Microbiota Determines Innate Cell Inflammatory or Tissue Remodeling Profiles in Lung Transplantation. 2016 , 194, 1252-1263		69
1054	Alternative Macrophage Activation Is Increased in Asthma. 2016 , 55, 467-475		102
1053	Monocytes and macrophages in tissue repair: Implications for immunoregenerative biomaterial design. 2016 , 241, 1084-97		218
1052	Sulforaphane regulates phenotypic and functional switching of both induced and spontaneously differentiating human monocytes. 2016 , 35, 85-98		18
1051	Hepatitis C Virus-Induced Monocyte Differentiation Into Polarized M2 Macrophages Promotes Stellate Cell Activation via TGF- β . 2016 , 2, 302-316.e8		37
1050	Ginsenoside Rd alleviates mouse acute renal ischemia/reperfusion injury by modulating macrophage phenotype. 2016 , 40, 196-202		22
1049	Murine Alveolar Macrophages Are Highly Susceptible to Replication of Coxiella burnetii Phase II In Vitro. 2016 , 84, 2439-48		17
1048	Protein Thiol Redox Signaling in Monocytes and Macrophages. 2016 , 25, 816-835		37
1047	Effects of IRF1 and IFN- γ Interaction on the M1' polarization of macrophages and its antitumor function. 2016 , 38, 148-60		40
1046	The Rhoptyr Pseudokinase ROP54 Modulates Toxoplasma gondii Virulence and Host GBP2 Loading. 2016 , 1,		19
1045	Tumor-associated M2 macrophages in mycosis fungoides acquire immunomodulatory function by interferon alpha and interferon gamma. 2016 , 83, 182-9		37
1044	Innate Immunity. 2016 , 184-205.e7		1
1043	Tolerogenic dendritic cells show gene expression profiles that are different from those of immunogenic dendritic cells in DBA/1 mice. 2016 , 49, 90-101		5
1042	Impairment of Immunoproteasome Function by Cigarette Smoke and in Chronic Obstructive Pulmonary Disease. 2016 , 193, 1230-41		28

1041	New insights into the multidimensional concept of macrophage ontogeny, activation and function. 2016 , 17, 34-40		436
1040	Bioconjugated Manganese Dioxide Nanoparticles Enhance Chemotherapy Response by Priming Tumor-Associated Macrophages toward M1-like Phenotype and Attenuating Tumor Hypoxia. 2016 , 10, 633-647		389
1039	Targeting GM-CSF in inflammatory diseases. 2016 , 12, 37-48		160
1038	Conversion of human M-CSF macrophages into foam cells reduces their proinflammatory responses to classical M1-polarizing activation. 2016 , 248, 170-8		24
1037	Macrophages and Iron Metabolism. 2016 , 44, 492-504		187
1036	Genetic Deletion of Galectin-3 Does Not Impair Full-Thickness Excisional Skin Healing. 2016 , 136, 1042-1050		11
1035	Plasma cells in primary melanoma. Prognostic significance and possible role of IgA. 2016 , 29, 347-58		28
1034	An M1-like Macrophage Polarization in Decidual Tissue during Spontaneous Preterm Labor That Is Attenuated by Rosiglitazone Treatment. <i>Journal of Immunology</i> , 2016 , 196, 2476-2491	53	105
1033	Carboxyl- and amino-functionalized polystyrene nanoparticles differentially affect the polarization profile of M1 and M2 macrophage subsets. 2016 , 85, 78-87		97
1032	Enhanced Antitumor Activity of EGFP-EGF1-Conjugated Nanoparticles by a Multitargeting Strategy. 2016 , 8, 8918-27		11
1031	New tools for studying microglia in the mouse and human CNS. 2016 , 113, E1738-46		949
1030	Cyclooxygenase 1 (COX1) expression in Type 2 diabetes mellitus: A preliminary study from north India. 2016 , 17, 41-45		3
1029	Mononuclear phagocyte accumulates a stearic acid derivative during differentiation into macrophages. Effects of stearic acid on macrophage differentiation and Mycobacterium tuberculosis control. 2016 , 303, 24-33		6
1028	Alkaline ceramidase 3 deficiency aggravates colitis and colitis-associated tumorigenesis in mice by hyperactivating the innate immune system. 2016 , 7, e2124		35
1027	The Host Immune Response to Tissue-Engineered Organs: Current Problems and Future Directions. 2016 , 22, 208-19		49
1026	Macrophage Infiltration and Alternative Activation during Wound Healing Promote MEK1-Induced Skin Carcinogenesis. 2016 , 76, 805-817		23
1025	Therapeutic depletion of monocyte-derived cells protects from long-term axonal loss in experimental autoimmune encephalomyelitis. 2016 , 290, 36-46		20
1024	Macrophages and pancreatic ductal adenocarcinoma. 2016 , 381, 211-6		38

1023	Macrophage Involvement in Systemic Sclerosis: Do We Need More Evidence?. 2016 , 18, 2		47
1022	Atypical Activin A and IL-10 Production Impairs Human CD16+ Monocyte Differentiation into Anti-Inflammatory Macrophages. <i>Journal of Immunology</i> , 2016 , 196, 1327-37	53	31
1021	Human mesenchymal stem cells alter the gene profile of monocytes from patients with Type 2 diabetes and end-stage renal disease. 2016 , 11, 145-58		11
1020	Colony stimulating factor 1 receptor inhibition delays recurrence of glioblastoma after radiation by altering myeloid cell recruitment and polarization. 2016 , 18, 797-806		114
1019	Purinergic signaling during macrophage differentiation results in M2 alternative activated macrophages. 2016 , 99, 289-99		30
1018	The role of inflammatory biomarkers in developing targeted cardiovascular therapies: lessons from the cardiovascular inflammation reduction trials. 2016 , 109, 9-23		29
1017	Polarization of immune responses in fish: The 'macrophages first' point of view. 2016 , 69, 146-56		87
1016	Aging affects the responsiveness of rat peritoneal macrophages to GM-CSF and IL-4. 2016 , 17, 359-71		19
1015	Microglia in the TBI brain: The good, the bad, and the dysregulated. 2016 , 275 Pt 3, 316-327		365
1014	Serum exosomes and cytokines promote a T-helper cell type 2 environment in the peripheral blood of glioblastoma patients. 2016 , 18, 206-15		53
1013	The proangiogenic potential of a novel calcium releasing biomaterial: Impact on cell recruitment. 2016 , 29, 435-445		31
1012	HMGB1 enhances the protumoral activities of M2 macrophages by a RAGE-dependent mechanism. 2016 , 37, 3321-9		43
1011	Inhibition of vacuolar ATPase subunit in tumor cells delays tumor growth by decreasing the essential macrophage population in the tumor microenvironment. 2016 , 35, 1058-65		29
1010	The delicate balance of macrophages in colorectal cancer; their role in tumour development and therapeutic potential. 2017 , 222, 21-30		26
1009	An in-depth comparison of the porcine, murine and human inflammasomes; lessons from the porcine genome and transcriptome. 2017 , 202, 2-15		63
1008	Microglial phenotypes in Parkinson's disease and animal models of the disease. 2017 , 155, 57-75		143
1007	Differential immunophenotype of macrophages in acute and chronic chorioamnionitis. 2017 , 45, 483-491		10
1006	TRIM8 regulates stemness in glioblastoma through PIAS3-STAT3. 2017 , 11, 280-294		36

1005	Proangiogenic characteristics of activated macrophages from patients with age-related macular degeneration. 2017 , 51, 71-82	15
1004	Polarization of microglia and its role in bacterial sepsis. 2017 , 303, 90-98	23
1003	Modulation of actin dynamics as potential macrophage subtype-targeting anti-tumour strategy. 2017 , 7, 41434	16
1002	Isolation and Differentiation of Human Macrophages. 2017 , 1527, 311-320	11
1001	The effects of exogenous fatty acids and niacin on human monocyte-macrophage plasticity. 2017 , 61, 1600824	14
1000	Harvesting pre-polarized macrophages using thermo-responsive substrates. 2017 , 7, 42495	5
999	Exosomes from M1-Polarized Macrophages Potentiate the Cancer Vaccine by Creating a Pro-inflammatory Microenvironment in the Lymph Node. 2017 , 25, 1665-1675	149
998	IL-7 β protein is expressed in human tissues and induces expression of the oxidized low density lipoprotein receptor 1 (OLR1) in CD14+ monocytes. 2017 , 59, 29-36	1
997	IL-10 expression in macrophages from neonates born from obese mothers is suppressed by IL-4 and LPS/INF γ 2017 , 232, 3693-3701	12
996	Rheb1 deletion in myeloid cells aggravates OVA-induced allergic inflammation in mice. 2017 , 7, 42655	20
995	An inflammatory gene signature distinguishes neurofibroma Schwann cells and macrophages from cells in the normal peripheral nervous system. 2017 , 7, 43315	26
994	Enhancement of macrophage inflammatory responses by CCL2 is correlated with increased miR-9 expression and downregulation of the ERK1/2 phosphatase Dusp6. 2017 , 314, 63-72	42
993	Macrophage activation and polarization in post-infarction cardiac remodeling. 2017 , 24, 13	84
992	Metabolic Alterations Contribute to Enhanced Inflammatory Cytokine Production in Irgm1-deficient Macrophages. 2017 , 292, 4651-4662	13
991	The Effects of M1 and M2 Macrophages on Odontogenic Differentiation of Human Dental Pulp Cells. 2017 , 43, 596-601	14
990	IGF1 Shapes Macrophage Activation in Response to Immunometabolic Challenge. 2017 , 19, 225-234	90
989	Interleukin-1 Receptor 2: A New Biomarker for Sepsis Diagnosis and Gram-Negative/Gram-Positive Bacterial Differentiation. 2017 , 47, 119-124	19
988	Mass cytometry deep phenotyping of human mononuclear phagocytes and myeloid-derived suppressor cells from human blood and bone marrow. 2017 , 102, 437-447	46

987	Roles of M1 and M2 Macrophages in Herpes Simplex Virus 1 Infectivity. 2017 , 91,	30
986	SCRG1 suppresses LPS-induced CCL22 production through ERK1/2 activation in mouse macrophage Raw264.7 cells. 2017 , 15, 4069-4076	6
985	Monocyte/Macrophage: NK Cell Cooperation-Old Tools for New Functions. 2017 , 62, 73-145	4
984	Evolutionary Aspects of Macrophages Polarization. 2017 , 62, 3-22	45
983	Single-cell RNA-seq enables comprehensive tumour and immune cell profiling in primary breast cancer. 2017 , 8, 15081	459
982	Macrophages. 2017 ,	5
981	Regulatory monocytes in helminth infections: insights from the modulation during human hookworm infection. 2017 , 17, 253	13
980	Macrophages and Their Contribution to the Development of Atherosclerosis. 2017 , 62, 273-298	11
979	CCR2-dependent monocyte-derived macrophages resolve inflammation and restore gut motility in postoperative ileus. 2017 , 66, 2098-2109	45
978	Ubiquitin enzymes in the regulation of immune responses. 2017 , 52, 425-460	76
977	Interleukin 6 may be related to indoleamine 2,3-dioxygenase function in M2 macrophages treated with small dense LDL particles. 2017 , 626, 442-446	7
976	Colony-Stimulating Factor 1 Receptor Blockade Inhibits Tumor Growth by Altering the Polarization of Tumor-Associated Macrophages in Hepatocellular Carcinoma. 2017 , 16, 1544-1554	74
975	DHRS9 Is a Stable Marker of Human Regulatory Macrophages. 2017 , 101, 2731-2738	38
974	Colony-stimulating factor-1-induced AIF1 expression in tumor-associated macrophages enhances the progression of hepatocellular carcinoma. 2017 , 6, e1333213	36
973	Regulatory effect of dietary intake of chromium propionate on the response of monocyte-derived macrophages from Holstein cows in mid lactation. 2017 , 100, 6389-6399	5
972	Incidence of Posttransplantation Diabetes Mellitus in De Novo Kidney Transplant Recipients Receiving Prolonged-Release Tacrolimus-Based Immunosuppression With 2 Different Corticosteroid Minimization Strategies: ADVANCE, A Randomized Controlled Trial. 2017 , 101, 1924-1934	35
971	Monitoring Cell-surface -Glycoproteome Dynamics by Quantitative Proteomics Reveals Mechanistic Insights into Macrophage Differentiation. 2017 , 16, 770-785	27
970	The duality of macrophage function in chronic lymphocytic leukaemia. 2017 , 1868, 176-182	8

969	Quantitative profiling of glycerophospholipids during mouse and human macrophage differentiation using targeted mass spectrometry. 2017 , 7, 412	35
968	Inhibition of atherogenesis by the COP9 signalosome subunit 5 in vivo. 2017 , 114, E2766-E2775	24
967	MS4A4A: a novel cell surface marker for M2 macrophages and plasma cells. 2017 , 95, 611-619	43
966	Identification of an atypical etiological head and neck squamous carcinoma subtype featuring the CpG island methylator phenotype. 2017 , 17, 223-236	44
965	Self-renewal and phenotypic conversion are the main physiological responses of macrophages to the endogenous estrogen surge. 2017 , 7, 44270	37
964	Dermal Fibroblasts Promote Alternative Macrophage Activation Improving Impaired Wound Healing. 2017 , 137, 941-950	25
963	Macrophage activation status determines the internalization of mesoporous silica particles of different sizes: Exploring the role of different pattern recognition receptors. 2017 , 121, 28-40	43
962	The CD44-Mediated Uptake of Hyaluronic Acid-Based Carriers in Macrophages. 2017 , 6, 1601012	70
961	Canonical NF κ B signaling in myeloid cells is required for the glioblastoma growth. 2017 , 7, 13754	24
960	Immune Metabolism in Health and Tumor. 2017 ,	3
959	Wandering pathways in the regulation of innate immunity and inflammation. 2017 , 85, 1-5	20
958	Clinical evaluation of macrophages in cancer: role in treatment, modulation and challenges. 2017 , 66, 1509-1527	13
957	Microarray and bioinformatics analyses of gene expression profiles in BALB/c murine macrophage polarization. 2017 , 16, 7382-7390	16
956	Metabolic regulation of macrophage phenotype and function. 2017 , 280, 102-111	89
955	MKL1 expressed in macrophages contributes to the development of murine colitis. 2017 , 7, 13650	10
954	VEGFR3 inhibition chemosensitizes lung adenocarcinoma A549 cells in the tumor-associated macrophage microenvironment through upregulation of p53 and PTEN. 2017 , 38, 2761-2773	6
953	The role of insulin growth factor-1 on the vascular regenerative effect of MAA coated disks and macrophage-endothelial cell crosstalk. 2017 , 144, 199-210	21
952	Localized Immunomodulatory Silk Macrocapsules for Islet-like Spheroid Formation and Sustained Insulin Production. 2017 , 3, 2443-2456	24

951	Epithelial-mesenchymal transition and inflammation at the site of the primary tumor. 2017 , 47, 177-184	92
950	Infiltration of polarized macrophages associated with liver fibrosis in infants with biliary atresia. 2017 , 52, 1984-1988	3
949	M1 Means Kill; M2 Means Heal. <i>Journal of Immunology</i> , 2017 , 199, 2191-2193	5:3 112
948	Proteomic Signature Reveals Modulation of Human Macrophage Polarization and Functions Under Differing Environmental Oxygen Conditions. 2017 , 16, 2153-2168	17
947	Maternal Pregravid Obesity Remodels the DNA Methylation Landscape of Cord Blood Monocytes Disrupting Their Inflammatory Program. <i>Journal of Immunology</i> , 2017 , 199, 2729-2744	5:3 32
946	Neuroimmunology of Traumatic Brain Injury: Time for a Paradigm Shift. 2017 , 95, 1246-1265	300
945	Metalloproteinases in atherosclerosis. 2017 , 816, 93-106	103
944	Classification of M1/M2-polarized human macrophages by label-free hyperspectral reflectance confocal microscopy and multivariate analysis. 2017 , 7, 8965	93
943	Anti-inflammatory effects of octadecylamine-functionalized nanodiamond on primary human macrophages. 2017 , 5, 2131-2143	24
942	MicroRNA sequence analysis identifies microRNAs associated with peri-implantitis in dogs. 2017 , 37,	15
941	Immune Cell Metabolism in Tumor Microenvironment. 2017 , 1011, 163-196	13
940	TSG-6 Secreted by Human Adipose Tissue-derived Mesenchymal Stem Cells Ameliorates DSS-induced colitis by Inducing M2 Macrophage Polarization in Mice. 2017 , 7, 5187	66
939	Macrophages treated with non-digestible polysaccharides reveal a transcriptionally unique phenotype. 2017 , 36, 280-289	10
938	Development of a bead-based multiplexed assay for simultaneous quantification of five bovine cytokines by flow cytometry. 2017 , 91, 901-907	5
937	Pharmacologic or Genetic Targeting of Glutamine Synthetase Skews Macrophages toward an M1-like Phenotype and Inhibits Tumor Metastasis. 2017 , 20, 1654-1666	153
936	The influence of vitamin D on M1 and M2 macrophages in patients with Crohn's disease. 2017 , 23, 557-565	31
935	Deep RNA Sequencing Uncovers a Repertoire of Human Macrophage Long Intergenic Noncoding RNAs Modulated by Macrophage Activation and Associated With Cardiometabolic Diseases. 2017 , 6,	27
934	Multi-platform 'Omics Analysis of Human Ebola Virus Disease Pathogenesis. 2017 , 22, 817-829.e8	57

933	Thymoquinone reduces kidney damage in apolipoprotein E-deficient mice fed a high-cholesterol diet. 2017 , 7, 53002-53009	1
932	Inhibition of intimal hyperplasia in murine aortic allografts by administration of a small-molecule TLR4 inhibitor TAK-242. 2017 , 7, 15799	7
931	Clodronate Improves Survival of Transplanted Hoxb8 Myeloid Progenitors with Constitutively Active GMCSFR in Immunocompetent Mice. 2017 , 7, 60-73	2
930	GM-CSF- and M-CSF-primed macrophages present similar resolving but distinct inflammatory lipid mediator signatures. 2017 , 31, 4370-4381	35
929	IL-4 up-regulates cyclooxygenase-1 expression in macrophages. 2017 , 292, 14544-14555	11
928	Activation of murine macrophages by G1-4A, a polysaccharide from <i>Tinospora cordifolia</i> , in TLR4/MyD88 dependent manner. 2017 , 50, 168-177	28
927	Monocyte differentiation and macrophage priming are regulated differentially by pentraxins and their ligands. 2017 , 18, 30	23
926	The contribution of tumor-associated macrophages in glioma neo-angiogenesis and implications for anti-angiogenic strategies. 2017 , 19, 1435-1446	65
925	Increased FcγRIIB dominance contributes to the emergence of resistance to therapeutic antibodies in chronic lymphocytic leukaemia patients. 2017 , 36, 2366-2376	9
924	A possible interaction between periostin and CD163 skin-resident macrophages in pemphigus vulgaris and bullous pemphigoid. 2017 , 26, 1193-1198	26
923	Differential regulation of macrophage inflammatory activation by fibrin and fibrinogen. 2017 , 47, 14-24	88
922	The contributions of lung macrophage and monocyte heterogeneity to influenza pathogenesis. 2017 , 95, 225-235	41
921	Epigenetic synergism between interleukin-4 and aryl-hydrocarbon receptor in human macrophages. 2017 , 95, 395-404	8
920	Human cells involved in atherosclerosis have a sex. 2017 , 228, 983-1001	18
919	<i>Lentinula edodes</i> β-glucan enriched diet induces pro- and anti-inflammatory macrophages in rabbit. 2017 , 61, 1412791	7
918	Contribution of Adipose Tissue to Development of Cancer. 2017 , 8, 237-282	89
917	G Protein-Coupled Receptors in Macrophages. 2017 , 485-505	1
916	Adaptive Characteristics of Innate Immune Responses in Macrophages. 2017 , 679-686	

915	Transcriptional Regulation and Macrophage Differentiation. 2017 , 117-139	1
914	Nanosized UCMSC-derived extracellular vesicles but not conditioned medium exclusively inhibit the inflammatory response of stimulated T cells: implications for nanomedicine. 2017 , 7, 270-284	108
913	Promotion of Tumor Invasion by Tumor-Associated Macrophages: The Role of CSF-1-Activated Phosphatidylinositol 3 Kinase and Src Family Kinase Motility Signaling. 2017 , 9,	34
912	Regulation of Epigenetic Modifiers, Including KDM6B, by Interferon- γ and Interleukin-4 in Human Macrophages. 2017 , 8, 92	20
911	Macrophage Polarization Modulates Fc γ R- and CD13-Mediated Phagocytosis and Reactive Oxygen Species Production, Independently of Receptor Membrane Expression. 2017 , 8, 303	35
910	Regulation of Human Macrophage M1-M2 Polarization Balance by Hypoxia and the Triggering Receptor Expressed on Myeloid Cells-1. 2017 , 8, 1097	116
909	IFN γ Enhances CD64-Potentiated Phagocytosis of Opsonized with Human Syphilitic Serum by Human Macrophages. 2017 , 8, 1227	16
908	Defining Genome-Wide Expression and Phenotypic Contextual Cues in Macrophages Generated by Granulocyte/Macrophage Colony-Stimulating Factor, Macrophage Colony-Stimulating Factor, and Heat-Killed Mycobacteria. 2017 , 8, 1253	4
907	Studies on Colony Stimulating Factor Receptor-1 and Ligands Colony Stimulating Factor-1 and Interleukin-34 in Alzheimer's Disease Brains and Human Microglia. 2017 , 9, 244	42
906	Iron Reduces M1 Macrophage Polarization in RAW264.7 Macrophages Associated with Inhibition of STAT1. 2017 , 2017, 8570818	50
905	Expression of Calgranulin Genes S100A8, S100A9 and S100A12 Is Modulated by n-3 PUFA during Inflammation in Adipose Tissue and Mononuclear Cells. 2017 , 12, e0169614	19
904	Analysis of the human monocyte-derived macrophage transcriptome and response to lipopolysaccharide provides new insights into genetic aetiology of inflammatory bowel disease. 2017 , 13, e1006641	64
903	Cancer-associated fibroblasts promote an immunosuppressive microenvironment through the induction and accumulation of protumoral macrophages. 2017 , 8, 8633-8647	136
902	Regulation of the maturation of human monocytes into immunosuppressive macrophages. 2017 , 1, 2510-2519	12
901	Neuropeptide FF increases M2 activation and self-renewal of adipose tissue macrophages. 2017 , 127, 2842-2854	38
900	Human classical monocytes display unbalanced M1/M2 phenotype with increased atherosclerotic risk and presence of disease. 2017 , 36, 145-155	18
899	Phenotypic Markers and Functional Regulators of Myelomonocytic Cells. 2017 ,	2
898	Chondroitin sulfate proteoglycans as novel drivers of leucocyte infiltration in multiple sclerosis. 2018 , 141, 1094-1110	44

897	Proteomic Identification of Interferon-Induced Proteins with Tetratricopeptide Repeats as Markers of M1 Macrophage Polarization. 2018 , 17, 1485-1499	19
896	Regulation of immunophenotype modulation of monocytes-macrophages from M1 into M2 by prostate cancer cell-culture supernatant via transcription factor STAT3. 2018 , 196, 140-148	20
895	Distinctive profiles of tumor-infiltrating immune cells and association with intensity of infiltration in colorectal cancer. 2018 , 15, 3876-3882	14
894	An M2 Rather than a T2 Response Contributes to Better Protection against Latency Reactivation following Ocular Infection of Naive Mice with a Recombinant Herpes Simplex Virus 1 Expressing Murine Interleukin-4. 2018 , 92,	7
893	IL-33/ST2 axis affects the polarization and efferocytosis of decidual macrophages in early pregnancy. 2018 , 79, e12836	13
892	The histamine H4 receptor modulates the differentiation process of human monocyte-derived M1 macrophages and the release of CCL4/MIP-1 β from fully differentiated M1 macrophages. 2018 , 67, 503-513	12
891	Gene Therapy and Immunosenescence. 2018 , 1-27	
890	Reduced substrate stiffness promotes M2-like macrophage activation and enhances peroxisome proliferator-activated receptor α expression. 2018 , 367, 264-273	45
889	Rat strain differences in peritoneal immune cell response to selected gut microbiota: A crossroad between tolerance and autoimmunity?. 2018 , 197, 147-157	4
888	Nanoliposome C6-Ceramide Increases the Anti-tumor Immune Response and Slows Growth of Liver Tumors in Mice. 2018 , 154, 1024-1036.e9	69
887	Rapid activation of tumor-associated macrophages boosts preexisting tumor immunity. 2018 , 215, 859-876	104
886	The cytomegalovirus protein US31 induces inflammation through mono-macrophages in systemic lupus erythematosus by promoting NF- κ B activation. 2018 , 9, 104	20
885	Galectin-3 Interacts with the CH13L1 Axis and Contributes to Hermansky-Pudlak Syndrome Lung Disease. <i>Journal of Immunology</i> , 2018 , 200, 2140-2153	5-3 26
884	Proteoglycans as Immunomodulators of the Innate Immune Response to Lung Infection. 2018 , 66, 241-259	25
883	Module Analysis Captures Pancancer Genetically and Epigenetically Deregulated Cancer Driver Genes for Smoking and Antiviral Response. 2018 , 27, 156-166	21
882	Strain specificities in age-related changes in mechanisms promoting and controlling rat spinal cord damage in experimental autoimmune encephalomyelitis. 2018 , 101, 37-53	5
881	Blocking Interleukin (IL)4- and IL13-Mediated Phosphorylation of STAT6 (Tyr641) Decreases M2 Polarization of Macrophages and Protects Against Macrophage-Mediated Radioresistance of Inflammatory Breast Cancer. 2018 , 100, 1034-1043	50
880	Deproteinized bovine bone matrix induces osteoblast differentiation via macrophage polarization. 2018 , 106, 1236-1246	17

879	Novel click modifiable thioquinazolinones as anti-inflammatory agents: Design, synthesis, biological evaluation and docking study. 2018 , 144, 635-650	36
878	Short-term sustained hyperglycaemia fosters an archetypal senescence-associated secretory phenotype in endothelial cells and macrophages. 2018 , 15, 170-181	69
877	Tuning inflammation and immunity by the negative regulators IL-1R2 and IL-1R8. 2018 , 281, 233-247	48
876	Gene Network Analysis of Interstitial Macrophages After Treatment with Induced Pluripotent Stem Cells Secretome (iPSC-cm) in the Bleomycin Injured Rat Lung. 2018 , 14, 412-424	8
875	Recruitment and therapeutic application of macrophages in skeletal muscles after hind limb ischemia. 2018 , 67, 1908-1920.e1	19
874	Neutrophil derived CSF1 induces macrophage polarization and promotes transplantation tolerance. 2018 , 18, 1247-1255	26
873	A central role for PI3K-AKT signaling pathway in linking SAMHD1-deficiency to the type I interferon signature. 2018 , 8, 84	20
872	IL-34 and CSF-1 display an equivalent macrophage differentiation ability but a different polarization potential. 2018 , 8, 256	86
871	The role of inflammatory cytokines and tumor associated macrophages (TAMs) in microenvironment of pancreatic cancer. 2018 , 39, 46-61	60
870	Canine macrophages can like human macrophages be in vitro activated toward the M2a subtype relevant in allergy. 2018 , 82, 118-127	11
869	Dynamics, ultrastructure and gene expression of human in vitro organized testis cells from testicular sperm extraction biopsies. 2018 , 24, 123-134	13
868	Monocyte activation and inflammation can exacerbate Treg/Th17 imbalance in infants with neonatal necrotizing enterocolitis. 2018 , 59, 354-360	17
867	Zika Virus Infection Preferentially Counterbalances Human Peripheral Monocyte and/or NK Cell Activity. 2018 , 3,	22
866	Monocytes and Macrophages in Heart Valves: Uninvited Guests or Critical Performers?. 2018 , 5, 82-89	8
865	A 90-day OECD TG 413 rat inhalation study with systems toxicology endpoints demonstrates reduced exposure effects of the aerosol from the carbon heated tobacco product version 1.2 (CHTP1.2) compared with cigarette smoke. II. Systems toxicology assessment. 2018 , 115, 284-301	12
864	Differential transcriptional response profiles in human myeloid cell populations. 2018 , 189, 63-74	13
863	Optimization of prednisolone-loaded long-circulating liposomes via application of Quality by Design (QbD) approach. 2018 , 28, 49-61	22
862	Biliary tract instillation of a SMAC mimetic induces TRAIL-dependent acute sclerosing cholangitis-like injury in mice. 2017 , 8, e2535	7

861	Therapeutic effects of CSF1R-blocking antibodies in multiple myeloma. 2018 , 32, 176-183	37
860	Biofabricating atherosclerotic plaques: In vitro engineering of a three-dimensional human fibroatheroma model. 2018 , 150, 49-59	17
859	The impact of interferon-regulatory factors to macrophage differentiation and polarization into M1 and M2. 2018 , 223, 101-111	126
858	Circadian control of pain and neuroinflammation. 2018 , 96, 1002-1020	38
857	A hypermorphic antioxidant response element is associated with increased MS4A6A expression and Alzheimer's disease. 2018 , 14, 686-693	13
856	Increased serum production of soluble CD163 and CXCL5 in patients with moyamoya disease: Involvement of intrinsic immune reaction in its pathogenesis. 2018 , 1679, 39-44	20
855	Heterogeneous effects of M-CSF isoforms on the progression of MLL-AF9 leukemia. 2018 , 96, 190-203	4
854	Repolarizing heterogeneous leukemia-associated macrophages with more M1 characteristics eliminates their pro-leukemic effects. 2018 , 7, e1412910	31
853	Amniotic mesenchymal stem cells mitigate osteoarthritis progression in a synovial macrophage-mediated in vitro explant coculture model. 2018 , 12, 1097-1110	21
852	Macrophages: Their role, activation and polarization in pulmonary diseases. 2018 , 223, 383-396	208
851	Transcriptional profiling identifies novel regulators of macrophage polarization. 2018 , 13, e0208602	47
850	Kinetics of manganese leaching from an iron-rich manganese dioxide ore with bagasse pith as a reductant. 2018 , 42, 20144-20151	9
849	Isolation and characterization of ovine monocyte-derived macrophages from peripheral blood. 2018 , 205, 83-92	2
848	Molecular Interactions Between Innate and Adaptive Immune Cells in Chronic Lymphocytic Leukemia and Their Therapeutic Implications. 2018 , 9, 2720	15
847	Involvement of M1 Macrophage Polarization in Endosomal Toll-Like Receptors Activated Psoriatic Inflammation. 2018 , 2018, 3523642	28
846	Identification of new molecular targets for PET imaging of the microglial anti-inflammatory activation state. 2018 , 8, 5400-5418	31
845	Identification of alterations in macrophage activation associated with disease activity in systemic lupus erythematosus. 2018 , 13, e0208132	40
844	Polarization of Human Macrophages by Interleukin-4 Does Not Require ATP-Citrate Lyase. 2018 , 9, 2858	17

843	Neuroimmune and Systemic Manifestations of Neuroinflammation in the Temporomandibular Joint and Related Disorders. 2018 , 39-60	
842	The estrogen-macrophage interplay in the homeostasis of the female reproductive tract. 2018 , 24, 652-672	17
841	An In Vitro Model of Angiogenesis during Wound Healing Provides Insights into the Complex Role of Cells and Factors in the Inflammatory and Proliferation Phase. 2018 , 19,	21
840	CVID enteropathy is characterized by exceedingly low mucosal IgA levels and interferon-driven inflammation possibly related to the presence of a pathobiont. 2018 , 197, 139-153	26
839	Analysis of Candidate Idarubicin Drug Resistance Genes in MOLT-3 Cells Using Exome Nuclear DNA. 2018 , 9,	1
838	HIV-1 Latency. 2018 ,	1
837	STAT2 Signaling Regulates Macrophage Phenotype During Influenza and Bacterial Super-Infection. 2018 , 9, 2151	23
836	Tumor-associated macrophages in breast cancer: Innocent bystander or important player?. 2018 , 70, 178-189	163
835	The human RNASET2 protein affects the polarization pattern of human macrophages in vitro. 2018 , 203, 102-111	12
834	Dietary energy level affects adipose depot mass but does not impair in vitro subcutaneous adipose tissue response to short-term insulin and tumor necrosis factor- α challenge in nonlactating, nonpregnant Holstein cows. 2018 , 101, 10206-10219	5
833	Tumor-associated macrophages derived CCL18 promotes metastasis in squamous cell carcinoma of the head and neck. 2018 , 18, 120	26
832	Molecular Imaging of Neuroinflammation in Idiopathic Parkinson's Disease. 2018 , 141, 347-363	9
831	Insights into endotoxin-mediated lung inflammation and future treatment strategies. 2018 , 12, 941-955	11
830	Prometastatic Molecular Profiles in Breast Tumors From Socially Isolated Women. 2018 , 2, pky029	15
829	A Novel Function for 15-Lipoxygenases in Cholesterol Homeostasis and CCL17 Production in Human Macrophages. 2018 , 9, 1906	14
828	Macrophage-secreted interleukin-35 regulates cancer cell plasticity to facilitate metastatic colonization. 2018 , 9, 3763	65
827	An immunoregulatory and tissue-residency program modulated by c-MAF in human T17 cells. 2018 , 19, 1126-1136	52
826	Glioblastoma Recurrence Correlates With Increased APE1 and Polarization Toward an Immuno-Suppressive Microenvironment. 2018 , 8, 314	32

825	The metabolic syndrome modifies the mRNA expression profile of extracellular vesicles derived from porcine mesenchymal stem cells. 2018 , 10, 58	26
824	Magnetic Resonance Imaging of Tumor-Associated Macrophages: Clinical Translation. 2018 , 24, 4110-4118	60
823	SIV Latency in Macrophages in the CNS. 2018 , 417, 111-130	16
822	The Bicarbonate Transporter SLC4A7 Plays a Key Role in Macrophage Phagosome Acidification. 2018 , 23, 766-774.e5	33
821	Soya protein β -conglycinin ameliorates fatty liver and obesity in diet-induced obese mice through the down-regulation of PPAR α . 2018 , 119, 1220-1232	13
820	The assembly of lipid droplets and their roles in challenged cells. 2018 , 37,	115
819	A multi-omics analysis of the regulatory changes induced by miR-223 in a monocyte/macrophage cell line. 2018 , 1864, 2664-2678	17
818	Treatment with TNF-inhibitor rectifies M1 macrophage polarization from blood CD14+ monocytes in patients with psoriasis independent of STAT1 and IRF-1 activation. 2018 , 91, 276-284	20
817	Design of Silica-Oligourethane-Collagen Membranes for Inflammatory Response Modulation: Characterization and Polarization of a Macrophage Cell Line. 2018 , 18, e1800099	8
816	Salmonella Typhimurium Infection of Human Monocyte-Derived Macrophages. 2018 , 50, e56	9
815	Theoretical and Applied Aspects of Systems Biology. 2018 ,	2
814	CXCR4/CXCL12 Signaling and Protumor Macrophages in Primary Tumors and Sentinel Lymph Nodes Are Involved in Luminal B Breast Cancer Progression. 2018 , 2018, 5018671	8
813	Similarities and differences between helminth parasites and cancer cell lines in shaping human monocytes: Insights into parallel mechanisms of immune evasion. 2018 , 12, e0006404	7
812	Soluble CD163 as a Potential Biomarker in Systemic Sclerosis. 2018 , 2018, 8509583	17
811	Systems Immunology. 2018 , 159-173	1
810	lncRNAs Regulate Innate Immune Responses and Their Roles in Macrophage Polarization. 2018 , 2018, 8050956	22
809	IL-6 augments IL-4-induced polarization of primary human macrophages through synergy of STAT3, STAT6 and BATF transcription factors. 2018 , 7, e1494110	24
808	Effect of nano-structural properties of biomimetic hydroxyapatite on osteoimmunomodulation. 2018 , 181, 318-332	63

807	Distribution of monocyte subsets and polarization in preeclampsia and intrauterine fetal growth restriction. 2018 , 44, 2135-2148	8
806	Modulating Bone Marrow Hematopoietic Lineage Potential to Prevent Bone Metastasis in Breast Cancer. 2018 , 78, 5300-5314	18
805	Role of Macrophages in Brain Tumor Growth and Progression. 2018 , 19,	57
804	Coactivation of TLR2 and TLR8 in Primary Human Monocytes Triggers a Distinct Inflammatory Signaling Response. 2018 , 9, 618	10
803	Peripheral Blood Monocytes With an Antiinflammatory Phenotype Display Limited Phagocytosis and Oxidative Burst in Patients With Visceral Leishmaniasis. 2018 , 218, 1130-1141	12
802	IRF5 Is a Key Regulator of Macrophage Response to Lipopolysaccharide in Newborns. 2018 , 9, 1597	14
801	USP17 mediates macrophage-promoted inflammation and stemness in lung cancer cells by regulating TRAF2/TRAF3 complex formation. 2018 , 37, 6327-6340	33
800	Transfer of miRNA in Macrophage-Derived Exosomes Induces Drug Resistance in Pancreatic Adenocarcinoma. 2018 , 78, 5287-5299	156
799	Fibronectin aggregates promote features of a classically and alternatively activated phenotype in macrophages. 2018 , 15, 218	18
798	High-Resolution Mapping and Dynamics of the Transcriptome, Transcription Factors, and Transcription Co-Factor Networks in Classically and Alternatively Activated Macrophages. 2018 , 9, 22	31
797	Hypoxia Pathway Proteins As Central Mediators of Metabolism in the Tumor Cells and Their Microenvironment. 2018 , 9, 40	71
796	Role of SLC7A5 in Metabolic Reprogramming of Human Monocyte/Macrophage Immune Responses. 2018 , 9, 53	52
795	The Macrophage Mannose Receptor Regulate Mannan-Induced Psoriasis, Psoriatic Arthritis, and Rheumatoid Arthritis-Like Disease Models. 2018 , 9, 114	21
794	Formation of Foamy Macrophages by Tuberculous Pleural Effusions Is Triggered by the Interleukin-10/Signal Transducer and Activator of Transcription 3 Axis through ACAT Upregulation. 2018 , 9, 459	21
793	Granulocyte-Derived Extracellular Vesicles Activate Monocytes and Are Associated With Mortality in Intensive Care Unit Patients. 2018 , 9, 956	19
792	Nitric Oxide Generated by Tumor-Associated Macrophages Is Responsible for Cancer Resistance to Cisplatin and Correlated With Syntaxin 4 and Acid Sphingomyelinase Inhibition. 2018 , 9, 1186	51
791	Targeting Macrophages in Cancer: From Bench to Bedside. 2018 , 8, 49	254
790	Interplay of Autophagy Inducer Rapamycin and Proteasome Inhibitor MG132 in Reduction of Foam Cell Formation and Inflammatory Cytokine Expression. 2018 , 27, 1235-1248	11

789	Malaria Parasite-Mediated Alteration of Macrophage Function and Increased Iron Availability Predispose to Disseminated Nontyphoidal Salmonella Infection. 2018 , 86,	17
788	Role of Human Macrophage Polarization in Inflammation during Infectious Diseases. 2018 , 19,	408
787	Immunomodulatory and Inhibitory Effect of Immulina, and Immunoges in the Ig-E Mediated Activation of RBL-2H3 Cells. A New Role in Allergic Inflammatory Responses. 2018 , 7,	8
786	Overview of Innate Lung Immunity and Inflammation. 2018 , 1809, 17-30	13
785	Activation and polarization of circulating monocytes in severe chronic obstructive pulmonary disease. 2018 , 18, 101	19
784	Non-inflammatory tumor microenvironment of diffuse intrinsic pontine glioma. 2018 , 6, 51	55
783	Anisotropic cytocompatible electrospun scaffold for tendon tissue engineering elicits limited inflammatory response in vitro. 2018 , 33, 127-139	8
782	How Mitochondrial Metabolism Contributes to Macrophage Phenotype and Functions. 2018 , 430, 3906-3921	18
781	Systematic RNA-interference in primary human monocyte-derived macrophages: A high-throughput platform to study foam cell formation. 2018 , 8, 10516	12
780	A micron-scale surface topography design reducing cell adhesion to implanted materials. 2018 , 8, 10887	56
779	Regulation of monoamine oxidase A (MAO-A) expression, activity, and function in IL-13-stimulated monocytes and A549 lung carcinoma cells. 2018 , 293, 14040-14064	16
778	Mesenchymal Stem Cell-Macrophage Choreography Supporting Spinal Cord Repair. 2018 , 15, 578-587	23
777	Pathophysiologie der Frñschwangerschaft, Plazentation und Immunologie. 2018 , 51, 274-285	
776	Modulation of the Inflammatory Status of Macrophages and Their Paracrine Effect on the Sensitivity of Adipocytes to Insulin with Sirtuin and PPARReceptor Activators. 2018 , 165, 429-433	2
775	Vitamin D and the Cardiovascular System. 2018 , 545-562	1
774	Targeting T Cell Metabolism for Improvement of Cancer Immunotherapy. 2018 , 8, 237	77
773	Mycobacterium tuberculosis: Macrophage Takeover and Modulation of Innate Effector Responses. 2018 ,	6
772	Transcriptome of porcine alveolar macrophages activated by interferon-gamma and lipopolysaccharide. 2018 , 503, 2666-2672	4

771	Micronized Cells of the Probiotic Strain <i>Bifidobacterium lactis</i> BS01 Activate Monocyte Polarization: A New Approach. 2018 , 52 Suppl 1, Proceedings from t, S57-S61	
770	Epigenetic and transcriptional regulation of IL4-induced CCL17 production in human monocytes and murine macrophages. 2018 , 293, 11415-11423	25
769	Regulation of Immunity and Disease by the IL-1 Receptor Family Members IL-1R2 and IL-1R8. 2018 , 225-246	1
768	Inhibitor of apoptosis proteins, NAIP, cIAP1 and cIAP2 expression during macrophage differentiation and M1/M2 polarization. 2018 , 13, e0193643	17
767	Glucocorticoid Metabolism and Activation. 2019 , 90-103	0
766	Quantitative Immunology by Data Analysis Using Mathematical Models. 2019 , 984-992	1
765	The Role of Metabolic Remodeling in Macrophage Polarization and Its Effect on Skeletal Muscle Regeneration. 2019 , 30, 1553-1598	40
764	Stem Cells for Traumatic Brain Injury. 2019 , 369-389	2
763	Macrophage ferroportin is essential for stromal cell proliferation in wound healing. 2019 , 104, 47-58	20
762	A trial of type 12 purinergic (P2Y) receptor inhibition with prasugrel identifies a potentially distinct endotype of patients with aspirin-exacerbated respiratory disease. 2019 , 143, 316-324.e7	23
761	Pulmonary fibroblasts-secreted CXCL10 polarizes alveolar macrophages under pro-inflammatory stimuli. 2019 , 380, 114698	15
760	Programmed cell death ligand 1 (PD-L1) blockade attenuates metastatic colon cancer growth in cAMP-response element-binding protein (CREB)-binding protein (CBP)/ β -catenin inhibitor-treated livers. 2019 , 10, 3013-3026	10
759	Acidity promotes tumour progression by altering macrophage phenotype in prostate cancer. 2019 , 121, 556-566	40
758	Hypoxia-adaptive pathways: A pharmacological target in fibrotic disease?. 2019 , 147, 104364	7
757	Analgesic activity of some aroylhydrazone-based molecular hybrids with antiseizure activity: in vivo and in silico evaluations. 2019 , 33, 98-107	4
756	Tumor-associated macrophages in tumor metastasis: biological roles and clinical therapeutic applications. 2019 , 12, 76	375
755	Intestinal Macrophages in Resolving Inflammation. <i>Journal of Immunology</i> , 2019 , 203, 593-599	5.3 28
754	Whole Genome Microarray Analysis of DUSP4-Deletion Reveals A Novel Role for MAP Kinase Phosphatase-2 (MKP-2) in Macrophage Gene Expression and Function. 2019 , 20,	0

753	The macrophage tetraspan MS4A4A enhances dectin-1-dependent NK cell-mediated resistance to metastasis. 2019 , 20, 1012-1022	45
752	Differential expression of the TP β and TP α isoforms of the human T Prostanoid receptor during chronic inflammation of the prostate: Role for FOXP1 in the transcriptional regulation of TP β during monocyte-macrophage differentiation. 2019 , 110, 104277	1
751	Lipid Metabolic Pathways Confer the Immunosuppressive Function of Myeloid-Derived Suppressor Cells in Tumor. 2019 , 10, 1399	54
750	Mesenchymal stem cell-based bioengineered constructs: foreign body response, cross-talk with macrophages and impact of biomaterial design strategies for pelvic floor disorders. 2019 , 9, 20180089	34
749	Optimizing Mannose "Click" Conjugation to Polymeric Nanoparticles for Targeted siRNA Delivery to Human and Murine Macrophages. 2019 , 4, 16756-16767	7
748	Context-specific regulation of surface and soluble IL7R expression by an autoimmune risk allele. 2019 , 10, 4575	15
747	Regulation of macrophage iron homeostasis is associated with the localization of bacteria. 2019 , 11, 454-461	4
746	Screening for new macrophage therapeutics. 2019 , 9, 7714-7729	13
745	Autologous bone marrow mononuclear cells modulate joint homeostasis in an equine model of synovitis. 2019 , 33, 14337-14353	9
744	Immune biology of glioma-associated macrophages and microglia: functional and therapeutic implications. 2020 , 22, 180-194	37
743	Characterisation of a New Human Alveolar Macrophage-Like Cell Line (Daisy). 2019 , 197, 687-698	2
742	Immunobiology of Atherosclerosis: A Complex Net of Interactions. 2019 , 20,	44
741	Pathogen Evasion of Chemokine Response Through Suppression of CXCL10. 2019 , 9, 280	15
740	Different Approaches to Modulation of Microglia Phenotypes After Spinal Cord Injury. 2019 , 13, 37	44
739	Emerging Roles for G-protein Coupled Receptors in Development and Activation of Macrophages. 2019 , 10, 2031	11
738	The Role of Urokinase, Tumor Necrosis Factor, and Matrix Metalloproteinase-9 in Monocyte Activation. 2019 , 167, 492-495	1
737	Regulatory Macrophages Inhibit Alternative Macrophage Activation and Attenuate Pathology Associated with Fibrosis. <i>Journal of Immunology</i> , 2019 , 203, 2130-2140	5-3 18
736	Intracellular Sensors and Cellular Metabolism in Allogeneic Hematopoietic Stem Cell Transplantation. 2019 , 349-374	

735	Impact of uterine macrophage phenotype on placental retention in dairy cows. 2019 , 127, 145-152	9
734	Sterile particle-induced inflammation is mediated by macrophages releasing IL-33 through a Bruton's tyrosine kinase-dependent pathway. 2019 , 18, 289-297	18
733	l-Arginine Synthesis from l-Citrulline in Myeloid Cells Drives Host Defense against Mycobacteria In Vivo. <i>Journal of Immunology</i> , 2019 , 202, 1747-1754	5:3 17
732	Pharmacologic Considerations in the Disposition of Antibodies and Antibody-Drug Conjugates in Preclinical Models and in Patients. 2019 , 8,	13
731	An introduction to innate immunity in the central nervous system. 2019 , 3, 1-34	1
730	ALS blood expression profiling identifies new biomarkers, patient subgroups, and evidence for neutrophilia and hypoxia. 2019 , 17, 170	19
729	A novel myeloid cell in murine spleen defined through gene profiling. 2019 , 23, 5128-5143	3
728	Lung Tissue Delivery of Virus-Like Particles Mediated by Macrolide Antibiotics. 2019 , 16, 2947-2955	10
727	A juxtacrine/paracrine loop between C-Kit and stem cell factor promotes cancer stem cell survival in epithelial ovarian cancer. 2019 , 10, 412	23
726	Tumor-associated macrophages: role in cancer development and therapeutic implications. 2019 , 42, 591-608	79
725	BAL Cell Gene Expression in Severe Asthma Reveals Mechanisms of Severe Disease and Influences of Medications. 2019 , 200, 837-856	20
724	Tumor-associated reactive astrocytes aid the evolution of immunosuppressive environment in glioblastoma. 2019 , 10, 2541	105
723	-Excreted/Secreted Products Induce a Defined MicroRNA Profile that Modulates Inflammatory Properties of Macrophages. 2019 , 2019, 2946713	3
722	Role of Myeloid-Epithelial-Reproductive Tyrosine Kinase and Macrophage Polarization in the Progression of Atherosclerotic Lesions Associated With Nonalcoholic Fatty Liver Disease. 2019 , 10, 604	10
721	MicroRNAs as Molecular Switches in Macrophage Activation. 2019 , 10, 799	74
720	Role of Macrophages in Cardioprotection. 2019 , 20,	27
719	Distinct release strategies are required to modulate macrophage phenotype in young versus aged animals. 2019 , 305, 65-74	7
718	Immunomodulatory nanodiamond aggregate-based platform for the treatment of rheumatoid arthritis. 2019 , 6, 163-174	14

717	Controlled release and macrophage polarizing activity of cold-pressed rice bran oil in a niosome system. 2019 , 10, 3272-3281	4
716	Dual faced HMGB1 plays multiple roles in cardiomyocyte senescence and cardiac inflammatory injury. 2019 , 47, 74-82	20
715	Impact of constitutional TET2 haploinsufficiency on molecular and clinical phenotype in humans. 2019 , 10, 1252	40
714	Immunometabolism: A new target for improving cancer immunotherapy. 2019 , 143, 195-253	15
713	Curcumin and Intestinal Inflammatory Diseases: Molecular Mechanisms of Protection. 2019 , 20,	59
712	Localized Osteoarthritis Disease-Modifying Changes due to Intra-articular Injection of Micronized Dehydrated Human Amnion/Chorion Membrane. 2019 , 5, 210-219	4
711	Lipopolysaccharide inhalation recruits monocytes and dendritic cell subsets to the alveolar airspace. 2019 , 10, 1999	25
710	Metabolic programming of macrophage functions and pathogens control. 2019 , 24, 101198	47
709	Low-intensity muscle contraction exercise following the onset of arthritis improves hyperalgesia via reduction of joint inflammation and central sensitization in the spinal cord in a rat model. 2019 , 706, 18-23	7
708	Differences in monocyte: lymphocyte ratio and Tuberculosis disease progression in genetically distinct populations of macaques. 2019 , 9, 3340	9
707	Metabolic reprogramming of macrophages during infections and cancer. 2019 , 452, 14-22	47
706	Effect of Propofol on the Production of Inflammatory Cytokines by Human Polarized Macrophages. 2019 , 2019, 1919538	18
705	Human Tumor-Associated Macrophage and Monocyte Transcriptional Landscapes Reveal Cancer-Specific Reprogramming, Biomarkers, and Therapeutic Targets. 2019 , 35, 588-602.e10	329
704	Traumatic Spinal Cord Injury: An Overview of Pathophysiology, Models and Acute Injury Mechanisms. 2019 , 10, 282	286
703	MST1R kinase accelerates pancreatic cancer progression via effects on both epithelial cells and macrophages. 2019 , 38, 5599-5611	22
702	The regulatory actions of retinoic acid on M2 polarization of porcine macrophages. 2019 , 98, 20-33	15
701	Impaired cellular energy metabolism in cord blood macrophages contributes to abortive response toward inflammatory threats. 2019 , 10, 1685	28
700	Adipose Tissue in Persons With HIV Is Enriched for CD4 T Effector Memory and T Effector Memory RA Cells, Which Show Higher CD69 Expression and CD57, CX3CR1, GPR56 Co-expression With Increasing Glucose Intolerance. 2019 , 10, 408	14

699	Heparan sulfate in chronic kidney diseases: Exploring the role of 3-O-sulfation. 2019 , 1863, 839-848	4
698	Docosahexaenoic acid enhances M2 macrophage polarization via the p38 signaling pathway and autophagy. 2019 , 120, 12604-12617	27
697	Human macrophages survive and adopt activated genotypes in living zebrafish. 2019 , 9, 1759	10
696	Monocyte heterogeneity and functions in cancer. 2019 , 106, 309-322	153
695	Research on the effect and mechanism of antimicrobial peptides HPRP-A1/A2 work against <i>Toxoplasma gondii</i> infection. 2019 , 41, e12619	4
694	Shooting three inflammatory targets with a single bullet: Novel multi-targeting anti-inflammatory glitazones. 2019 , 167, 562-582	20
693	RPTP β promotes M2-polarized macrophage migration through ROCK2 signaling and podosome formation. 2020 , 133,	2
692	Cyclophosphamide Enhances Cancer Antibody Immunotherapy in the Resistant Bone Marrow Niche by Modulating Macrophage Fc γ R Expression. 2019 , 7, 1876-1890	9
691	Improved cell composition deconvolution method of bulk gene expression profiles to quantify subsets of immune cells. 2019 , 12, 169	5
690	Retinol Saturase Knock-Out Mice are Characterized by Impaired Clearance of Apoptotic Cells and Develop Mild Autoimmunity. 2019 , 9,	2
689	Pharmacological Targeting of Microglial Activation: New Therapeutic Approach. 2019 , 13, 514	56
688	Monocytes and macrophages in atherogenesis. 2019 , 30, 401-408	11
687	Meta-Analysis of γ -Differentiated Macrophages Identifies Transcriptomic Signatures That Classify Disease Macrophages. 2019 , 10, 2887	14
686	Distinct Redox Signalling following Macrophage Activation Influences Profibrotic Activity. 2019 , 2019, 1278301	4
685	Identification of TNFR2 and IL-33 as therapeutic targets in localized fibrosis. 2019 , 5, eaay0370	12
684	Association of macrophage and lymphocyte infiltration with outcome in canine osteosarcoma. 2019 , 17, 49-60	23
683	A Quantitative Approach to SIV Functional Latency in Brain Macrophages. 2019 , 14, 23-32	11
682	L-DOPA functionalized, multi-branched gold nanoparticles as brain-targeted nano-vehicles. 2019 , 15, 1-11	40

681	Effect of Polarization and Chronic Inflammation on Macrophage Expression of Heparan Sulfate Proteoglycans and Biosynthesis Enzymes. 2019 , 67, 9-27	7
680	Transcriptome profile of rat genes in bone marrow-derived macrophages at different activation statuses by RNA-sequencing. 2019 , 111, 986-996	5
679	M2b macrophage polarization and its roles in diseases. 2019 , 106, 345-358	204
678	High frequency of macrophages expressing elevated level of CD80, PD-Ls and TLR1 in nasal polyps of CRS patients. 2019 , 224, 154-162	2
677	IGF1 Treatment Improves Cardiac Remodeling after Infarction by Targeting Myeloid Cells. 2019 , 27, 46-58	14
676	Gpr137b is an orphan G-protein-coupled receptor associated with M2 macrophage polarization. 2019 , 509, 657-663	2
675	New insights into immune cells cross-talk during IgG4-related disease. 2019 , 198, 1-10	8
674	Progress in Tumor-Associated Macrophages: From Bench to Bedside. 2019 , 3, e1800232	7
673	Dynamic role of the codon 72 p53 single-nucleotide polymorphism in mammary tumorigenesis in a humanized mouse model. 2019 , 38, 3535-3550	9
672	Effects of inflammatory cytokines on bone/cartilage repair. 2018 , 120, 6841	6
671	Bone Marrow-Derived Macrophages Enhance Vessel Stability in Modular Engineered Tissues. 2019 , 25, 911-923	5
670	Humoral factors secreted from adipose tissue-derived mesenchymal stem cells ameliorate atherosclerosis in Ldlr ^{-/-} mice. 2019 , 115, 1041-1051	24
669	Low proliferative potential of adipose-derived stromal cells associates with hypertrophy and inflammation in subcutaneous and omental adipose tissue of patients with type 2 diabetes mellitus. 2019 , 33, 148-159	10
668	Atherosclerosis and immunity: A perspective. 2019 , 29, 363-371	63
667	HER2 signaling regulates the tumor immune microenvironment and trastuzumab efficacy. 2019 , 8, e1512942	25
666	The interplay between cytokines and the Kynurenine pathway in inflammation and atherosclerosis. 2019 , 122, 154148	54
665	Beyond bystanders: Myeloid cells in chronic lymphocytic leukemia. 2019 , 110, 77-87	15
664	Nasal Pneumococcal Density Is Associated with Microaspiration and Heightened Human Alveolar Macrophage Responsiveness to Bacterial Pathogens. 2020 , 201, 335-347	11

663	Short-Term Administration of a High-Fat Diet Impairs Wound Repair in Mice. 2020 , 55, 23-33	0
662	JAK1/2 pathway inhibition suppresses M2 polarization and overcomes resistance of myeloma to lenalidomide by reducing TRIB1, MUC1, CD44, CXCL12, and CXCR4 expression. 2020 , 188, 283-294	20
661	Interleukin 4: Its Role in Hypertension, Atherosclerosis, Valvular, and Nonvalvular Cardiovascular Diseases. 2020 , 25, 7-14	2
660	Time-dependent improvement of liver inflammation, fibrosis and metabolic liver function after successful direct-acting antiviral therapy of chronic hepatitis C. 2020 , 27, 28-35	25
659	Inflammation-induced behavioral changes is driven by alterations in Nrf2-dependent apoptosis and autophagy in mouse hippocampus: Role of fluoxetine. 2020 , 68, 109521	18
658	Treatment with the antipsychotic risperidone is associated with increased M1-like JAK-STAT1 signature gene expression in PBMCs from participants with psychosis and THP-1 monocytes and macrophages. 2020 , 79, 106093	4
657	Healing power: The mammalian macrophage in skeletal regeneration, scar formation, and regenerative medicine. 2020 , 7, 100026	1
656	Macrophages in Atherosclerosis Regression. 2020 , 40, 20-33	127
655	The expression profile of redox genes in human monocytes exposed in vitro to γ radiation. 2020 , 170, 108634	2
654	SIRT1/2 orchestrate acquisition of DNA methylation and loss of histone H3 activating marks to prevent premature activation of inflammatory genes in macrophages. 2020 , 48, 665-681	23
653	The pathogenesis of systemic lupus erythematosus: Harnessing big data to understand the molecular basis of lupus. 2020 , 110, 102359	50
652	Preoperative β -Blockade with Propranolol Reduces Biomarkers of Metastasis in Breast Cancer: A Phase II Randomized Trial. 2020 , 26, 1803-1811	52
651	Immune Response and Tissue Damage. 2020 , 155-203	2
650	Who's in charge here? Macrophage colony stimulating factor and granulocyte macrophage colony stimulating factor: Competing factors in macrophage polarization. 2020 , 127, 154939	18
649	Fibronectin in Cancer: Friend or Foe. 2019 , 9,	48
648	Molecular Imaging of Apoptosis in Atherosclerosis by Targeting Cell Membrane Phospholipid Asymmetry. 2020 , 76, 1862-1874	5
647	TGFBI modulates tumour hypoxia and promotes breast cancer metastasis. 2020 , 14, 3198-3210	17
646	Microglia and Macrophages in the Pathological Central and Peripheral Nervous Systems. 2020 , 9,	18

645	Abundance of Non-Polarized Lung Macrophages with Poor Phagocytic Function in Chronic Obstructive Pulmonary Disease (COPD). 2020 , 8,	3
644	Analysis of gene expression from systemic lupus erythematosus synovium reveals myeloid cell-driven pathogenesis of lupus arthritis. 2020 , 10, 17361	4
643	Disease-Specific Autoantibodies Induce Trained Immunity in RA Synovial Tissues and Its Gene Signature Correlates with the Response to Clinical Therapy. 2020 , 2020, 2109325	2
642	The Immunological Basis of Liver Allograft Rejection. 2020 , 11, 2155	23
641	Lipid Metabolism in Regulation of Macrophage Functions. 2020 , 30, 979-989	39
640	"Re-educating" Tumor Associated Macrophages as a Novel Immunotherapy Strategy for Neuroblastoma. 2020 , 11, 1947	15
639	Tumor-promoting macrophages prevail in malignant ascites of advanced gastric cancer. 2020 , 52, 1976-1988	6
638	The transition of M-CSF-derived human macrophages to a growth-promoting phenotype. 2020 , 4, 5460-5472	2
637	Integrated Skin Transcriptomics and Serum Multiplex Assays Reveal Novel Mechanisms of Wound Healing in Diabetic Foot Ulcers. 2020 , 69, 2157-2169	14
636	Characterisation of endogenous Galectin-1 and -9 expression in monocyte and macrophage subsets under resting and inflammatory conditions. 2020 , 130, 110595	4
635	Transcriptome sequencing supports a conservation of macrophage polarization in fish. 2020 , 10, 13470	16
634	Aging-associated decrease in the histone acetyltransferase KAT6B is linked to altered hematopoietic stem cell differentiation. 2020 , 82, 43-52.e4	13
633	Monocyte-derived APCs are central to the response of PD1 checkpoint blockade and provide a therapeutic target for combination therapy. 2020 , 8,	13
632	Connecting Immune Cell Infiltration to the Multitasking Microglia Response and TNF Receptor 2 Induction in the Multiple Sclerosis Brain. 2020 , 14, 190	2
631	Trojan horse monocyte-mediated delivery of conjugated polymer nanoparticles for improved photodynamic therapy of glioblastoma. 2020 , 15, 1687-1707	20
630	Immune Landscape of Pituitary Tumors Reveals Association Between Macrophages and Gonadotroph Tumor Invasion. 2020 , 105,	10
629	Reciprocal interference between the NRF2 and LPS signaling pathways on the immune-metabolic phenotype of peritoneal macrophages. 2020 , 8, e00638	4
628	How Reciprocal Interactions Between the Tumor Microenvironment and Ion Transport Proteins Drive Cancer Progression. 2020 , 1	4

627	Potential for Targeting Myeloid Cells in Controlling CNS Inflammation. 2020 , 11, 571897	5
626	Efferocytic Defects in Early Atherosclerosis Are Driven by GATA2 Overexpression in Macrophages. 2020 , 11, 594136	8
625	Macrophage Regulation of Granulopoiesis and Neutrophil Functions. 2021 , 35, 182-191	3
624	Potential Biomarkers in Systemic Sclerosis: A Literature Review and Update. 2020 , 9,	4
623	CCL18 in the Progression of Cancer. 2020 , 21,	19
622	Distinct subsets of T cells and macrophages impact venous remodeling during arteriovenous fistula maturation. 2020 , 1, 207-218	6
621	HDAC3 Mediates the Inflammatory Response and LPS Tolerance in Human Monocytes and Macrophages. 2020 , 11, 550769	16
620	Autotaxin stimulates LPA2 receptor in macrophages and exacerbates dextran sulfate sodium-induced acute colitis. 2020 , 98, 1781-1794	2
619	Lamin A/C and the Immune System: One Intermediate Filament, Many Faces. 2020 , 21,	5
618	miRNA profiling of primate cervicovaginal lavage and extracellular vesicles reveals miR-186-5p as a potential antiretroviral factor in macrophages. 2020 , 10, 2021-2039	1
617	Oral Pathogen Can Escape Phagocytosis of Mammalian Macrophages. 2020 , 8,	1
616	Antisense Oligonucleotide Remodels the Suppressive Tumor Microenvironment to Enhance Immune Activation in Combination with Anti-PD-L1. 2020 , 26, 6335-6349	12
615	Atherosclerotic Plaque Healing. 2020 , 383, 846-857	84
614	Host-Directed Therapy in Tuberculosis: Targeting Host Metabolism. 2020 , 11, 1790	5
613	Multiple Sclerosis as a Syndrome-Implications for Future Management. 2020 , 11, 784	1
612	Reduced allergic lung inflammation and airway responsiveness in mice lacking the cytoskeletal protein gelsolin. 2020 ,	1
611	Transcriptomics uncovers substantial variability associated with alterations in manufacturing processes of macrophage cell therapy products. 2020 , 10, 14049	2
610	Associations between dietary patterns and gene expression pattern in peripheral blood mononuclear cells: A cross-sectional study. 2020 , 30, 2111-2122	4

609	Macrophage Activation in the Synovium of Healthy and Osteoarthritic Equine Joints. 2020 , 7, 568756	10
608	Identification of Immune-Related Genes and in Relation to Macrophage and Type-2 T-Helper Cells in Osteosarcoma Tumor Micro-Environments as Anti-metastasis Signatures. 2020 , 7, 576298	4
607	Resident cardiac macrophages: crucial modulators of cardiac (patho)physiology. 2020 , 115, 77	9
606	Temporal and spatial heterogeneity of host response to SARS-CoV-2 pulmonary infection. 2020 , 11, 6319	84
605	Prognostic Value of a Ten-Gene Signature in HNSCC Patients Based on Tumor-Associated Macrophages Expression Profiling. 2020 , 10, 569002	2
604	Cortisol Metabolism in Carp Macrophages: A Role for Macrophage-Derived Cortisol in M1/M2 Polarization. 2020 , 21,	3
603	Insights on TAM Formation from a Boolean Model of Macrophage Polarization Based on In Vitro Studies. 2020 , 12,	4
602	Extracellular miR-574-5p Induces Osteoclast Differentiation via TLR 7/8 in Rheumatoid Arthritis. 2020 , 11, 585282	16
601	The role of glia in Parkinson's disease: Emerging concepts and therapeutic applications. 2020 , 252, 131-168	10
600	Trophoblast-secreted soluble-PD-L1 modulates macrophage polarization and function. 2020 , 108, 983-998	18
599	Immune serum-activated human macrophages coordinate with eosinophils to immobilize <i>Ascaris suum</i> larvae. 2020 , 42, e12728	5
598	The tumour microenvironment shapes dendritic cell plasticity in a human organotypic melanoma culture. 2020 , 11, 2749	20
597	Synovial tissue transcriptomes of long-standing rheumatoid arthritis are dominated by activated macrophages that reflect microbial stimulation. 2020 , 10, 7907	11
596	The tumor immune microenvironmental analysis of 2,033 transcriptomes across 7 cancer types. 2020 , 10, 9536	7
595	Macrophage polarisation associated with atherosclerosis differentially affects their capacity to handle lipids. 2020 , 305, 10-18	9
594	A scaffold laden with mesenchymal stem cell-derived exosomes for promoting endometrium regeneration and fertility restoration through macrophage immunomodulation. 2020 , 113, 252-266	38
593	TP53 Status, Patient Sex, and the Immune Response as Determinants of Lung Cancer Patient Survival. 2020 , 12,	12
592	MiR-103 protects from recurrent spontaneous abortion via inhibiting STAT1 mediated M1 macrophage polarization. 2020 , 16, 2248-2264	11

591	An ultralow dose of the NADPH oxidase inhibitor diphenyleneiodonium (DPI) is an economical and effective therapeutic agent for the treatment of colitis-associated colorectal cancer. 2020 , 10, 6743-6757	7
590	Anti-PD-1 Induces M1 Polarization in the Glioma Microenvironment and Exerts Therapeutic Efficacy in the Absence of CD8 Cytotoxic T Cells. 2020 , 26, 4699-4712	23
589	Metabolic heterogeneity and adaptability in brain tumors. 2020 , 77, 5101-5119	14
588	Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. 2020 , 31, 107699	6
587	Nanotopographical Coatings Induce an Early Phenotype-Specific Response of Primary Material-Resident M1 and M2 Macrophages. 2020 , 13,	3
586	High-resolution longitudinal N- and O-glycoprofiling of human monocyte-to-macrophage transition. 2020 , 30, 679-694	11
585	Regulation of Macrophage and Dendritic Cell Function by Chondroitin Sulfate in Innate to Antigen-Specific Adaptive Immunity. 2020 , 11, 232	11
584	Flavonoid Compounds Contained in Inhibit Tumor Progression by Suppressing STAT3 Activation in the Tumor Microenvironment. 2020 , 11, 262	2
583	Macrophages: First guards in the prevention of cardiovascular diseases. 2020 , 250, 117559	13
582	IL-6 produced by prostate epithelial cells stimulated with <i>Trichomonas vaginalis</i> promotes proliferation of prostate cancer cells by inducing M2 polarization of THP-1-derived macrophages. 2020 , 14, e0008126	20
581	Overexpression of Murine in a Colon Syngeneic Mouse Carcinoma Model Leads to Rebalance of Intra-Tumor M1/M2 Macrophage Ratio, Activation of T Cells, Delayed Tumor Growth, and Rejection. 2020 , 12,	7
580	Electrospun Nanofiber Meshes With Endometrial MSCs Modulate Foreign Body Response by Increased Angiogenesis, Matrix Synthesis, and Anti-Inflammatory Gene Expression in Mice: Implication in Pelvic Floor. 2020 , 11, 353	19
579	Versican-A Critical Extracellular Matrix Regulator of Immunity and Inflammation. 2020 , 11, 512	48
578	Mechanism of Xu Li's Experiential Prescription for the Treatment of EGFR-Positive NSCLC. 2020 , 2020, 8787153	2
577	Evaluation of Glycosylated PTGS2 in Colorectal Cancer for NSAIDS-Based Adjuvant Therapy. 2020 , 9,	3
576	Magnolol Attenuates Cisplatin-Induced Muscle Wasting by M2c Macrophage Activation. 2020 , 11, 77	12
575	Endocannabinoid Modulation of Microglial Phenotypes in Neuropathology. 2020 , 11, 87	41
574	Growth Hormone Reprograms Macrophages toward an Anti-Inflammatory and Reparative Profile in an MAFB-Dependent Manner. <i>Journal of Immunology</i> , 2020 , 205, 776-788	5-3 6

573	Allele-specific DNA methylation is increased in cancers and its dense mapping in normal plus neoplastic cells increases the yield of disease-associated regulatory SNPs. 2020 , 21, 153	9
572	The interaction between ferroptosis and lipid metabolism in cancer. 2020 , 5, 108	75
571	The interplay of growth differentiation factor 15 (GDF15) expression and M2 macrophages during prostate carcinogenesis. 2020 , 41, 1074-1082	3
570	COVID-19 severity correlates with airway epithelium-immune cell interactions identified by single-cell analysis. 2020 , 38, 970-979	487
569	Monocyte and CD4+ T-cell antiviral and innate responses associated with HIV-1 inflammation and cognitive impairment. 2020 , 34, 1289-1301	4
568	Versican and Versican-matrikines in Cancer Progression, Inflammation, and Immunity. 2020 , 68, 871-885	15
567	Nitric oxide orchestrates metabolic rewiring in M1 macrophages by targeting aconitase 2 and pyruvate dehydrogenase. 2020 , 11, 698	96
566	Tumor Microenvironments in Organs. 2020 ,	0
565	Standardized protocols for differentiation of THP-1 cells to macrophages with distinct M(IFN β LPS), M(IL-4) and M(IL-10) phenotypes. 2020 , 478, 112721	18
564	TNF- β and INF- γ -primed canine stem cell-derived extracellular vesicles alleviate experimental murine colitis. 2020 , 10, 2115	18
563	Inflamed synovial fluid induces a homeostatic response in bone marrow mononuclear cells in vitro: Implications for joint therapy. 2020 , 34, 4430-4444	7
562	Herpes simplex virus type 1 inflammasome activation in proinflammatory human macrophages is dependent on NLRP3, ASC, and caspase-1. 2020 , 15, e0229570	12
561	The ontogenetic path of human dendritic cells. 2020 , 120, 122-129	19
560	S100A12 Expression Is Modulated During Monocyte Differentiation and Reflects Periodontitis Severity. 2020 , 11, 86	14
559	Correction of arginine metabolism with sepiapterin-the precursor of nitric oxide synthase cofactor BH-induces immunostimulatory-shift of breast cancer. 2020 , 176, 113887	8
558	LncRNA Dnmt3as regulates Dnmt3a expression leading to aberrant DNA methylation in macrophage polarization. 2020 , 34, 5077-5091	14
557	Single-Cell Genomic Characterization Reveals the Cellular Reprogramming of the Gastric Tumor Microenvironment. 2020 , 26, 2640-2653	66
556	Ferroptosis in Cancer Cell Biology. 2020 , 12,	106

555	Macrophages induce malignant traits in mammary epithelium via IKK β /TBK1 kinases and the serine biosynthesis pathway. 2020 , 12, e10491	9
554	Niclosamide suppresses macrophage-induced inflammation in endometriosis 2020 , 102, 1011-1019	10
553	Differential expression of CRAC channel in alloxan induced Diabetic BALB/c mice. 2020 , 42, 48-55	2
552	Glucocorticoids mobilize macrophages by transcriptionally up-regulating the exopeptidase DPP4. 2020 , 295, 3213-3227	13
551	Loss of BAP1 expression is associated with an immunosuppressive microenvironment in uveal melanoma, with implications for immunotherapy development. 2020 , 250, 420-439	50
550	Infection of Monocytes From Tuberculosis Patients With Two Virulent Clinical Isolates of <i>M. tuberculosis</i> Induces Alterations in Myeloid Effector Functions. 2020 , 10, 163	2
549	Inhibiting Monocyte Recruitment to Prevent the Pro-Tumoral Activity of Tumor-Associated Macrophages in Chondrosarcoma. 2020 , 9,	5
548	Breast Adipocyte Co-culture Increases the Expression of Pro-angiogenic Factors in Macrophages. 2020 , 10, 454	6
547	Epigenetic Regulation of Macrophage Marker Expression Profiles in Kawasaki Disease. 2020 , 8, 129	10
546	Computational Approach to Identifying Universal Macrophage Biomarkers. 2020 , 11, 275	5
545	Uric Acid Has Direct Proinflammatory Effects on Human Macrophages by Increasing Proinflammatory Mediators and Bacterial Phagocytosis Probably via URAT1. 2020 , 10,	12
544	Macrophages: The Potent Immunoregulatory Innate Immune Cells. 2020 ,	19
543	Prognostic value of a nine-gene signature in glioma patients based on tumor-associated macrophages expression profiling. 2020 , 216, 108430	7
542	Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor Deficiency Promotes the Ductular Reaction, Macrophage Accumulation, and Hepatic Fibrosis in the <i>Abcb4</i> Mouse. 2020 , 190, 1284-1297 ⁵	5
541	M1-like macrophages are potent producers of anti-viral interferons and M1-associated marker-positive lung macrophages are decreased during rhinovirus-induced asthma exacerbations. 2020 , 54, 102734	22
540	Alternative macrophage polarisation associated with resistance to anti-PD1 blockade is possibly supported by the splicing of FKBP51 immunophilin in melanoma patients. 2020 , 122, 1782-1790	3
539	The Role of Innate Immunity in the Pathogenesis of Breast Cancer. 2021 , 16, 1-5	1
538	Abnormal macrophage polarization impedes the healing of diabetes-associated tooth sockets. 2021 , 143, 115618	5

537	Posterior capsule opacification: What's in the bag?. 2021 , 82, 100905	34
536	Efferocytosis potentiates the expression of arachidonate 15-lipoxygenase (ALOX15) in alternatively activated human macrophages through LXR activation. 2021 , 28, 1301-1316	11
535	Harnessing Single-Cell RNA Sequencing to Better Understand How Diseased Cells Behave the Way They Do in Cardiovascular Disease. 2021 , 41, 585-600	10
534	Preparation of liposomes containing IFN-gamma and their potentials in cancer immunotherapy: In vitro and in vivo studies in a colon cancer mouse model. 2021 , 264, 118605	6
533	Histamine down-regulates the FCER1 β chain expression in human IL-4-activated M2 macrophages. 2021 , 76, 1250-1254	0
532	1p/19q co-deletion status is associated with distinct tumor-associated macrophage infiltration in IDH mutated lower-grade gliomas. 2021 , 44, 193-204	6
531	miR-130b-3p regulates M1 macrophage polarization via targeting IRF1. 2021 , 236, 2008-2022	6
530	Beta-adrenergic blockade blunts inflammatory and antiviral/antibody gene expression responses to acute psychosocial stress. 2021 , 46, 756-762	6
529	Opposing immune and genetic mechanisms shape oncogenic programs in synovial sarcoma. 2021 , 27, 289-300	19
528	Antitumor effects of targeted killing of tumor-associated macrophages under photothermal conditions. 2021 , 1	0
527	Single-cell proteomic and transcriptomic analysis of macrophage heterogeneity using SCoPE2. 2021 , 22, 50	97
526	Potency analysis of cellular therapies: the role of molecular assays. 2021 , 49-70	
525	Bimodal expression of RHOH during myelomonocytic differentiation: Implications for the expansion of AML differentiation therapy. 2021 , 2, 196-210	1
524	Effects of macrophage polarization on gold nanoparticle-assisted plasmonic photothermal therapy.. 2021 , 11, 25047-25056	1
523	Assessing Neurotoxicant-Induced Inflammation in the Central Nervous System: Cytokine mRNA with Immunostaining of Microglia Morphology. 2021 , 277-304	
522	Microarray investigation of glycan remodeling during macrophage polarization reveals α 6 sialic acid as an anti-inflammatory indicator. 2021 , 17, 565-571	0
521	Network Analysis Reveals a Distinct Axis of Macrophage Activation in Response to Conflicting Inflammatory Cues. <i>Journal of Immunology</i> , 2021 , 206, 883-891	5-3 11
520	Selective killing of human M1 macrophages by Smac mimetics alone and M2 macrophages by Smac mimetics and caspase inhibition. 2021 , 110, 693-710	2

519	Single-cell profiling of the human decidual immune microenvironment in patients with recurrent pregnancy loss. 2021 , 7, 1	43
518	A New E-Series Resolvin: RvE4 Stereochemistry and Function in Efferocytosis of Inflammation-Resolution. 2020 , 11, 631319	9
517	A Novel Ferroptosis-Related Gene Signature Predicts Overall Survival of Breast Cancer Patients. 2021 , 10,	7
516	Functional regulation of decidual macrophages during pregnancy. 2021 , 143, 103264	14
515	Development of an immune-related gene pairs signature for predicting clinical outcome in lung adenocarcinoma. 2021 , 11, 3611	4
514	Host-virus interaction and viral evasion. 2021 , 45, 1124-1147	0
513	High-throughput phenotypic screen and transcriptional analysis identify new compounds and targets for macrophage reprogramming. 2021 , 12, 773	10
512	Transcriptome-targeted analysis of human peripheral blood-derived macrophages when cultured on biomaterial meshes. 2021 , 16, 025006	1
511	New Tools for Studying Macrophage Polarization: Application to Bacterial Infections.	3
510	Identification of Key Gene Signatures Associated With Bone Metastasis in Castration-Resistant Prostate Cancer Using Co-Expression Analysis. 2020 , 10, 571524	2
509	Metabolomics Insights of the Immunomodulatory Activities of Phlorizin and Phloretin on Human THP-1 Macrophages. 2021 , 26,	3
508	Warburg Effect Is a Cancer Immune Evasion Mechanism Against Macrophage Immunosurveillance. 2020 , 11, 621757	10
507	E-Cigarettes Promote Macrophage-Tumor Cells Crosstalk: Focus on Breast Carcinoma Progression and Lung Metastasis.. 2021 , 6, 60-66	0
506	The IKZF1-IRF4/IRF5 Axis Controls Polarization of Myeloma-Associated Macrophages. 2021 , 9, 265-278	8
505	Delineating the complex mechanistic interplay between autophagy and monocyte to macrophage differentiation: a functional perspective.	
504	Macrophages and Their Organ Locations Shape Each Other in Development and Homeostasis - A Perspective. 2021 , 9, 630272	3
503	Cross-linked acellular lung for application in tissue engineering: Effects on biocompatibility, mechanical properties and immunological responses. 2021 , 122, 111938	2
502	The role of macrophage in regulating tumour microenvironment and the strategies for reprogramming tumour-associated macrophages in antitumour therapy. 2021 , 100, 151153	4

501	Effect of cabazitaxel on macrophages improves CD47-targeted immunotherapy for triple-negative breast cancer. 2021 , 9,	7
500	An Immune-Related Gene Pairs Signature for Predicting Survival in Glioblastoma. 2021 , 11, 564960	0
499	Ceramides and sphingosine-1-phosphate mediate the distinct effects of M1/M2-macrophage infusion on liver recovery after hepatectomy. 2021 , 12, 324	2
498	Establishment of a Macrophage Phenotypic Switch Related Prognostic Signature in Patients With Pancreatic Cancer. 2021 , 11, 619517	3
497	In vitro skin culture media influence the viability and inflammatory response of primary macrophages. 2021 , 11, 7070	3
496	Shared associations identify causal relationships between gene expression and immune cell phenotypes. 2021 , 4, 279	0
495	Heterogeneity of IFN-Mediated Responses and Tumor Immunogenicity in Patients with Cervical Cancer Receiving Concurrent Chemoradiotherapy. 2021 , 27, 3990-4002	5
494	Comprehensive transcriptomic analysis of COVID-19 blood, lung, and airway. 2021 , 11, 7052	45
493	The continuum of disrupted metabolic tempo, mitochondrial substrate congestion, and metabolic gridlock toward the development of non-communicable diseases. 2021 , 1-17	
492	An glioblastoma microenvironment model dissects the immunological mechanisms of resistance to PD-1 checkpoint blockade immunotherapy. 2021 , 5, 2100197	3
491	Combined Effects of Myeloid Cells in the Neuroblastoma Tumor Microenvironment. 2021 , 13,	3
490	New Insights and Novel Therapeutic Potentials for Macrophages in Myocardial Infarction. 2021 , 44, 1696-1712	9
489	Macrophages with reduced expressions of classical M1 and M2 surface markers in human bronchoalveolar lavage fluid exhibit pro-inflammatory gene signatures. 2021 , 11, 8282	3
488	Novel Therapeutical Approaches to Managing Atherosclerotic Risk. 2021 , 22,	4
487	Comprehensive description of the current breast cancer microenvironment advancements via single-cell analysis. 2021 , 40, 142	4
486	Combining Magnetic Resonance Imaging with Systemic Monocyte Evaluation for the Implementation of GBM Management. 2021 , 22,	2
485	The extracellular matrix as modifier of neuroinflammation and remyelination in multiple sclerosis. 2021 , 144, 1958-1973	19
484	Identification, Validation, and Utilization of Immune Cells in Pancreatic Ductal Adenocarcinoma Based on Marker Genes. 2021 , 12, 649061	2

483	Repression of CTSG, ELANE and PRTN3-mediated histone H3 proteolytic cleavage promotes monocyte-to-macrophage differentiation. 2021 , 22, 711-722	5
482	Arginine-dependent immune responses. 2021 , 78, 5303-5324	13
481	Mechanisms of Macrophage Plasticity in the Tumor Environment: Manipulating Activation State to Improve Outcomes. 2021 , 12, 642285	19
480	Pro-Tumorigenic Macrophage Infiltration in Oral Squamous Cell Carcinoma and Possible Macrophage-Aimed Therapeutic Interventions. 2021 , 11, 675664	3
479	FATP4 inactivation in cultured macrophages attenuates M1- and ER stress-induced cytokine release via a metabolic shift towards triacylglycerides. 2021 , 478, 1861-1877	2
478	Cardiac cell type-specific gene regulatory programs and disease risk association. 2021 , 7,	8
477	IRF1 and IRF2 act as positive regulators in antiviral response of large yellow croaker (<i>Larimichthys crocea</i>) by induction of distinct subgroups of type I IFNs. 2021 , 118, 103996	4
476	Lipid Receptor G2A-Mediated Signal Pathway Plays a Critical Role in Inflammatory Response by Promoting Classical Macrophage Activation. <i>Journal of Immunology</i> , 2021 , 206, 2338-2352	5-3 1
475	Control of Macrophage Inflammation by P2Y Purinergic Receptors. 2021 , 10,	9
474	Cigarette smoke exposure and alveolar macrophages: mechanisms for lung disease. 2021 ,	19
473	Glucocorticoids as Regulators of Macrophage-Mediated Tissue Homeostasis. 2021 , 12, 669891	6
472	Ganoderma lucidum triterpenoids and polysaccharides attenuate atherosclerotic plaque in high-fat diet rabbits. 2021 , 31, 1929-1938	5
471	Non-coding RNAs in cardiac inflammation: key drivers in the pathophysiology of heart failure. 2021 ,	1
470	Macrophage Plasticity and Polarization Are Altered in the Experimental Model of Multiple Sclerosis. 2021 , 11,	2
469	Neddylation Regulates Macrophages and Implications for Cancer Therapy. 2021 , 9, 681186	0
468	PD-1 Affects the Immunosuppressive Function of Group 2 Innate Lymphoid Cells in Human Non-Small Cell Lung Cancer. 2021 , 12, 680055	4
467	IgG4 as a Biomarker in Graves' Orbitopathy. 2021 , 2021, 5590471	2
466	High Fat Diet-Induced CD8 T Cells in Adipose Tissue Mediate Macrophages to Sustain Low-Grade Chronic Inflammation. 2021 , 12, 680944	3

465	Tumor-Associated Macrophages in Pancreatic Ductal Adenocarcinoma: Therapeutic Opportunities and Clinical Challenges. 2021 , 13,	7
464	A rat model to investigate quality of recovery after abdominal surgery. 2021 , 6, e943	1
463	Blocking siglec-10 tumor-associated macrophages improves anti-tumor immunity and enhances immunotherapy for hepatocellular carcinoma. 2021 , 10, 36	7
462	Serum Amyloid A1 Induces Classically Activated Macrophages: A Role for Enhanced Fibril Formation. 2021 , 12, 691155	2
461	The Immune Atlas of Human Deciduas With Unexplained Recurrent Pregnancy Loss. 2021 , 12, 689019	6
460	Radiosensitivity index emerges as a potential biomarker for combined radiotherapy and immunotherapy. 2021 , 6, 40	1
459	Glia-Driven Neuroinflammation and Systemic Inflammation in Alzheimer's Disease. 2021 , 19, 908-924	3
458	Defects in Macrophage Reprogramming in Cancer Therapy: The Negative Impact of PD-L1/PD-1. 2021 , 12, 690869	10
457	Infiltration by CXCL10 Secreting Macrophages Is Associated With Antitumor Immunity and Response to Therapy in Ovarian Cancer Subtypes. 2021 , 12, 690201	6
456	Remodeling tumor microenvironment with nanomedicines. 2021 , 13, e1730	5
455	Macrophage Polarization in Response to Biomaterials for Vascularization. 2021 , 49, 1992-2005	3
454	Current knowledge on the immune microenvironment and emerging immunotherapies in diffuse midline glioma. 2021 , 69, 103453	5
453	Microglial responses to CSF1 overexpression do not promote the expansion of other glial lineages. 2021 , 18, 162	0
452	Effect of stimulation time on the expression of human macrophage polarization markers.	
451	Decellularised Human Umbilical Artery as a Vascular Graft Elicits Minimal Pro-Inflammatory Host Response Ex Vivo and In Vivo. 2021 , 22,	1
450	Contradictory regulation of macrophages on atherosclerosis based on polarization, death and autophagy. 2021 , 276, 118957	8
449	Plasma oxylipin levels may predict Covid-19 patient outcomes. An observational and retrospective study.	
448	Innate Immune Response to Viral Infections at the Maternal-Fetal Interface in Human Pregnancy. 2021 , 8, 674645	4

447	Cellular and Molecular Effects of SARS-CoV-2 Linking Lung Infection to the Brain. 2021 , 12, 730088	1
446	CEBPD Potentiates the Macrophage Inflammatory Response but CEBPD Knock-Out Macrophages Fail to Identify CEBPD-Dependent Pro-Inflammatory Transcriptional Programs. 2021 , 10,	0
445	M2 Macrophage-Based Prognostic Nomogram for Gastric Cancer After Surgical Resection. 2021 , 11, 690037	1
444	Transcriptome Profiling of Atlantic Salmon Adherent Head Kidney Leukocytes Reveals That Macrophages Are Selectively Enriched During Culture. 2021 , 12, 709910	2
443	Mannose-rich Oligosaccharides-functionalized selenium nanoparticles mediates Macrophage reprogramming and inflammation resolution in ulcerative colitis. 2021 , 435, 131715	4
442	Differential expression and regulation of MS4A family members in myeloid cells in physiological and pathological conditions. 2021 ,	2
441	Nature versus Number: Monocytes in Cardiovascular Disease. 2021 , 22,	3
440	Targeting epigenetic modifiers to reprogramme macrophages in non-resolving inflammation-driven atherosclerosis. 2021 , 1,	0
439	Immunoresponsive Tissue-Engineered Oral Mucosal Equivalents Containing Macrophages. 2021 , 27, 462-471	1
438	Anti-inflammatory and M2 macrophage polarization-promoting effect of mesenchymal stem cell-derived exosomes. 2021 , 97, 107823	16
437	Macrophages and fibroblasts underpin skin immune responses. 226-242	1
436	Cross-tissue single-cell landscape of human monocytes and macrophages in health and disease. 2021 , 54, 1883-1900.e5	30
435	Bioinformatics and Immune Infiltration Analyses Reveal the Key Pathway and Immune Cells in the Pathogenesis of Hypertrophic Cardiomyopathy. 2021 , 8, 696321	2
434	Sequential activation of heterogeneous macrophage phenotypes is essential for biomaterials-induced bone regeneration. 2021 , 276, 121038	13
433	Associations of natural variation in the CD163 and other candidate genes on host response of nursery pigs to porcine reproductive and respiratory syndrome virus infection. 2021 , 99,	0
432	The tetraspan MS4A family in homeostasis, immunity, and disease. 2021 , 42, 764-781	5
431	The role of C/EBP homologous protein (CHOP) in regulating macrophage polarization in RAW264.7 cells. 2021 , 65, 531-541	0
430	Chronic E-Cigarette Exposure Alters Human Alveolar Macrophage Morphology and Gene Expression. 2021 ,	3

429	Interplay of Immunometabolism and Epithelial-Mesenchymal Transition in the Tumor Microenvironment. 2021 , 22,	1
428	Secreted Factors by Anaplastic Thyroid Cancer Cells Induce Tumor-Promoting M2-like Macrophage Polarization through a TIM3-Dependent Mechanism. 2021 , 13,	1
427	Selective Induction of Cell Death in Human M1 Macrophages by Smac Mimetics Is Mediated by cIAP-2 and RIPK-1/3 through the Activation of mTORC. <i>Journal of Immunology</i> , 2021 , 207, 2359-2373	5:3 1
426	Potential neurotoxic activity of diverse molecules released by microglia. 2021 , 148, 105117	3
425	Glucocalyxin B inhibits cartilage inflammatory injury in rheumatoid arthritis by regulating M1 polarization of synovial macrophages through NF- κ B pathway. 2021 , 13, 22544-22555	1
424	Metabolic Hormones Modulate Macrophage Inflammatory Responses. 2021 , 13,	1
423	Cortical bone stem cells modify cardiac inflammation after myocardial infarction by inducing a novel macrophage phenotype. 2021 , 321, H684-H701	0
422	Delineating the complex mechanistic interplay between NF- κ B-driven mTOR dependent autophagy and monocyte to macrophage differentiation: A functional perspective. 2021 , 88, 110150	1
421	Macrophages and pathophysiology of bone cancers. 2022 , 205-218	
420	Uncovering the Gene Regulatory Networks Underlying Macrophage Polarization Through Comparative Analysis of Bulk and Single-Cell Data.	0
419	Lipid Metabolism in Tumor-Associated Macrophages. 2021 , 1316, 87-101	5
418	Giant Macrophages: Characteristics and Clinical Relevance. 2021 , 169-184	
417	Cellular Indoctrination: How the Tumor Microenvironment Reeducates Macrophages Towards Nefarious Ends. 2021 ,	
416	Challenging inflammatory process at molecular, cellular and in vivo levels via some new pyrazolyl thiazolones. 2021 , 36, 669-684	2
415	Prune-1 drives polarization of tumor-associated macrophages (TAMs) within the lung metastatic niche in triple-negative breast cancer. 2021 , 24, 101938	4
414	Linking inflammation reactions to cancer: novel targets for therapeutic strategies. 2008 , 610, 112-27	33
413	The Angiogenic Switch: Role of Immune Cells. 2011 , 57-75	1
412	Nutritional immunity: homology modeling of Nramp metal import. 2012 , 946, 335-51	22

411	Monocyte Populations Which Participate in Chronic Lung Inflammation. 2013 , 29-58	2
410	Adaptive Characteristics of Innate Immune Responses in Macrophages. 2014 , 339-348	1
409	Polarized Activation of Macrophages. 2014 , 37-57	2
408	Alternative Activation of Macrophages: Concepts and Prospects. 2014 , 59-76	1
407	Gastric Tumor Microenvironment. 2020 , 1226, 23-35	23
406	Serotonin modulation of macrophage polarization: inflammation and beyond. 2014 , 824, 89-115	35
405	Pathophysiology of Traumatic Spinal Cord Injury. 2017 , 503-528	9
404	Tumor-Associated Macrophages in Cancer Growth and Progression. 2007 , 289-307	1
403	Vitamin D supplementation decreases a unique circulating monocyte cholesterol pool in patients with type 2 diabetes. 2018 , 177, 187-192	14
402	Effect of Electrospun Silk Fibroin-Silk Sericin Films on Macrophage Polarization and Vascularization. 2020 , 6, 3502-3512	9
401	Tumor-associated macrophages in the cutaneous SCC microenvironment are heterogeneously activated. 2011 , 131, 1322-30	73
400	Macrophage development and activation involve coordinated intron retention in key inflammatory regulators. 2020 , 48, 6513-6529	15
399	Human macrophages survive and adopt activated genotypes in living zebrafish.	2
398	A mosaic renal myeloid subtype with T-cell inhibitory and protumoral features is linked to immune escape and survival in clear cell renal cell cancer.	1
397	Human prostate cancer bone metastases have an actionable immunosuppressive microenvironment.	4
396	Cross-talk between the airway epithelium and activated immune cells defines severity in COVID-19.	16
395	Primate-specific response of astrocytes to stroke limits peripheral macrophage infiltration.	2
394	Comprehensive Transcriptomic Analysis of COVID-19 Blood, Lung, and Airway.	6

393	Analysis of Gene Expression from Systemic Lupus Erythematosus Synovium Reveals a Profile of Activated Immune Cells and Inflammatory Pathways.	3
392	Temporal and Spatial Heterogeneity of Host Response to SARS-CoV-2 Pulmonary Infection. 2020,	17
391	Consensus transcriptional states describe human mononuclear phagocyte diversity in the lung across health and disease.	3
390	The cellular genomic diversity, regulatory states and networking of the metastatic colorectal cancer microenvironment.	3
389	Cardiac Cell Type-Specific Gene Regulatory Programs and Disease Risk Association.	1
388	SLAMF7 engagement super-activates macrophages in acute and chronic inflammation.	2
387	Acidity promotes tumor progression by altering macrophage phenotype in prostate cancer.	4
386	Defining tissue- and disease-associated macrophages using a transcriptome-based classification model.	1
385	Single-cell proteomic and transcriptomic analysis of macrophage heterogeneity.	35
384	Aging-Associated Decrease in the Histone Acetyltransferase KAT6B Causes Myeloid-Biased Hematopoietic Stem Cell Differentiation.	1
383	Allele-specific DNA methylation is increased in cancers and its dense mapping in normal plus neoplastic cells increases the yield of disease-associated regulatory SNPs.	1
382	Exploiting cellular delivery of conjugated polymer nanoparticles for improved photodynamic therapy in a 3D glioblastoma model. 2019,	2
381	LILRB3 (ILT5) is a myeloid cell checkpoint that elicits profound immunomodulation. 2020, 5,	10
380	Inflammatory macrophage-associated 3-gene signature predicts subclinical allograft injury and graft survival. 2018, 3,	17
379	Neutrophils contribute to spontaneous resolution of liver inflammation and fibrosis via microRNA-223. 2019, 129, 4091-4109	73
378	Macrophage diversity in renal injury and repair. 2008, 118, 3522-30	550
377	An unrestrained proinflammatory M1 macrophage population induced by iron impairs wound healing in humans and mice. 2011, 121, 985-97	677
376	The homeobox transcription factor VentX controls human macrophage terminal differentiation and proinflammatory activation. 2011, 121, 2599-613	19

375	Nanoparticle clearance is governed by Th1/Th2 immunity and strain background. 2013 , 123, 3061-73	152
374	Macrophages mediate cardioprotective cellular postconditioning in acute myocardial infarction. 2015 , 125, 3147-62	149
373	Blocking immunoinhibitory receptor LILRB2 reprograms tumor-associated myeloid cells and promotes antitumor immunity. 2018 , 128, 5647-5662	66
372	A comparison of curated gene sets versus transcriptomics-derived gene signatures for detecting pathway activation in immune cells. 2020 , 21, 28	2
371	Underlying Genes Involved in Atherosclerotic Macrophages: Insights from Microarray Data Mining. 2019 , 25, 9949-9962	7
370	M3 Macrophages Stop Division of Tumor Cells In Vitro and Extend Survival of Mice with Ehrlich Ascites Carcinoma. 2017 , 23, 8-19	9
369	Species dependent impact of helminth-derived antigens on human macrophages infected with Mycobacterium tuberculosis: Direct effect on the innate anti-mycobacterial response. 2017 , 11, e0005390	17
368	Regulation of inflammatory gene expression in PBMCs by immunostimulatory botanicals. 2010 , 5, e12561	26
367	Differentiation of the endometrial macrophage during pregnancy in the cow. 2010 , 5, e13213	48
366	Mannose receptor (MR) engagement by mesothelin GPI anchor polarizes tumor-associated macrophages and is blocked by anti-MR human recombinant antibody. 2011 , 6, e28386	23
365	Influenza virus A infection of human monocyte and macrophage subpopulations reveals increased susceptibility associated with cell differentiation. 2012 , 7, e29443	59
364	An abundant tissue macrophage population in the adult murine heart with a distinct alternatively-activated macrophage profile. 2012 , 7, e36814	201
363	Classical macrophage activation up-regulates several matrix metalloproteinases through mitogen activated protein kinases and nuclear factor- κ B. 2012 , 7, e42507	117
362	Cigarette smoking decreases global microRNA expression in human alveolar macrophages. 2012 , 7, e44066	87
361	In vivo inhibition of c-MYC in myeloid cells impairs tumor-associated macrophage maturation and pro-tumoral activities. 2012 , 7, e45399	39
360	Vitamin D deficiency induces high blood pressure and accelerates atherosclerosis in mice. 2013 , 8, e54625	87
359	Iron is a sensitive biomarker for inflammation in multiple sclerosis lesions. 2013 , 8, e57573	136
358	Intracellular survival and persistence of Chlamydia muridarum is determined by macrophage polarization. 2013 , 8, e69421	29

357	Cytokine induced phenotypic and epigenetic signatures are key to establishing specific macrophage phenotypes. 2013 , 8, e78045	120
356	Activation of olfactory receptors on mouse pulmonary macrophages promotes monocyte chemotactic protein-1 production. 2013 , 8, e80148	27
355	The development of nasal polyp disease involves early nasal mucosal inflammation and remodelling. 2013 , 8, e82373	81
354	Btk regulates macrophage polarization in response to lipopolysaccharide. 2014 , 9, e85834	79
353	Macrophage colony-stimulating factor augments Tie2-expressing monocyte differentiation, angiogenic function, and recruitment in a mouse model of breast cancer. 2014 , 9, e98623	62
352	Exposure to diesel exhaust particle extracts (DEPe) impairs some polarization markers and functions of human macrophages through activation of AhR and Nrf2. 2015 , 10, e0116560	30
351	Consistent inhibition of cyclooxygenase drives macrophages towards the inflammatory phenotype. 2015 , 10, e0118203	16
350	Galectin-2 induces a proinflammatory, anti-arteriogenic phenotype in monocytes and macrophages. 2015 , 10, e0124347	34
349	Foam Cell Formation In Vivo Converts Macrophages to a Pro-Fibrotic Phenotype. 2015 , 10, e0128163	31
348	An Allergic Lung Microenvironment Suppresses Carbon Nanotube-Induced Inflammasome Activation via STAT6-Dependent Inhibition of Caspase-1. 2015 , 10, e0128888	29
347	CD73 Activity is Dispensable for the Polarization of M2 Macrophages. 2015 , 10, e0134721	20
346	A Higher Frequency of CD14+ CD169+ Monocytes/Macrophages in Patients with Colorectal Cancer. 2015 , 10, e0141817	21
345	Therapeutic Benefits of Induced Pluripotent Stem Cells in Monocrotaline-Induced Pulmonary Arterial Hypertension. 2016 , 11, e0142476	17
344	Plaque Size Is Decreased but M1 Macrophage Polarization and Rupture Related Metalloproteinase Expression Are Maintained after Deleting T-Bet in ApoE Null Mice. 2016 , 11, e0148873	5
343	CXCL4 and CXCL4L1 Differentially Affect Monocyte Survival and Dendritic Cell Differentiation and Phagocytosis. 2016 , 11, e0166006	20
342	Interleukin-6 stimulates Akt and p38 MAPK phosphorylation and fibroblast migration in non-diabetic but not diabetic mice. 2017 , 12, e0178232	33
341	Mycobacteria induce TPL-2 mediated IL-10 in IL-4-generated alternatively activated macrophages. 2017 , 12, e0179701	6
340	Morphologic, phenotypic, and transcriptomic characterization of classically and alternatively activated canine blood-derived macrophages in vitro. 2017 , 12, e0183572	28

339	The macrophage marker translocator protein (TSPO) is down-regulated on pro-inflammatory 'M1' human macrophages. 2017 , 12, e0185767	41
338	VEGF may contribute to macrophage recruitment and M2 polarization in the decidua. 2018 , 13, e0191040	86
337	The mannose receptor mediates dengue virus infection of macrophages. 2008 , 4, e17	300
336	Monoamine oxidase A (MAO-A): a signature marker of alternatively activated monocytes/macrophages. 2014 , 1,	10
335	Glycation of macrophages induces expression of pro-inflammatory cytokines and reduces phagocytic efficiency. 2019 , 11, 5258-5275	12
334	Tumor-associated macrophage polarization promotes the progression of esophageal carcinoma. 2020 , 13, 2049-2072	9
333	TAM receptors Tyro3 and Mer as novel targets in colorectal cancer. 2016 , 7, 56355-56370	21
332	Monocyte-derived factors including PLA2G7 induced by macrophage-nasopharyngeal carcinoma cell interaction promote tumor cell invasiveness. 2016 , 7, 55473-55490	15
331	Promising landscape for regulating macrophage polarization: epigenetic viewpoint. 2017 , 8, 57693-57706	36
330	Glucocorticoid-induced leucine zipper (GILZ) in immuno suppression: master regulator or bystander?. 2015 , 6, 38446-57	21
329	Diverse in vivo effects of soluble and membrane-bound M-CSF on tumor-associated macrophages in lymphoma xenograft model. 2016 , 7, 1354-66	10
328	Macrophages in bacterial lung diseases: phenotype and functions (review). 2019 , 18, 142-154	1
327	Atherosclerosis as autoimmune disease. 2018 , 6, 116	27
326	Double-crosser of the Immune System: Macrophages in Tumor Progression and Metastasis. 2019 , 15, 172-184	32
325	Novel Insights in the Metabolic Syndrome-induced Oxidative Stress and Inflammation-mediated Atherosclerosis. 2018 , 14, 4-14	41
324	Immunohistochemical Identification of Human Skeletal Muscle Macrophages. 2018 , 8,	31
323	Macrophage-Bacteria Interactions-A Lipid-Centric Relationship. 2017 , 8, 1836	30
322	TIME Is a Great Healer-Targeting Myeloid Cells in the Tumor Immune Microenvironment to Improve Triple-Negative Breast Cancer Outcomes. 2020 , 10,	4

321	Prognostic value of innate and adaptive immunity in colorectal cancer. 2013 , 19, 174-84	46
320	Mesenchymal stem cells and the neuronal microenvironment in the area of spinal cord injury. 2019 , 14, 227-237	40
319	Transcriptional profiles of peripheral blood leukocytes identify patients with cholangiocarcinoma and predict outcome. 2014 , 15, 4217-24	6
318	Identification of polarized macrophage subsets in zebrafish. 2015 , 4, e07288	144
317	IRF2BP2 3'UTR Polymorphism Increases Coronary Artery Calcification in Men. 2021 , 8, 687645	0
316	Human prostate cancer bone metastases have an actionable immunosuppressive microenvironment. 2021 , 39, 1464-1478.e8	12
315	The Gene Signature of Activated M-CSF-Primed Human Monocyte-Derived Macrophages Is IL-10-Dependent. 2021 , 1-14	0
314	Single-cell RNA sequencing reveals distinct tumor microenvironmental patterns in lung adenocarcinoma. 2021 ,	7
313	Head and neck tumor cells treated with hypofractionated irradiation die via apoptosis and are better taken up by M1-like macrophages. 2021 , 1	1
312	Classical Dichotomy of Macrophages and Alternative Activation Models Proposed with Technological Progress. 2021 , 2021, 9910596	0
311	Essential role of M1 macrophages in blocking cytokine storm and pathology associated with murine HSV-1 infection. 2021 , 17, e1009999	4
310	Genomic and transcriptomic correlates of immunotherapy response within the tumor microenvironment of leptomeningeal metastases. 2021 , 12, 5955	4
309	Role of Tumor-Associated Macrophages (TAM) in Cancer Related Inflammation. 77-98	
308	Polyinosinic acid blocks adeno-associated virus macrophage endocytosis in vitro and enhances adeno-associated virus liver directed gene therapy in vivo. 130815223935004	
307	Alcohol and the Alveolar Macrophage. 2014 , 63-81	
306	Evolutionary Divergence in Human Versus Mouse Innate Immune Gene Regulation and Function. 2014 , 115-155	
305	Tumor-Associated Macrophages. 2014 , 425-443	
304	Macrophages: Microbial Recognition and Response. 27-50	

303 Chemokines and Phagocyte Trafficking. 93-106

302 The Functional Heterogeneity of Activated Macrophages. 325-340

301 Tumor-Associated Macrophages in Tumor Progression: From Bench to Bedside. **2015**, 99-111

300 The Importance and Implementation of Technology for Diploma Accounting Students at the University of Johannesburg. **2015**, 223-233

299 Kupffer cells. 61-72

o

298 Potential Pathways in the Pathogenesis of IgG4-Related Disease. **2016**, 43-54

297 Microglia: Features of Polarization and Aging. **2016**, 47-66

296 Module analysis captures pancancer genetically and epigenetically deregulated cancer driver genes for smoking and antiviral response.

o

295 Zika virus infection preferentially counterbalances human peripheral monocyte and/or NK-cell activity.

o

294 Tumor-Induced Cholesterol Efflux from Macrophages Drives IL-4 Mediated Reprogramming and Tumor Progression.

o

293 Immunologie der fetomaternalen Grenze. **2018**, 29-41

292 LncRNA Dnmt3aos regulates Dnmt3a expression leading to aberrant DNA methylation in macrophage polarization.

291 Gene Therapy and Immunosenescence. **2019**, 2795-2820

o

290 The tumour microenvironment shapes dendritic cell plasticity in a human organotypic melanoma culture.

289 Analysis of macrophage transcriptome in atherogenesis. **2019**, 92-98

288 GATA2 Expression by Intima-Infiltrating Macrophages Drives Early Atheroma Formation.

287 A thorny pathway of macrophage activating factor (GcMAF): from bench to bedside. **2019**, 23, 624-631

2

286 Prevention of Gut Barrier Dysfunction During Acute Massive Blood Loss (Experimental Study). **2019**, 15, 76-87

- 285 Single cell genomic characterization reveals the cellular reprogramming of the gastric tumor microenvironment. 1
- 284 Herpes Simplex Virus type 1 Inflammasome Activation in Human Macrophages is Dependent on NLRP3, ASC, and Caspase-1.
- 283 Computational approach to identifying universal macrophage biomarker.
- 282 M1 and M2 Macrophages Polarization via mTORC1 Influences Innate Immunity and Outcome of Infection. **2020**, 2, 108-115 0
- 281 LILRB3 (ILT5) is a myeloid checkpoint on myeloid cells that elicits profound immunomodulation.
- 280 Oxylipin metabolism is controlled by mitochondrial β -oxidation during bacterial inflammation. 0
- 279 The J2-Immortalized Murine Macrophage Cell Line Displays Phenotypical and Metabolic Features of Primary BMDMs in Their M1 and M2 Polarization State. **2021**, 13, 0
- 278 ACLY Nuclear Translocation in Human Macrophages Drives Proinflammatory Gene Expression by NF- κ B Acetylation. **2021**, 10, 6
- 277 The mitochondrial gene CMPK2 functions as a rheostat for macrophage homeostasis in inflammation.
- 276 Single-cell RNA sequencing reveals distinct tumor microenvironmental patterns in lung adenocarcinoma.
- 275 Dynamic Role of Macrophage Sub Types for Development of Atherosclerosis and Potential Use of Herbal Immunomodulators as Imminent Therapeutic Strategy. **2020**, 2
- 274 Associations between dietary patterns and gene expression pattern in peripheral blood mononuclear cells: a cross-sectional study.
- 273 Role of Nrf2 in Oxidative and Inflammatory Processes in Obesity and Metabolic Diseases. **2020**, 153-187 0
- 272 GASTROESOPHAGEAL REFLUX DISEASE AND BRONCHIAL ASTHMA: MECHANISMS OF COMORBID FORMATION AND COURSE.. **2020**, 2, 3-7
- 271 Global characterization of macrophage polarization mechanisms and identification of M2-type polarization inhibitors. **2021**, 37, 109955 4
- 270 The Key Role of Macrophages and Monocytes in Spinal Cord Injury: Development of Novel Therapeutic Approaches. **2020**, 8, 90-102
- 269 Toll-like receptor signaling induces a temporal switch towards a resolving lipid profile in monocyte-derived macrophages. **2020**, 1865, 158740 2
- 268 Global transcriptional analysis for biomarker discovery and validation in cellular therapies. **2009**, 13, 181-93 2

267	Decidual macrophages and their roles at the maternal-fetal interface. 2012 , 85, 105-18	57
266	Interleukin-4 Expressed By Neoplastic Cells Provokes an Anti-Metastatic Myeloid Immune Response. 2015 , 6, 1-9	14
265	Cell Specific Matrix Metalloproteinase-1 Regulates Lung Metastasis Synergistically with Smoke Exposure. 2018 , 1,	3
264	Male Macrophages and Fibroblasts from C57/BL6J Mice Are More Susceptible to Inflammatory Stimuli. 2021 , 12, 758767	1
263	Monocytes secrete CXCL7 to promote breast cancer progression. 2021 , 12, 1090	3
262	NogoA-expressing astrocytes limit peripheral macrophage infiltration after ischemic brain injury in primates. 2021 , 12, 6906	0
261	Cellular and transcriptional diversity over the course of human lactation.	1
260	The allergy mediator histamine confers resistance to immunotherapy in cancer patients via activation of the macrophage histamine receptor H1. 2021 ,	15
259	Mad2 Induced Aneuploidy Contributes to Driven Lung Cancer by Generating an Immunosuppressive Environment. 2021 , 13,	0
258	Metabolite transporters as regulators of macrophage polarization. 2021 , 1	0
257	Inflammatory molecular endotypes of nasal polyps derived from Caucasian and Japanese populations. 2021 ,	5
256	Non-Invasive classification of macrophage polarisation by 2P-FLIM and machine learning.	
255	Chemokine Promotes Phagocytosis Through Its Receptor CCR8 Rather than PITPNM3 in Human Microglial Cells.. 2022 , 42, 19-28	0
254	Oxylipin metabolism is controlled by mitochondrial oxidation during bacterial inflammation.. 2022 , 13, 139	3
253	Quantitative Proteomics of Polarised Macrophages Derived from Induced Pluripotent Stem Cells.. 2022 , 10,	1
252	The Activated Macrophage - A Tough Fortress for Virus Invasion: How Viruses Strike Back.. 2021 , 12, 803427	1
251	CD127 imprints functional heterogeneity to diversify monocyte responses in inflammatory diseases.. 2022 , 219,	2
250	Repolarization of Unbalanced Macrophages: Unmet Medical Need in Chronic Inflammation and Cancer.. 2022 , 23,	0

- 249 MS-based targeted profiling of oxylipins in COVID-19: A new insight into inflammation regulation.. **2022**, 180, 236-236 0
- 248 Csf1r+;Cd68+ Macrophages Uniquely Express Lactotransferrin and Vegfc During Complex Tissue Regeneration in Spiny Mice.
- 247 Negative Regulation of the IL-1 System by IL-1R2 and IL-1R8: Relevance in Pathophysiology and Disease.. **2022**, 13, 804641 1
- 246 Prostaglandin E2 receptor 3 (EP3) promotes M1 macrophages polarization in unexplained recurrent pregnancy loss (uRPL).. **2022**,
- 245 Galectin-3 S-glutathionylation regulates its effect on adipocyte insulin signaling.. **2022**, 1869, 119234
- 244 Celastrol attenuates psoriasiform inflammation by targeting the IRF1/GSTM3 axis.. **2022**,
- 243 SLAMF7 engagement superactivates macrophages in acute and chronic inflammation.. **2022**, 7, eabf2846 1
- 242 Folate Receptor Expression by Human Monocyte-Derived Macrophage Subtypes and Effects of Corticosteroids.. **2022**, 13, 19476035221081469 2
- 241 Tumor-Associated Macrophages: Reasons to Be Cheerful, Reasons to Be Fearful.. **2022**, 113, 107-140 0
- 240 DC-SIGNs. **2022**, 585-606
- 239 Basic biology of macrophages. **2022**, 13-25
- 238 Macrophage polarization in hypoxia and ischemia/reperfusion: Insights into the role of energetic metabolism.. **2022**, 15353702221080130 1
- 237 Engineered Zinc Finger Protein Targeting 2LTR Inhibits HIV Integration in Hematopoietic Stem and Progenitor Cell-Derived Macrophages: In Vitro Study.. **2022**, 23, 0
- 236 Four in one-Combination therapy using live Lactococcus lactis expressing three therapeutic proteins for the treatment of chronic non-healing wounds.. **2022**, 17, e0264775 1
- 235 Establishing a Macrophage Phenotypic Switch-Associated Signature-Based Risk Model for Predicting the Prognoses of Lung Adenocarcinoma.. **2021**, 11, 771988 1
- 234 Effect of stimulation time on the expression of human macrophage polarization markers.. **2022**, 17, e0265196 2
- 233 Prioritized single-cell proteomics reveals molecular and functional polarization across primary macrophages. 3
- 232 CIS calibrates GM-CSF signalling strength to regulate macrophage polarization via a STAT5-IRF8 axis. 0

231	Macrophage membrane-functionalized nanofibrous mats and their immunomodulatory effects on macrophage polarization.. 2021,	1
230	Immunosuppressive tumor-associated macrophages expressing interleukin-10 conferred poor prognosis and therapeutic vulnerability in patients with muscle-invasive bladder cancer.. 2022, 10,	0
229	Diverse Epigenetic Regulations of Macrophages in Atherosclerosis.. 2022, 9, 868788	1
228	CLEC5a-directed bispecific antibody for effective cellular phagocytosis.. 2022, 14, 2040083	
227	Context-dependent triggering of STING-interferon signaling by CD11b agonists supports anti-tumor immunity in mouse models and human cancer patients.	
226	333HLA class II Immunogenic Mutation Burden Predicts Response to Immune Checkpoint Blockade.. 2022,	2
225	Cellular and transcriptional diversity over the course of human lactation.. 2022, 119, e2121720119	2
224	Therapeutic induction of energy metabolism reduces neural tissue damage and increases microglia activation in severe spinal cord injury.. 2022, 178, 106149	1
223	Hexokinase 1 cellular localization regulates the metabolic fate of glucose.. 2022,	3
222	Tumor-derived immunoglobulin like transcript 5 induces suppressive immunocyte infiltration in colorectal cancer.. 2022,	0
221	Unravelling the immunomodulatory role of apple phenolic rich extracts on human THP-1- derived macrophages using multiplatform metabolomics.. 2022, 155, 111037	
220	Utero-Placental Immune Milieu during Normal and Aglepristone-Induced Parturition in the Dog.. 2021, 11,	1
219	Single Cell Analysis Unveils the Role of the Tumor Immune Microenvironment and Notch Signaling in Dormant Minimal Residual Disease.. 2021,	2
218	The Dual Nature of Microglia in Alzheimer's Disease: A Microglia-Neuron Crosstalk Perspective.. 2022, 10738584211070273	0
217	High-Fat Diet-Induced Dysregulation of Immune Cells Correlates with Macrophage Phenotypes and Chronic Inflammation in Adipose Tissue.. 2022, 11,	0
216	Image_1.TIFF. 2018,	
215	Image_2.TIFF. 2018,	
214	Image_3.TIFF. 2018,	

213 Image_4.TIFF. 2018,

212 Image_5.TIFF. 2018,

211 Data_Sheet_1.pdf. 2019,

210 Image_1.TIFF. 2019,

209 Image_2.TIFF. 2019,

208 Image_3.TIFF. 2019,

207 Image_4.TIFF. 2019,

206 Image_5.TIFF. 2019,

205 Image_6.TIFF. 2019,

204 Image_7.TIFF. 2019,

203 Table_1.XLSX. 2019,

202 Table_2.XLSX. 2019,

201 Table_3.XLSX. 2019,

200 Table_4.xlsx. 2019,

199 Image_1.pdf. 2018,

198 Data_Sheet_1.pdf. 2020,

197 Data_Sheet_2.zip. 2020,

196 Data_Sheet_1.PDF. 2019,

195 Image_1.TIFF. 2019,

194 Image_10.TIFF. 2019,

193 Image_11.TIFF. 2019,

192 Image_2.TIFF. 2019,

191 Image_3.TIFF. 2019,

190 Image_4.TIFF. 2019,

189 Image_5.TIFF. 2019,

188 Image_6.TIFF. 2019,

187 Image_7.TIFF. 2019,

186 Image_8.TIFF. 2019,

185 Image_9.TIFF. 2019,

184 Presentation_1.PDF. 2018,

183 Image_1.TIF. 2020,

182 Image_2.TIF. 2020,

181 Image_1.TIF. 2020,

180 Presentation_1.ZIP. 2018,

179 Data_Sheet_1.docx. 2018,

178 Data_Sheet_1.PDF. 2020,

177 presentation_1.PDF. **2018**,

176 data_sheet_1.PDF. **2018**,

175 Data_Sheet_1.PDF. **2018**,

174 DataSheet_1.pdf. **2020**,

173 Data_Sheet_1.docx. **2019**,

172 image_1.tif. **2018**,

171 image_2.tif. **2018**,

170 image_3.tif. **2018**,

169 image_1.tif. **2018**,

168 image_2.tif. **2018**,

167 Image_1.pdf. **2020**,

166 Table_1.pdf. **2020**,

165 Table_2.pdf. **2020**,

164 Image_1.tif. **2020**,

163 Image_2.tif. **2020**,

162 Image_3.tif. **2020**,

161 Image_4.tif. **2020**,

160 Image_5.tif. **2020**,

159 DataSheet_1.docx. **2020**,

158 DataSheet_2.pdf. **2020**,

157 Table_1.pdf. **2020**,

156 Table_2.xlsx. **2020**,

155 Table_3.xlsx. **2020**,

154 Table_4.xlsx. **2020**,

153 Image_1.eps. **2018**,

152 Image_2.eps. **2018**,

151 Image_3.tiff. **2018**,

150 Image_4.eps. **2018**,

149 Image_5.eps. **2018**,

148 Image_6.eps. **2018**,

147 Image_7.eps. **2018**,

146 Table_1.xls. **2018**,

145 Table_2.xls. **2018**,

144 Table_3.xls. **2018**,

143 Table_1.docx. **2019**,

142 Data_Sheet_1.PDF. **2020**,

141 Data_Sheet_2.PDF. **2020**,

140 Data_Sheet_3.PDF. **2020**,

139 Data_Sheet_4.PDF. **2020**,

138 Table_1.xlsx. **2020**,

137 Table_2.xlsx. **2020**,

136 Table_3.xlsx. **2020**,

135 Table_4.xlsx. **2020**,

134 Image_1.pdf. **2020**,

133 DataSheet_1.pdf. **2020**,

132 Data_Sheet_1.docx. **2018**,

131 Exosome-mediated genetic reprogramming of tumor-associated macrophages by exoASO-STAT6 leads to potent monotherapy antitumor activity.. **2022**, 8, eabj7002 9

130 Diurnal expression of PD-1 on tumor-associated macrophages underlies the dosing time-dependent anti-tumor effects of the PD-1/PD-L1 inhibitor BMS-1 in B16/BL6 melanoma-bearing mice.. **2022**, 1

129 Targeting tumor-associated macrophages for cancer immunotherapy. **2022**, 3

128 Profiling the Oxy lipidome in Aged Mice after Chronic Ethanol Feeding: Identifying a Disconnect between Cytokines and Lipid Metabolites.

127 Mertk: An emerging target in cancer biology and immuno-oncology. **2022**,

126 Placental Macrophage (Hofbauer Cell) Response to Viral and Bacterial Ligands is Influenced by Fetal Sex.

125 Exploring Diverse Coagulation Factor XIII Subunit Expression Datasets: A Bioinformatic Analysis.. **2022**, 23,

124 Regulatory T Cells with Additional COX-2 Expression Are Independent Negative Prognosticators for Vulvar Cancer Patients.. **2022**, 23, 0

123	PBMNCs Treatment in Critical Limb Ischemia and Candidate Biomarkers of Efficacy. 2022 , 12, 1137	
122	Macrophage: A Cell With Many Faces and Functions in Tuberculosis. 2022 , 13,	2
121	CD206+ tumor-associated macrophages cross-present tumor antigen and drive anti-tumor immunity.. 2022 ,	1
120	CAR-T Therapy for Pediatric High-Grade Gliomas: Peculiarities, Current Investigations and Future Strategies. 2022 , 13,	2
119	Tim-3 decidual M Φ induced Th2 and Treg bias in decidual CD4T cells and promoted pregnancy maintenance via CD132.. 2022 , 13, 454	1
118	Timing of the Major Metabolic Switches in Immune Cell Activation and Differentiation During Cancer Development. 2022 , 187-218	
117	Immuno-onco-metabolism and Therapeutic Resistance. 2022 , 45-89	3
116	Reversal of lactate and PD-1-mediated macrophage immunosuppression controls growth of PTEN/p53-deficient prostate cancer.	
115	Fucoanthin Is a Potential Therapeutic Agent for the Treatment of Breast Cancer. 2022 , 20, 370	1
114	Endothelial extracellular vesicles promote tumour growth by tumour-associated macrophage reprogramming. 2022 , 11,	0
113	Human variation impacting MCOLN2 restricts Salmonella Typhi replication by magnesium deprivation.	
112	Lactate: The Mediator of Metabolism and Immunosuppression. 13,	1
111	Neuroprotective and Anti-inflammatory Effects of Pioglitazone on Traumatic Brain Injury. 2022 , 2022, 1-10	0
110	Transcription factor KLF4 regulated STAT1 to promote M1 polarization of macrophages in rheumatoid arthritis.	
109	Mesenchymal stem cells regulate M1 polarization of peritoneal macrophages through the CARD9-NF- κ B signaling pathway in severe acute pancreatitis.	
108	Hypoxia-inducible lentiviral gene expression in engineered human macrophages. 2022 , 10, e003770	
107	Macrophages: From Metchnikoff to 2020 and ahead. 2022 , 1-18	
106	Macrophage differentiation. 2022 , 19-48	

105	Peptidyl Arginine Deiminase Expression and Macrophage Polarization Following Stimulation with Citrullinated and Malondialdehyde-Acetaldehyde Modified Fibrinogen.	
104	Resveratrol and EB PUFAs Promote Human Macrophage Differentiation and Function. 2022 , 10, 1524	0
103	An Improved Model of Moderate Sleep Apnoea for Investigating Its Effect as a Comorbidity on Neurodegenerative Disease. 14,	
102	The PI3K / AKT signalling pathway in inflammation, cell death and glial scar formation after traumatic spinal cord injury: Mechanisms and therapeutic opportunities.	4
101	Inflammatory Breast Cancer: The Secretome of HCMV+ Tumor-Associated Macrophages Enhances Proliferation, Invasion, Colony Formation, and Expression of Cancer Stem Cell Markers. 12,	0
100	Machine Learning Identifies Signatures of Macrophage Reactivity and Tolerance that Predict Disease Outcomes.	0
99	Identification of BST2 Contributing to the Development of Glioblastoma Based on Bioinformatics Analysis. 13,	
98	The Many Roles of Macrophages in Skeletal Muscle Injury and Repair. 10,	0
97	A human adipose tissue cell-type transcriptome atlas. 2022 , 40, 111046	1
96	Role and Mechanisms of Tumor-Associated Macrophages in Hematological Malignancies. 12,	
95	Expression of Macrophage Polarization Markers against the Most Prevalent Serotypes of Aggregatibacter actinomycetemomitans. 2022 , 10, 1384	
94	Peptidyl arginine deiminase expression and macrophage polarization following stimulation with citrullinated and malondialdehyde-acetaldehyde modified fibrinogen. 2022 , 110, 109010	0
93	Human Chorionic Villous Differentiation and Placental Development. 2022 , 23, 8003	1
92	TREM2 macrophages induced by human lipids drive inflammation in acne lesions. 2022 , 7,	1
91	Role of Dectin-1 in peripheral nerve injury. 16,	
90	IL6 and CCL18 Mediate Cross-talk between VHL-Deficient Kidney Cells and Macrophages during Development of Renal Cell Carcinoma. 2022 , 82, 2716-2733	1
89	Immunogenic Cell Death Enhances Immunotherapy of Diffuse Intrinsic Pontine Glioma: From Preclinical to Clinical Studies. 2022 , 14, 1762	0
88	The protective effect of gamma aminobutyric acid B receptor activation on sympathetic nerve remodeling via the regulation of M2 macrophage polarization after myocardial infarction. 2022 ,	0

87	CCL18 Expression Is Higher in a Glioblastoma Multiforme Tumor than in the Peritumoral Area and Causes the Migration of Tumor Cells Sensitized by Hypoxia. 2022 , 23, 8536	0
86	Understanding the role of alternative macrophage phenotypes in human atherosclerosis. 1-17	
85	Distinct non-coding RNA cargo of extracellular vesicles from M1 and M2 human primary macrophages.	
84	Growth hormone remodels the 3D-structure of the mitochondria of inflammatory macrophages and promotes metabolic reprogramming.	
83	The immune microenvironment and tissue engineering strategies for spinal cord regeneration. 16,	0
82	The role of macrophages phenotypes in the activation of resolution pathways within human granulosa cells. 2022 , 20,	0
81	Formation of eicosanoids and other oxylipins in human macrophages. 2022 , 204, 115210	0
80	Role of tumor-associated macrophages in the breast tumor microenvironment. 2022 , 137-169	3
79	Naked Mole-Rat Hyaluronan Synthase 2 Promotes Longevity and Enhances Healthspan in Mice.	0
78	MS4A6A is a new prognostic biomarker produced by macrophages in glioma patients. 13,	0
77	TonEBP in Myeloid Cells Promotes Obesity-Induced Insulin Resistance and Inflammation Through Adipose Tissue Remodeling.	0
76	The Role and Regulation of Thromboxane A2 Signaling in Cancer-Trojan Horses and Misdirection. 2022 , 27, 6234	1
75	Integrated genomic, transcriptomic, and epigenetic analyses identify a leukotriene synthesis-related M2 macrophage gene signature that predicts prognosis and treatment vulnerability in gliomas. 13,	0
74	An anti-inflammatory activation sequence governs macrophage transcriptional dynamics during tissue injury in zebrafish. 2022 , 13,	1
73	Profiling the Oxylipidome in Aged Mice after Chronic Ethanol Feeding: Identifying Lipid Metabolites as Drivers of Hepatocyte Stress. 2022 ,	0
72	A Catalytic Immune Activator Based on Magnetic Nanoparticles to Reprogram the Immunoecology of Breast Cancer from Cold to Hot State. 2201240	0
71	Multi-OMICs analysis reveals metabolic and epigenetic changes associated with macrophage polarization. 2022 , 298, 102418	0
70	Single-cell analysis of myeloid cells in HPV+ tonsillar cancer.	0

69	Identification of a six-gene prognostic signature for bladder cancer associated macrophage. 13,	0
68	Synchrotron Fourier-Transform Infrared Microspectroscopy: Characterization of in vitro polarized tumor-associated macrophages stimulated by the secretome of inflammatory and non-inflammatory breast cancer cells. 2022 , 119367	0
67	Expression of O-glycosylated oncofetal fibronectin in alternatively activated human macrophages.	6
66	The Tumor Microenvironment Reprograms Immune Cells.	1
65	Non-invasive classification of macrophage polarisation by 2P-FLIM and machine learning. 11,	0
64	Platelet-Dependent Inflammatory Dysregulation in Patients with stages 4-5 Chronic Kidney Disease- A Mechanistic Clinical Study. 10.34067/KID.0005532022	0
63	Dendritic Cells or Macrophages? The Microenvironment of Human Clear Cell Renal Cell Carcinoma Imprints a Mosaic Myeloid Subtype Associated with Patient Survival. 2022 , 11, 3289	0
62	Identification of Biomarkers Related to Tumor Associated Macrophages in Clear Cell Renal Cell Carcinoma with Weighted gene co-expression network analysis.	0
61	Evolving polarisation of infiltrating and alveolar macrophages in the lung during metastatic progression of melanoma suggests CCR1 as a therapeutic target.	0
60	Tumor-associated macrophages in tumor progression and the role of traditional Chinese medicine in regulating TAMs to enhance antitumor effects. 13,	1
59	Macrophage subsets and their role: co-relation with colony-stimulating factor-1 receptor and clinical relevance.	1
58	Targeting TNF-producing macrophages activate antitumor immunity in pancreatic cancer through IL33 signaling.	0
57	TIM3 Expression in Anaplastic-Thyroid-Cancer-Infiltrating Macrophages: An Emerging Immunotherapeutic Target. 2022 , 11, 1609	0
56	Macrophages in periodontitis: A dynamic shift between tissue destruction and repair. 2022 , 58, 336-347	2
55	Canine polarized macrophages express distinct functional and transcriptomic profiles. 9,	0
54	LXR-inducible host E3 ligase IDOL targets a human cytomegalovirus reactivation determinant to promote latency.	0
53	In vivo single-cell transcriptomics reveal <i>Klebsiella pneumoniae</i> skews lung macrophages to promote infection.	0
52	Differential regulation of TNF and IL-6 expression contributes to immune evasion in prostate cancer. 2022 , 20,	0

51	Metabolic reprogramming in the immunosuppression of tumor-associated macrophages. Publish Ahead of Print,	○
50	The mitochondrial gene-CMPK2 functions as a rheostat for macrophage homeostasis. 13,	○
49	Current perspectives on diffuse midline glioma and a different role for the immune microenvironment compared to glioblastoma. 2022 , 19,	○
48	Macrophage Polarization in the Tumor Microenvironment: Modulation and Mimicry. 2022 , 1-25	○
47	Amlexanox-loaded nanoliposomes showing enhanced anti-inflammatory activity in cultured macrophages: A potential formulation for treatment of oral aphthous stomatitis. 2023 , 79, 104052	○
46	Transcriptome sequencing of the spleen of the Yangtze sturgeon (<i>Acipenser dabryanus</i>) under <i>Edwardsiella tarda</i> and poly(I:C) treatments. 2023 , 28, 101442	○
45	The E3 ubiquitin ligase WWP2 regulates pro-fibrogenic monocyte infiltration and activity in heart fibrosis. 2022 , 13,	1
44	Immune modulation after traumatic brain injury. 9,	1
43	Placental macrophage responses to viral and bacterial ligands and the influence of fetal sex. 2022 , 25, 105653	○
42	Differences in Immune phenotype in decidual tissue from multigravid women compared to primigravid women.	○
41	Decidual macrophages in recurrent spontaneous abortion. 13,	○
40	Decreased Innate Migration of Pro-Inflammatory M1 Macrophages through the Mesothelial Membrane Is Affected by Ceramide Kinase and Ceramide 1-P. 2022 , 23, 15977	○
39	Macrophage response mediated by extracellular matrix: Recent progress.	○
38	A High Percentage of CD16+ Monocytes Correlates with the Extent of Bone Erosion in Chronic Lymphocytic Leukemia Patients: The Impact of Leukemic B Cells in Monocyte Differentiation and Osteoclast Maturation. 2022 , 14, 5979	○
37	Temporal Analysis Reveals the Transient Differential Expression of Transcription Factors That Underlie the Trans-Differentiation of Human Monocytes to Macrophages. 2022 , 23, 15830	○
36	CIS controls the functional polarization of GM-CSF-derived macrophages.	○
35	Regulation of Pro-Inflammatory Macrophage Polarization via Lipid Nanoparticles Mediated Delivery of Anti-Prostaglandin-E2 siRNA. 2023 , 45, 1-11	○
34	The effect of photobiomodulation and <i>Akkermansia muciniphila</i> on THP-1 derived macrophage polarization treated with gliadin peptide.	○

- 33 Distinct non-coding RNA cargo of extracellular vesicles from M1 and M2 human primary macrophages. **2022**, 11, 12293 ○
- 32 Epididymitis in mice experimentally infected with *Trypanosoma equiperdum*: a histopathological and immunohistochemical study. **2023**, 201, 1-9 ○
- 31 Polysaccharides of *Plantago asiatica* enhance antitumor activity via regulating macrophages to M1-like phenotype. **2023**, 159, 114246 ○
- 30 Single-cell analysis of myeloid cells in HPV+ tonsillar cancer. 13, ○
- 29 SRA inhibition improves antitumor potency of antigen-targeted chaperone vaccine. 14, ○
- 28 Promoting Angiogenesis Using Immune Cells for Tissue-Engineered Vascular Grafts. **2023**, 51, 660-678 1
- 27 Prioritized mass spectrometry increases the depth, sensitivity and data completeness of single-cell proteomics. ○
- 26 Emerging role of macrophages in non-infectious diseases: An update. **2023**, 161, 114426 1
- 25 Neutrophil S100A9 supports M2 macrophage niche formation in granulomas. **2023**, 26, 106081 ○
- 24 A novel Patient-Derived 3D Model Recapitulates Mantle Cell Lymphoma Lymph Node Signaling, Immune Profile and in vivo Ibrutinib Responses. ○
- 23 RNAseq Analysis of FABP4 Knockout Mouse Hippocampal Transcriptome Suggests a Role for WNT/ β Catenin in Preventing Obesity-Induced Cognitive Impairment. **2023**, 24, 3381 ○
- 22 Preparation of human primary macrophages to study the polarization from monocyte-derived macrophages to pro- or anti-inflammatory macrophages at biomaterial interface in vitro. **2023**, ○
- 21 Single Cell Analysis of Human Thyroid Reveals the Transcriptional Signatures of Aging. **2023**, 164, ○
- 20 Distinct differences in immunological properties of equine orthobiologics revealed by functional and transcriptomic analysis using an activated macrophage readout system. 10, ○
- 19 PLGA-Based Micro/Nanoparticles: An Overview of Their Applications in Respiratory Diseases. **2023**, 24, 4333 ○
- 18 Why traditional herbal medicine promotes wound healing: Research from immune response, wound microbiome to controlled delivery. **2023**, 195, 114764 ○
- 17 Pro-inflammatory polarization and colorectal cancer modulate alternative and intronic polyadenylation in primary human macrophages. ○
- 16 Concomitant inhibition of PPAR β and mTORC1 induces the differentiation of human monocytes into highly immunogenic dendritic cells. **2023**, 42, 112156 ○

- 15 Immunology of the Fetomaternal Border. **2023**, 29-42
- 14 Effective Reversal of Macrophage Polarization by Inhibitory Combinations Predicted by a Boolean Protein-Protein Interaction Model. **2023**, 12, 376
- 13 TNF- α Enhances the Therapeutic Effects of MenSC-Derived Small Extracellular Vesicles on Inflammatory Bowel Disease through Macrophage Polarization by miR-24-3p. **2023**, 2023, 1-28
- 12 Expanded characterization of in vitro polarized M0, M1, and M2 human monocyte-derived macrophages: Bioenergetic and secreted mediator profiles. **2023**, 18, e0279037
- 11 Breast Tumor Microenvironment and CDKs. **2023**, 149-174
- 10 Enhanced insulin-regulated phagocytic activities support extreme health span and longevity in multiple populations.
- 9 Transcriptomic Establishment of Pig Macrophage Polarization Signatures. **2023**, 45, 2338-2350
- 8 The role of immunometabolism in macrophage polarization and its impact on acute lung injury/acute respiratory distress syndrome. 14,
- 7 Whole-Body Chemiluminescence and Fluorescence Imaging of Inflammation. **2023**, 143-189
- 6 Human variation impacting MCOLN2 restricts Salmonella Typhi replication by magnesium deprivation. **2023**, 100290
- 5 A novel patient-derived 3D model recapitulates mantle cell lymphoma lymph node signaling, immune profile and in vivo ibrutinib responses.
- 4 Bexmarilimab-induced macrophage activation leads to treatment benefit in solid tumors: the phase I/II first-in-human MATINS trial.
- 3 Tumor-Associated Macrophage Subsets: Shaping Polarization and Targeting. **2023**, 24, 7493
- 2 Monocyte-derived Dll4 is a novel contributor to persistent systemic inflammation in HIV patients.
- 1 Mammalian lipid droplets: structural, pathological, immunological and anti-toxicological roles. **2023**, 91, 101233