

Richard J Bucala

List of Publications by Year in descending order

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329
papers

28,501
citations

4653

85
h-index

6465

157
g-index

346
all docs

346
docs citations

346
times ranked

19843
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating Fibrocytes Define a New Leukocyte Subpopulation That Mediates Tissue Repair. <i>Molecular Medicine</i> , 1994, 1, 71-81.	1.9	1,186
2	MIF as a glucocorticoid-induced modulator of cytokine production. <i>Nature</i> , 1995, 377, 68-71.	13.7	1,113
3	MIF is a noncognate ligand of CXC chemokine receptors in inflammatory and atherogenic cell recruitment. <i>Nature Medicine</i> , 2007, 13, 587-596.	15.2	1,065
4	Peripheral Blood Fibrocytes: Differentiation Pathway and Migration to Wound Sites. <i>Journal of Immunology</i> , 2001, 166, 7556-7562.	0.4	984
5	MIF Signal Transduction Initiated by Binding to CD74. <i>Journal of Experimental Medicine</i> , 2003, 197, 1467-1476.	4.2	949
6	Protection from septic shock by neutralization of macrophage migration inhibitory factor. <i>Nature Medicine</i> , 2000, 6, 164-170.	15.2	709
7	Macrophage migration inhibitory factor (MIF) sustains macrophage proinflammatory function by inhibiting p53: Regulatory role in the innate immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 345-350.	3.3	554
8	CD44 Is the Signaling Component of the Macrophage Migration Inhibitory Factor-CD74 Receptor Complex. <i>Immunity</i> , 2006, 25, 595-606.	6.6	539
9	Cytokines in Sepsis: Potent Immunoregulators and Potential Therapeutic Targets—An Updated View. <i>Mediators of Inflammation</i> , 2013, 2013, 1-16.	1.4	528
10	Circulating fibrocytes: collagen-secreting cells of the peripheral blood. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 598-606.	1.2	503
11	An agent cleaving glucose-derived protein crosslinks in vitro and in vivo. <i>Nature</i> , 1996, 382, 275-278.	13.7	447
12	Sustained Mitogen-activated Protein Kinase (MAPK) and Cytoplasmic Phospholipase A2 Activation by Macrophage Migration Inhibitory Factor (MIF). <i>Journal of Biological Chemistry</i> , 1999, 274, 18100-18106.	1.6	429
13	Regulatory role for macrophage migration inhibitory factor in acute respiratory distress syndrome. <i>Nature Medicine</i> , 1997, 3, 320-323.	15.2	413
14	Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF). <i>Biochemistry</i> , 1994, 33, 14144-14155.	1.2	405
15	Macrophage migration inhibitory factor stimulates AMP-activated protein kinase in the ischaemic heart. <i>Nature</i> , 2008, 451, 578-582.	13.7	392
16	Fibrocytes: emerging effector cells in chronic inflammation. <i>Nature Reviews Immunology</i> , 2011, 11, 427-435.	10.6	377
17	The Immunoregulatory Mediator Macrophage Migration Inhibitory Factor (MIF) Catalyzes a Tautomerization Reaction. <i>Molecular Medicine</i> , 1996, 2, 143-149.	1.9	317
18	Macrophage migration inhibitory factor in rheumatoid arthritis: Evidence of proinflammatory function and regulation by glucocorticoids. <i>Arthritis and Rheumatism</i> , 1999, 42, 1601-1608.	6.7	285

#	ARTICLE	IF	CITATIONS
19	An Essential Role for Macrophage Migration Inhibitory Factor (MIF) in Angiogenesis and the Growth of a Murine Lymphoma. <i>Molecular Medicine</i> , 1999, 5, 181-191.	1.9	272
20	Fibrocytes induce an angiogenic phenotype in cultured endothelial cells and promote angiogenesis in vivo. <i>FASEB Journal</i> , 2001, 15, 2215-2224.	0.2	247
21	The role of circulating fibrocytes in fibrosis. <i>Current Rheumatology Reports</i> , 2006, 8, 145-150.	2.1	241
22	The Macrophage Migration Inhibitory Factor-Glucocorticoid Dyad: Regulation of Inflammation and Immunity. <i>Molecular Endocrinology</i> , 2007, 21, 1267-1280.	3.7	232
23	Inhibition of Macrophage Migration Inhibitory Factor or Its Receptor (CD74) Attenuates Growth and Invasion of DU-145 Prostate Cancer Cells. <i>Journal of Immunology</i> , 2006, 177, 8730-8739.	0.4	225
24	Macrophage Migration Inhibitory Factor Induces B Cell Survival by Activation of a CD74-CD44 Receptor Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 2784-2792.	1.6	222
25	Circulating monocytes from systemic sclerosis patients with interstitial lung disease show an enhanced profibrotic phenotype. <i>Laboratory Investigation</i> , 2010, 90, 812-823.	1.7	212
26	Fibrocytes in health and disease. <i>Experimental Hematology</i> , 2010, 38, 548-556.	0.2	203
27	Regulated secretion of macrophage migration inhibitory factor is mediated by a non-classical pathway involving an ABC transporter. <i>FEBS Letters</i> , 2003, 551, 78-86.	1.3	193
28	MIF rediscovered: cytokine, pituitary hormone, and glucocorticoid-induced regulator of the immune response. <i>FASEB Journal</i> , 1996, 10, 1607-1613.	0.2	192
29	Macrophage Migration Inhibitory Factor: A Probable Link between Inflammation and Cancer. <i>Immunity</i> , 2007, 26, 281-285.	6.6	187
30	Macrophage Migration Inhibitory Factor (MIF): A Glucocorticoid Counter-Regulator within the Immune System. <i>Critical Reviews in Immunology</i> , 1997, 17, 77-88.	1.0	186
31	The <i>DDT</i> gene product is a cytokine and functional homolog of macrophage migration inhibitory factor (MIF). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E577-85.	3.3	185
32	Macrophage migration inhibitory factor (MIF): A promising biomarker. <i>Drug News and Perspectives</i> , 2010, 23, 257.	1.9	179
33	Rapid and transient activation of the ERK MAPK signalling pathway by macrophage migration inhibitory factor (MIF) and dependence on JAB1/CSN5 and Src kinase activity. <i>Cellular Signalling</i> , 2006, 18, 688-703.	1.7	177
34	Tocilizumab Treatment for Cytokine Release Syndrome in Hospitalized Patients With Coronavirus Disease 2019. <i>Chest</i> , 2020, 158, 1397-1408.	0.4	177
35	Localization of Macrophage Migration Inhibitory Factor (MIF) to Secretory Granules within the Corticotrophic and Thyrotrophic Cells of the Pituitary Gland. <i>Molecular Medicine</i> , 1995, 1, 781-788.	1.9	170
36	Macrophage Migration Inhibitory Factor Deficiency Impairs Atherosclerosis in Low-Density Lipoprotein Receptor-Deficient Mice. <i>Circulation</i> , 2004, 109, 3149-3153.	1.6	165

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37	Expression of macrophage migration inhibitory factor in human glomerulonephritis. <i>Kidney International</i> , 2000, 57, 499-509.	2.6	164
38	Allosteric inhibition of macrophage migration inhibitory factor revealed by ibudilast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11313-11318.	3.3	164
39	IL-8 secreted in a macrophage migration-inhibitory factor- and CD74-dependent manner regulates B cell chronic lymphocytic leukemia survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13408-13413.	3.3	162
40	Impaired Macrophage Migration Inhibitory Factor-AMP-Activated Protein Kinase Activation and Ischemic Recovery in the Senescent Heart. <i>Circulation</i> , 2010, 122, 282-292.	1.6	156
41	MIF Expression in the Rat Brain: Implications for Neuronal Function. <i>Molecular Medicine</i> , 1998, 4, 217-230.	1.9	155
42	Cardiac macrophage migration inhibitory factor inhibits JNK pathway activation and injury during ischemia/reperfusion. <i>Journal of Clinical Investigation</i> , 2009, 119, 3807-3816.	3.9	155
43	Inhibition of macrophage migration inhibitory factor (MIF) tautomerase and biological activities by acetaminophen metabolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 144-149.	3.3	154
44	Involvement of macrophage migration inhibitory factor in the evolution of rat adjuvant arthritis. <i>Arthritis and Rheumatism</i> , 1998, 41, 910-917.	6.7	144
45	Tumor growth-promoting properties of macrophage migration inhibitory factor (MIF). <i>Seminars in Cancer Biology</i> , 2000, 10, 359-366.	4.3	144
46	Macrophage Migration Inhibitory Factor Contributes to the Immune Escape of Ovarian Cancer by Down-Regulating NKG2D. <i>Journal of Immunology</i> , 2008, 180, 7338-7348.	0.4	144
47	Nephrogenic Fibrosing Dermopathy: Suspect Identified, Motive Unclear. <i>American Journal of Dermatopathology</i> , 2003, 25, 358.	0.3	143
48	Macrophage Migration Inhibitory Factor Promotes Intestinal Tumorigenesis. <i>Gastroenterology</i> , 2005, 129, 1485-1503.	0.6	140
49	Nephrogenic systemic fibrosis (nephrogenic fibrosing dermopathy). <i>Current Opinion in Rheumatology</i> , 2006, 18, 614-617.	2.0	138
50	D-dopachrome tautomerase (D-DT or MIF-2): Doubling the MIF cytokine family. <i>Cytokine</i> , 2012, 59, 10-17.	1.4	137
51	A Novel, Macrophage Migration Inhibitory Factor Suicide Substrate Inhibits Motility and Growth of Lung Cancer Cells. <i>Cancer Research</i> , 2008, 68, 7253-7257.	0.4	135
52	Abrogation of macrophage migration inhibitory factor decreases West Nile virus lethality by limiting viral neuroinvasion. <i>Journal of Clinical Investigation</i> , 2007, 117, 3059-3066.	3.9	135
53	Increased Levels of Advanced Glycation Endproducts in the Lenses and Blood Vessels of Cigarette Smokers. <i>Molecular Medicine</i> , 1998, 4, 594-601.	1.9	134
54	Macrophage migration inhibitory factor (MIF) exerts antifibrotic effects in experimental liver fibrosis via CD74. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17444-17449.	3.3	133

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55	Evolving complexity of MIF signaling. <i>Cellular Signalling</i> , 2019, 57, 76-88.	1.7	132
56	A critical role for the host mediator macrophage migration inhibitory factor in the pathogenesis of malarial anemia. <i>Journal of Experimental Medicine</i> , 2006, 203, 1185-1196.	4.2	128
57	A Small-Molecule Macrophage Migration Inhibitory Factor Antagonist Protects against Glomerulonephritis in Lupus-Prone NZB/NZW F1 and MRL/lpr Mice. <i>Journal of Immunology</i> , 2011, 186, 527-538.	0.4	128
58	The proinflammatory mediator macrophage migration inhibitory factor induces glucose catabolism in muscle. <i>Journal of Clinical Investigation</i> , 2000, 106, 1291-1300.	3.9	127
59	Regulation of Macrophage Migration Inhibitory Factor Expression by Glucocorticoids in Vivo. <i>American Journal of Pathology</i> , 2003, 162, 47-56.	1.9	126
60	Discovery of Human Macrophage Migration Inhibitory Factor (MIF)-CD74 Antagonists via Virtual Screening. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 416-424.	2.9	122
61	Activation of the JNK signalling pathway by macrophage migration inhibitory factor (MIF) and dependence on CXCR4 and CD74. <i>Cellular Signalling</i> , 2011, 23, 135-144.	1.7	122
62	A Tautomerase-Null Macrophage Migration-Inhibitory Factor (MIF) Gene Knock-In Mouse Model Reveals That Protein Interactions and Not Enzymatic Activity Mediate MIF-Dependent Growth Regulation. <i>Molecular and Cellular Biology</i> , 2009, 29, 1922-1932.	1.1	121
63	Macrophage migration inhibitory factor: a regulator of glucocorticoid activity with a critical role in inflammatory disease. <i>Trends in Molecular Medicine</i> , 1997, 3, 502-507.	2.6	120
64	Macrophage migration inhibitory factor (MIF) is a critical mediator of the innate immune response to <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2997-3006.	3.3	120
65	The immunobiology of MIF: function, genetics and prospects for precision medicine. <i>Nature Reviews Rheumatology</i> , 2019, 15, 427-437.	3.5	120
66	Regulation of the CTL Response by Macrophage Migration Inhibitory Factor. <i>Journal of Immunology</i> , 2001, 166, 747-753.	0.4	118
67	Role for macrophage migration inhibitory factor in acute respiratory distress syndrome. <i>Journal of Pathology</i> , 2003, 199, 496-508.	2.1	116
68	Control of fibroblast-like synoviocyte proliferation by macrophage migration inhibitory factor. <i>Arthritis and Rheumatism</i> , 2003, 48, 103-109.	6.7	109
69	Reduction of the aortic inflammatory response in spontaneous atherosclerosis by blockade of macrophage migration inhibitory factor (MIF). <i>Atherosclerosis</i> , 2006, 184, 28-38.	0.4	107
70	The Golgi-Associated Protein p115 Mediates the Secretion of Macrophage Migration Inhibitory Factor. <i>Journal of Immunology</i> , 2009, 182, 6896-6906.	0.4	106
71	Dual effect of the macrophage migration inhibitory factor gene on the development and severity of human systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 2011, 63, 3942-3951.	6.7	106
72	Regulation of p53 by macrophage migration inhibitory factor in inflammatory arthritis. <i>Arthritis and Rheumatism</i> , 2003, 48, 1881-1889.	6.7	103

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73	Macrophage Migration Inhibitory Factor and Autism Spectrum Disorders. <i>Pediatrics</i> , 2008, 122, e438-e445.	1.0	103
74	The Proinflammatory Cytokine Macrophage Migration Inhibitory Factor Regulates Glucose Metabolism during Systemic Inflammation. <i>Journal of Immunology</i> , 2007, 179, 5399-5406.	0.4	101
75	Macrophage migration inhibitory factor promoter polymorphisms and the clinical expression of scleroderma. <i>Arthritis and Rheumatism</i> , 2006, 54, 3661-3669.	6.7	100
76	Deletion of macrophage migration inhibitory factor protects the heart from severe ischemiaâ€“reperfusion injury: A predominant role of anti-inflammation. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 991-999.	0.9	99
77	A <i>Leishmania</i> Ortholog of Macrophage Migration Inhibitory Factor Modulates Host Macrophage Responses. <i>Journal of Immunology</i> , 2008, 180, 8250-8261.	0.4	92
78	Glioblastoma Myeloid-Derived Suppressor Cell Subsets Express Differential Macrophage Migration Inhibitory Factor Receptor Profiles That Can Be Targeted to Reduce Immune Suppression. <i>Frontiers in Immunology</i> , 2020, 11, 1191.	2.2	92
79	Macrophage Migration Inhibitory Factor Promotes Cell Death and Aggravates Neurologic Deficits after Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1093-1106.	2.4	91
80	Macrophage migration inhibitory factor exhibits a pronounced circadian rhythm relevant to its role as a glucocorticoid counterâ€“regulator. <i>Immunology and Cell Biology</i> , 2003, 81, 137-143.	1.0	90
81	Simultaneous detection of microsatellite repeats and SNPs in the macrophage migration inhibitory factor (MIF) gene by thin-film biosensor chips and application to rural field studies. <i>Nucleic Acids Research</i> , 2005, 33, e121-e121.	6.5	90
82	Macrophage Migration Inhibitory Factor and CD74 Regulate Macrophage Chemotactic Responses via MAPK and Rho GTPase. <i>Journal of Immunology</i> , 2011, 186, 4915-4924.	0.4	90
83	Regulation of macrophage migration inhibitory factor by endogenous glucocorticoids in rat adjuvant-induced arthritis. <i>Arthritis and Rheumatism</i> , 2000, 43, 827.	6.7	88
84	Cystic Fibrosis, Disease Severity, and a Macrophage Migration Inhibitory Factor Polymorphism. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 1412-1415.	2.5	88
85	Circulating Fibrocytesâ€“Biology and Mechanisms in Wound Healing and Scar Formation. <i>International Review of Cell and Molecular Biology</i> , 2011, 291, 1-19.	1.6	88
86	Structural and Functional Characterization of a Secreted Hookworm Macrophage Migration Inhibitory Factor (MIF) That Interacts with the Human MIF Receptor CD74. <i>Journal of Biological Chemistry</i> , 2007, 282, 23447-23456.	1.6	87
87	Cooperative Regulation of Non-Small Cell Lung Carcinoma Angiogenic Potential by Macrophage Migration Inhibitory Factor and Its Homolog, <i>Dopachrome Tautomerase</i> . <i>Journal of Immunology</i> , 2008, 181, 2330-2337.	0.4	87
88	The influence of macrophage migration inhibitory factor gene polymorphisms on outcome from communityâ€“acquired pneumonia. <i>FASEB Journal</i> , 2009, 23, 2403-2411.	0.2	87
89	Orthologs of macrophage migration inhibitory factor from parasitic nematodes. <i>Trends in Parasitology</i> , 2008, 24, 355-363.	1.5	86
90	The role of macrophage migration inhibitory factor in autoimmune liver disease. <i>Hepatology</i> , 2014, 59, 580-591.	3.6	86

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91	Peripheral blood fibrocytes: Mesenchymal precursor cells and the pathogenesis of fibrosis. <i>Current Rheumatology Reports</i> , 2000, 2, 501-505.	2.1	84
92	Macrophage migration inhibitory factor regulates neutrophil chemotactic responses in inflammatory arthritis in mice. <i>Arthritis and Rheumatism</i> , 2011, 63, 960-970.	6.7	84
93	Role of semaphorin 7a signaling in transforming growth factor β -induced lung fibrosis and scleroderma-related interstitial lung disease. <i>Arthritis and Rheumatism</i> , 2011, 63, 2484-2494.	6.7	84
94	The protective role of macrophage migration inhibitory factor in acute kidney injury after cardiac surgery. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	84
95	MIF and D-DT are potential disease severity modifiers in male MS subjects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8421-E8429.	3.3	83
96	Role of Macrophage Migration Inhibitory Factor in the Regulation of the Immune Response. <i>Advances in Immunology</i> , 1997, 66, 197-223.	1.1	82
97	Macrophage migration inhibitory factor. <i>Expert Opinion on Therapeutic Targets</i> , 2003, 7, 153-164.	1.5	82
98	Macrophage migration inhibitory factor (MIF) as a therapeutic target for rheumatoid arthritis and systemic lupus erythematosus. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 733-744.	1.5	82
99	Macrophage migration inhibitory factor mediates the antidepressant actions of voluntary exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13094-13099.	3.3	80
100	Differential roles of angiogenic chemokines in endothelial progenitor cell-induced angiogenesis. <i>Basic Research in Cardiology</i> , 2013, 108, 310.	2.5	79
101	Evidence for a Role of Macrophage Migration Inhibitory Factor in Vascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 709-714.	1.1	77
102	Circulating Fibrocytes: Cellular Basis for NSF. <i>Journal of the American College of Radiology</i> , 2008, 5, 36-39.	0.9	77
103	CD74 induces TAp63 expression leading to B-cell survival. <i>Blood</i> , 2007, 110, 4303-4311.	0.6	76
104	Autoimmune diseases: MIF as a therapeutic target. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 253-264.	1.5	74
105	Macrophage migration inhibitory factor, MIF alleles, and the genetics of inflammatory disorders: Incorporating disease outcome into the definition of phenotype. <i>Arthritis and Rheumatism</i> , 2003, 48, 1171-1176.	6.7	73
106	Limiting Cardiac Ischemic Injury by Pharmacological Augmentation of Macrophage Migration Inhibitory Factor-AMP-Activated Protein Kinase Signal Transduction. <i>Circulation</i> , 2013, 128, 225-236.	1.6	73
107	An Analysis of MIF Structural Features that Control Functional Activation of CD74. <i>Chemistry and Biology</i> , 2015, 22, 1197-1205.	6.2	73
108	CD74-Downregulation of Placental Macrophage-Trophoblastic Interactions in Preeclampsia. <i>Circulation Research</i> , 2016, 119, 55-68.	2.0	73

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109	Tumor Growth-Promoting Properties of Macrophage Migration Inhibitory Factor. <i>Current Pharmaceutical Design</i> , 2008, 14, 3790-3801.	0.9	71
110	A <i>Plasmodium</i> -encoded cytokine suppresses T-cell immunity during malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2117-26.	3.3	71
111	The renin-angiotensin system contributes to renal fibrosis through regulation of fibrocytes. <i>Journal of Hypertension</i> , 2008, 26, 780-790.	0.3	70
112	MIF (Macrophage Migration Inhibitory Factor) Promoter Polymorphisms and Susceptibility to Severe Malarial Anemia. <i>Journal of Infectious Diseases</i> , 2009, 200, 629-637.	1.9	70
113	Toll-like receptors in systemic lupus erythematosus; prospects for therapeutic intervention. <i>Autoimmunity Reviews</i> , 2009, 8, 204-208.	2.5	70
114	A most interesting factor. <i>Nature</i> , 2000, 408, 146-147.	13.7	69
115	Macrophage Migration Inhibitory Factor Deficiency Augments Doxorubicin-Induced Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2013, 2, e000439.	1.6	68
116	Review: The Tumor-Like Phenotype of Rheumatoid Synovium: Molecular Profiling and Prospects for Precision Medicine. <i>Arthritis and Rheumatology</i> , 2018, 70, 637-652.	2.9	68
117	Macrophage migration inhibitory factor (MIF) is critical for the host resistance against <i>Toxoplasma gondii</i> . <i>FASEB Journal</i> , 2008, 22, 3661-3671.	0.2	67
118	Neutralization of the <i>Plasmodium</i> -encoded MIF ortholog confers protective immunity against malaria infection. <i>Nature Communications</i> , 2018, 9, 2714.	5.8	67
119	Ribosomal Protein S19 Interacts with Macrophage Migration Inhibitory Factor and Attenuates Its Pro-inflammatory Function. <i>Journal of Biological Chemistry</i> , 2009, 284, 7977-7985.	1.6	64
120	MIF, MIF Alleles, and Prospects for Therapeutic Intervention in Autoimmunity. <i>Journal of Clinical Immunology</i> , 2013, 33, 72-78.	2.0	64
121	Therapeutic approaches to innate immunity: severe sepsis and septic shock. <i>Nature Reviews Drug Discovery</i> , 2003, 2, 635-645.	21.5	63
122	Optimization of N-benzyl-benzoxazol-2-ones as receptor antagonists of macrophage migration inhibitory factor (MIF). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5811-5814.	1.0	62
123	Targeting distinct tautomerase sites of α -DT and MIF with a single molecule for inhibition of neutrophil lung recruitment. <i>FASEB Journal</i> , 2014, 28, 4961-4971.	0.2	62
124	MIF family cytokines in cardiovascular diseases and prospects for precision-based therapeutics. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 671-683.	1.5	62
125	Macrophage Migration Inhibitory Factor Limits Renal Inflammation and Fibrosis by Counteracting Tubular Cell Cycle Arrest. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 3590-3604.	3.0	60
126	Macrophage Migration Inhibitory Factor (MIF) Deficiency Exacerbates Aging-Induced Cardiac Remodeling and Dysfunction Despite Improved Inflammation: Role of Autophagy Regulation. <i>Scientific Reports</i> , 2016, 6, 22488.	1.6	59

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127	Macrophage Migration Inhibitory Factor Mediates Proliferative GN via CD74. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 1650-1664.	3.0	59
128	Macrophage Migration Inhibitory Factor Regulates U1 Small Nuclear RNP Immune Complex-Mediated Activation of the NLRP3 Inflammasome. <i>Arthritis and Rheumatology</i> , 2019, 71, 109-120.	2.9	59
129	The vestigial enzyme D-dopachrome tautomerase protects the heart against ischemic injury. <i>Journal of Clinical Investigation</i> , 2014, 124, 3540-3550.	3.9	59
130	Interaction of MIF Family Proteins in Myocardial Ischemia/Reperfusion Damage and Their Influence on Clinical Outcome of Cardiac Surgery Patients. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 865-879.	2.5	58
131	Macrophage migration inhibitory factor upregulates angiogenic factors and correlates with clinical measures in rheumatoid arthritis. <i>Journal of Rheumatology</i> , 2007, 34, 927-36.	1.0	56
132	A Novel Allosteric Inhibitor of Macrophage Migration Inhibitory Factor (MIF). <i>Journal of Biological Chemistry</i> , 2012, 287, 30653-30663.	1.6	55
133	A Role for Macrophage Migration Inhibitory Factor in the Neonatal Respiratory Distress Syndrome. <i>Journal of Immunology</i> , 2008, 180, 601-608.	0.4	54
134	c-Met and Its Ligand Hepatocyte Growth Factor/Scatter Factor Regulate Mature B Cell Survival in a Pathway Induced by CD74. <i>Journal of Immunology</i> , 2010, 185, 2020-2031.	0.4	54
135	Compartmentalized Protective and Detrimental Effects of Endogenous Macrophage Migration-Inhibitory Factor Mediated by CXCR2 in a Mouse Model of Myocardial Ischemia/Reperfusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2180-2186.	1.1	54
136	MIF allele-dependent regulation of the MIF coreceptor CD44 and role in rheumatoid arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7917-E7926.	3.3	54
137	Differential roles of cardiac and leukocyte derived macrophage migration inhibitory factor in inflammatory responses and cardiac remodelling post myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 69, 32-42.	0.9	52
138	The "Infodemic" of COVID-19. <i>Arthritis and Rheumatology</i> , 2020, 72, 1806-1808.	2.9	52
139	A New Class of Isothiocyanate-Based Irreversible Inhibitors of Macrophage Migration Inhibitory Factor. <i>Biochemistry</i> , 2009, 48, 9858-9870.	1.2	51
140	A genetic role for macrophage migration inhibitory factor (MIF) in adult-onset Still's disease. <i>Arthritis Research and Therapy</i> , 2013, 15, R65.	1.6	51
141	Protective role of macrophage migration inhibitory factor in nonalcoholic steatohepatitis. <i>FASEB Journal</i> , 2014, 28, 5136-5147.	0.2	51
142	Pentosan Polysulfate: a Novel Glycosaminoglycan-Like Molecule for Effective Treatment of Alphavirus-Induced Cartilage Destruction and Inflammatory Disease. <i>Journal of Virology</i> , 2015, 89, 8063-8076.	1.5	51
143	The macrophage migration inhibitory factor protein superfamily in obesity and wound repair. <i>Experimental and Molecular Medicine</i> , 2015, 47, e161-e161.	3.2	51
144	Transcription factor ICBP90 regulates the MIF promoter and immune susceptibility locus. <i>Journal of Clinical Investigation</i> , 2016, 126, 732-744.	3.9	51

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145	The Integral Role of CD74 in Antigen Presentation, MIF Signal Transduction, and B Cell Survival and Homeostasis. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015, 14, 1132-1138.	1.1	51
146	Berberine Protects against Palmitate-Induced Endothelial Dysfunction: Involvements of Upregulation of AMPK and eNOS and Downregulation of NOX4. <i>Mediators of Inflammation</i> , 2013, 2013, 1-8.	1.4	50
147	Reduced Osteoarthritis Severity in Aged Mice With Deletion of Macrophage Migration Inhibitory Factor. <i>Arthritis and Rheumatology</i> , 2017, 69, 352-361.	2.9	49
148	17 α -Estradiol late in life extends lifespan in aging UM β HET3 male mice; nicotinamide riboside and three other drugs do not affect lifespan in either sex. <i>Aging Cell</i> , 2021, 20, e13328.	3.0	48
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