

# Lin Leng

## List of Publications by Year in descending order

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98  
papers

6,420  
citations

101543

36  
h-index

66911

78  
g-index

100  
all docs

100  
docs citations

100  
times ranked

6300  
citing authors

#	ARTICLE	IF	CITATIONS
1	MIF is a noncognate ligand of CXC chemokine receptors in inflammatory and atherogenic cell recruitment. <i>Nature Medicine</i> , 2007, 13, 587-596.	30.7	1,065
2	MIF Signal Transduction Initiated by Binding to CD74. <i>Journal of Experimental Medicine</i> , 2003, 197, 1467-1476.	8.5	949
3	CD44 Is the Signaling Component of the Macrophage Migration Inhibitory Factor-CD74 Receptor Complex. <i>Immunity</i> , 2006, 25, 595-606.	14.3	539
4	The <i>D<sub>2</sub></i> -dopachrome tautomerase ( <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.	7.1	185
5	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.	7.1	164
6	A Novel, Macrophage Migration Inhibitory Factor Suicide Substrate Inhibits Motility and Growth of Lung Cancer Cells. <i>Cancer Research</i> , 2008, 68, 7253-7257.	0.9	135
7	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.	7.1	133
8	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.	0.8	128
9	Discovery of Human Macrophage Migration Inhibitory Factor (MIF)-CD74 Antagonists via Virtual Screening. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 416-424.	6.4	122
10	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.	7.1	120
11	Macrophage migration inhibitory factor. <i>Critical Care Medicine</i> , 2005, 33, S475-S477.	0.9	117
12	The Golgi-Associated Protein p115 Mediates the Secretion of Macrophage Migration Inhibitory Factor. <i>Journal of Immunology</i> , 2009, 182, 6896-6906.	0.8	106
13	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
14	A <i>Leishmania</i> Ortholog of Macrophage Migration Inhibitory Factor Modulates Host Macrophage Responses. <i>Journal of Immunology</i> , 2008, 180, 8250-8261.	0.8	92
15	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.	4.8	92
16	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.	14.5	90
17	The influence of macrophage migration inhibitory factor gene polymorphisms on outcome from community-acquired pneumonia. <i>FASEB Journal</i> , 2009, 23, 2403-2411.	0.5	87
18	The role of macrophage migration inhibitory factor in autoimmune liver disease. <i>Hepatology</i> , 2014, 59, 580-591.	7.3	86

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19	The protective role of macrophage migration inhibitory factor in acute kidney injury after cardiac surgery. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	84
20	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.	7.1	83
21	<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.	7.1	71
22	<i>MIF</i> (Macrophage Migration Inhibitory Factor) Promoter Polymorphisms and Susceptibility to Severe Malarial Anemia. <i>Journal of Infectious Diseases</i> , 2009, 200, 629-637.	4.0	70
23	Review: The Tumor-Like Phenotype of Rheumatoid Synovium: Molecular Profiling and Prospects for Precision Medicine. <i>Arthritis and Rheumatology</i> , 2018, 70, 637-652.	5.6	68
24	Insight into the biology of Macrophage Migration Inhibitory Factor (MIF) revealed by the cloning of its cell surface receptor. <i>Cell Research</i> , 2006, 16, 162-168.	12.0	66
25	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.	3.4	64
26	MIF family cytokines in cardiovascular diseases and prospects for precision-based therapeutics. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 671-683.	3.4	62
27	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.	6.1	60
28	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.	5.6	59
29	The vestigial enzyme D-dopachrome tautomerase protects the heart against ischemic injury. <i>Journal of Clinical Investigation</i> , 2014, 124, 3540-3550.	8.2	59
30	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.	5.4	58
31	<i>MIF</i> 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.	7.1	54
32	Transcription factor ICBP90 regulates the MIF promoter and immune susceptibility locus. <i>Journal of Clinical Investigation</i> , 2016, 126, 732-744.	8.2	51
33	17 $\beta$ -estradiol late in life extends lifespan in aging UM $\times$ HET3 male mice; nicotinamide riboside and three other drugs do not affect lifespan in either sex. <i>Aging Cell</i> , 2021, 20, e13328.	6.7	48
34	Macrophage Migration Inhibitory Factor (MIF) Enzymatic Activity and Lung Cancer. <i>Molecular Medicine</i> , 2014, 20, 729-735.	4.4	47
35	MIF Contributes to <i>Trypanosoma brucei</i> Associated Immunopathogenicity Development. <i>PLoS Pathogens</i> , 2014, 10, e1004414.	4.7	45
36	Macrophage migration inhibitory factor drives neutrophil accumulation by facilitating IL-1 $\beta$ production in a murine model of acute gout. <i>Journal of Leukocyte Biology</i> , 2016, 99, 1035-1043.	3.3	40

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37	Elevated levels of macrophage migration inhibitory factor (MIF) in the plasma of HIV-1-infected patients and in HIV-1-infected cell cultures: A relevant role on viral replication. <i>Virology</i> , 2010, 399, 31-38.	2.4	39
38	Endothelial CD74 mediates macrophage migration inhibitory factor protection in hyperoxic lung injury. <i>FASEB Journal</i> , 2015, 29, 1940-1949.	0.5	39
39	MIF-2/D-DT enhances proximal tubular cell regeneration through SLPI- and ATF4-dependent mechanisms. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F767-F780.	2.7	36
40	MiRNA Regulation of MIF in SLE and Attenuation of Murine Lupus Nephritis With miR-654. <i>Frontiers in Immunology</i> , 2019, 10, 2229.	4.8	35
41	Virtual Screening and Optimization Yield Low-Nanomolar Inhibitors of the Tautomerase Activity of <i>Plasmodium falciparum</i> Macrophage Migration Inhibitory Factor. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10148-10159.	6.4	33
42	Macrophage Migration Inhibitory Factor Promotes Clearance of Pneumococcal Colonization. <i>Journal of Immunology</i> , 2014, 193, 764-772.	0.8	33
43	Nanosecond Dynamics Regulate the MIF-induced Activity of CD74. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7116-7119.	13.8	32
44	Glucocorticoid-induced MIF expression by human CEM T cells. <i>Cytokine</i> , 2009, 48, 177-185.	3.2	31
45	Macrophage Migration Inhibitory Factor Is Detrimental in Pneumococcal Pneumonia and a Target for Therapeutic Immunomodulation. <i>Journal of Infectious Diseases</i> , 2015, 212, 1677-1682.	4.0	30
46	Plasma Levels of Macrophage Migration Inhibitory Factor and d-Dopachrome Tautomerase Show a Highly Specific Profile in Early Life. <i>Frontiers in Immunology</i> , 2017, 8, 26.	4.8	29
47	Designed CXCR4 mimic acts as a soluble chemokine receptor that blocks atherogenic inflammation by agonist-specific targeting. <i>Nature Communications</i> , 2020, 11, 5981.	12.8	29
48	MIF but not MIF-2 recruits inflammatory macrophages in an experimental polymicrobial sepsis model. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	29
49	Leukocyte-specific protein 1 regulates T-cell migration in rheumatoid arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6535-43.	7.1	28
50	Macrophage migration inhibitory factor drives pathology in a mouse model of spondyloarthritis and is associated with human disease. <i>Science Translational Medicine</i> , 2021, 13, eabg1210.	12.4	28
51	Macrophage migration inhibitory factor mediates metabolic dysfunction induced by atypical antipsychotic therapy. <i>Journal of Clinical Investigation</i> , 2018, 128, 4997-5007.	8.2	27
52	A Macrophage Migration Inhibitory Factor Polymorphism Is Associated with Autoimmune Hepatitis Severity in US and Japanese Patients. <i>Digestive Diseases and Sciences</i> , 2016, 61, 3506-3512.	2.3	26
53	Construct and Criterion Validity of the Euro QoL-5D in Patients with Systemic Lupus Erythematosus. <i>PLoS ONE</i> , 2014, 9, e98883.	2.5	24
54	Endothelial cell-secreted MIF reduces pericyte contractility and enhances neutrophil extravasation. <i>FASEB Journal</i> , 2019, 33, 2171-2186.	0.5	24

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55	Differential regulation of macrophage activation by the MIF cytokine superfamily members MIF and MIF $\beta$ in adipose tissue during endotoxemia. <i>FASEB Journal</i> , 2020, 34, 4219-4233.	0.5	24
56	Functional Polymorphisms in the Gene Encoding Macrophage Migration Inhibitory Factor Are Associated With Gram-Negative Bacteremia in Older Adults. <i>Journal of Infectious Diseases</i> , 2014, 209, 764-768.	4.0	22
57	Neutralization of macrophage migration inhibitory factor improves host survival after <i>Clostridium difficile</i> infection. <i>Anaerobe</i> , 2018, 53, 56-63.	2.1	21
58	<i>Ostertagia ostertagi</i> macrophage migration inhibitory factor is present in all developmental stages and may cross-regulate host functions through interaction with the host receptor. <i>International Journal for Parasitology</i> , 2014, 44, 355-367.	3.1	20
59	MIF-Mediated Hemodilution Promotes Pathogenic Anemia in Experimental African Trypanosomosis. <i>PLoS Pathogens</i> , 2016, 12, e1005862.	4.7	20
60	Macrophage Migration Inhibitory Factor (MIF) Drives Murine Psoriasiform Dermatitis. <i>Frontiers in Immunology</i> , 2018, 9, 2262.	4.8	20
61	A selective small-molecule inhibitor of macrophage migration inhibitory factor-2 (MIF-2), a MIF cytokine superfamily member, inhibits MIF-2 biological activity. <i>Journal of Biological Chemistry</i> , 2019, 294, 18522-18531.	3.4	20
62	Cardiomyocyte d-dopachrome tautomerase protects against heart failure. <i>JCI Insight</i> , 2019, 4, .	5.0	19
63	Molecular MRI of the Immuno-Metabolic Interplay in a Rabbit Liver Tumor Model: A Biomarker for Resistance Mechanisms in Tumor-targeted Therapy?. <i>Radiology</i> , 2020, 296, 575-583.	7.3	19
64	Crystallographic and Receptor Binding Characterization of <i>Plasmodium falciparum</i> Macrophage Migration Inhibitory Factor Complexed to Two Potent Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8652-8656.	6.4	18
65	The clinical significance of the MIF homolog d-dopachrome tautomerase (MIF-2) and its circulating receptor (sCD74) in burn. <i>Burns</i> , 2016, 42, 1265-1276.	1.9	18
66	Modeling of both shared and distinct interactions between MIF and its homologue D-DT with their common receptor CD74. <i>Cytokine</i> , 2016, 88, 62-70.	3.2	18
67	D-dopachrome tautomerase in adipose tissue inflammation and wound repair. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 35-45.	3.6	18
68	Novel Role of Macrophage Migration Inhibitory Factor in Upstream Control of the Unfolded Protein Response After Ethanol Feeding in Mice. <i>Alcoholism: Clinical and Experimental Research</i> , 2019, 43, 1439-1451.	2.4	18
69	Macrophage migration inhibitory factor enhances influenza-associated mortality in mice. <i>JCI Insight</i> , 2019, 4, .	5.0	15
70	Treatment of moderate rheumatoid arthritis with different strategies in a health resource-limited setting: a cost-effectiveness analysis in the era of biosimilars. <i>Clinical and Experimental Rheumatology</i> , 2015, 33, 20-6.	0.8	15
71	Association between high expression macrophage migration inhibitory factor (MIF) alleles and West Nile virus encephalitis. <i>Cytokine</i> , 2016, 78, 51-54.	3.2	14
72	Macrophage migration inhibitory factor mediates protease-activated receptor 4-induced bladder pain through urothelial high mobility group box 1. <i>Physiological Reports</i> , 2017, 5, e13549.	1.7	12

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73	Role of Macrophage Migration Inhibitory Factor in Granulomatosis With Polyangiitis. <i>Arthritis and Rheumatology</i> , 2018, 70, 2077-2086.	5.6	12
74	miR-152 Attenuates the Severity of Lupus Nephritis Through the Downregulation of Macrophage Migration Inhibitory Factor (MIF)-Induced Expression of COL1A1. <i>Frontiers in Immunology</i> , 2019, 10, 158.	4.8	12
75	TWEAK increases CD74 expression and sensitizes to DDT proinflammatory actions in tubular cells. <i>PLoS ONE</i> , 2018, 13, e0199391.	2.5	11
76	Macrophage migration inhibitory factor enhances <i>Pseudomonas aeruginosa</i> biofilm formation, potentially contributing to cystic fibrosis pathogenesis. <i>FASEB Journal</i> , 2017, 31, 5102-5110.	0.5	10
77	The Macrophage Migration Inhibitory Factor (MIF) Promoter Polymorphisms (rs3063368, rs755622) Predict Acute Kidney Injury and Death after Cardiac Surgery. <i>Journal of Clinical Medicine</i> , 2020, 9, 2936.	2.4	9
78	Interaction Between Macrophage Migration Inhibitory Factor and CD74 in Human Immunodeficiency Virus Type 1 Infected Primary Monocyte-Derived Macrophages Triggers the Production of Proinflammatory Mediators and Enhances Infection of Unactivated CD4+ T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 1494.	4.8	8
79	Macrophage migration inhibitory factor regulates innate cell responses via IL-17 expression. <i>FASEB Journal</i> , 2019, 33, 6919-6932.	0.5	8
80	Protease activated receptor 4 activation as a model of persistent bladder pain: Essential role of macrophage migration inhibitory factor and high mobility group box 1. <i>International Journal of Urology</i> , 2018, 25, 887-893.	1.0	6
81	Macrophage migration inhibitory factor (MIF) gene is associated with adolescents' cortisol reactivity and anxiety. <i>Psychoneuroendocrinology</i> , 2018, 95, 170-178.	2.7	6
82	MIF mediates bladder pain, not inflammation, in cyclophosphamide cystitis. <i>Cytokine: X</i> , 2019, 1, 100003.	1.4	6
83	Low expression Macrophage Migration Inhibitory Factor (MIF) alleles and tuberculosis in HIV infected South Africans. <i>Cytokine: X</i> , 2019, 1, 100004.	1.4	6
84	Spinal macrophage migration inhibitory factor and high mobility group box 1 mediate persistent bladder pain. <i>Neuroscience Letters</i> , 2019, 699, 54-58.	2.1	6
85	Intravesical CD74 and CXCR4, macrophage migration inhibitory factor (MIF) receptors, mediate bladder pain. <i>PLoS ONE</i> , 2021, 16, e0255975.	2.5	6
86	Role of MIF in coordinated expression of hepatic chemokines in patients with alcohol-associated hepatitis. <i>JCI Insight</i> , 2021, 6, .	5.0	5
87	Genotyping Two Promoter Polymorphisms in the MIF Gene: A 794 CATT58 Microsatellite Repeat and a 173 G/C SNP. <i>Methods in Molecular Biology</i> , 2020, 2080, 67-84.	0.9	5
88	Multi-Dimensional Health Assessment Questionnaire in China: Reliability, Validity and Clinical Value in Patients with Rheumatoid Arthritis. <i>PLoS ONE</i> , 2014, 9, e97952.	2.5	4
89	The small molecule macrophage migration inhibitory factor antagonist MIF098, inhibits pulmonary hypertension associated with murine SLE. <i>International Immunopharmacology</i> , 2019, 76, 105874.	3.8	4
90	ICBP90 Regulates MIF Expression, Glucocorticoid Sensitivity, and Apoptosis at the MIF Immune Susceptibility Locus. <i>Arthritis and Rheumatology</i> , 2021, 73, 1931-1942.	5.6	4

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91	Nanosecond Dynamics Regulate the MIF-induced Activity of CD74. <i>Angewandte Chemie</i> , 2018, 130, 7234-7237.	2.0	2
92	MIF Receptor-mediated Signal Transduction. , 2007, , 95-106.		1
93	Extracellular MIF, but not its homologue D-DT, promotes fibroblast motility independent of its receptor CD74/CD44. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	1
94	Aging-associated Alteration in the Cardiac MIF-AMPK Cascade in Response to Ischemic Stress. <i>Nature Precedings</i> , 2008, , .	0.1	0
95	MIF-AMPK cascades. <i>Nature Precedings</i> , 2009, , .	0.1	0
96	1677Macrophage migration inhibitory factor (MIF) promotes clearance of pneumococcal colonization. <i>Open Forum Infectious Diseases</i> , 2014, 1, S448-S448.	0.9	0
97	MIF-CD74 Signaling Protects against Endothelial Senescence in Chronic Obstructive Pulmonary Disease. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
98	Macrophage Migration Inhibitory Factor is not Associated with Sarcoidosis Susceptibility or Severity in Whites or Blacks. <i>Sarcoidosis Vasculitis and Diffuse Lung Diseases</i> , 2020, 37, e2020003.	0.2	0