Ming Zhao

List of Publications by Year
in descending order

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123 papers	5,356 citations	81900 39 h-index	106344 65 g-index
128 all docs	128 docs citations	128 times ranked	7348 citing authors

#	Article	IF	Citations
1	MicroRNAâ€126 regulates DNA methylation in CD4+ T cells and contributes to systemic lupus erythematosus by targeting DNA methyltransferase 1. Arthritis and Rheumatism, 2011, 63, 1376-1386.	6.7	323
2	Epigenetic dysregulation of ACE2 and interferon-regulated genes might suggest increased COVID-19 susceptibility and severity in lupus patients. Clinical Immunology, 2020, 215, 108410.	3.2	217
3	MicroRNA-210 overexpression promotes psoriasis-like inflammation by inducing Th1 and Th17 cell differentiation. Journal of Clinical Investigation, 2018, 128, 2551-2568.	8.2	182
4	DNA methylation and mRNA and microRNA expression of SLE CD4+ T cells correlate with disease phenotype. Journal of Autoimmunity, 2014, 54, 127-136.	6.5	172
5	IFI44L promoter methylation as a blood biomarker for systemic lupus erythematosus. Annals of the Rheumatic Diseases, 2016, 75, 1998-2006.	0.9	167
6	Epigenetics and SLE: RFX1 downregulation causes CD11a and CD70 overexpression by altering epigenetic modifications in lupus CD4+ T cells. Journal of Autoimmunity, 2010, 35, 58-69.	6.5	153
7	Recent advances of exosomes in immune modulation and autoimmune diseases. Autoimmunity, 2016, 49, 357-365.	2.6	125
8	Up-regulation of microRNA-210 induces immune dysfunction via targeting FOXP3 in CD4+ T cells of psoriasis vulgaris. Clinical Immunology, 2014, 150, 22-30.	3.2	123
9	Dysregulation of microRNAs in autoimmune diseases: Pathogenesis, biomarkers and potential therapeutic targets. Cancer Letters, 2018, 428, 90-103.	7.2	122
10	Clinical significance and immunobiology of IL-21 in autoimmunity. Journal of Autoimmunity, 2019, 99, 1-14.	6.5	121
11	Increased 5-hydroxymethylcytosine in CD4 + T cells in systemic lupus erythematosus. Journal of Autoimmunity, 2016, 69, 64-73.	6.5	110
12	T cell receptor Î² repertoires as novel diagnostic markers for systemic lupus erythematosus and rheumatoid arthritis. Annals of the Rheumatic Diseases, 2019, 78, 1070-1078.	0.9	99
13	IL-6/STAT3 pathway induced deficiency of RFX1 contributes to Th17-dependent autoimmune diseases via epigenetic regulation. Nature Communications, 2018, 9, 583.	12.8	89
14	The Bach Family of Transcription Factors: A Comprehensive Review. Clinical Reviews in Allergy and Immunology, 2016, 50, 345-356.	6.5	88
15	Hypomethylation ofIL10andIL13Promoters in CD4⁺T Cells of Patients with Systemic Lupus Erythematosus. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-9.	3.0	87
16	Epigenetic regulation in B-cell maturation and its dysregulation in autoimmunity. Cellular and Molecular Immunology, 2018, 15, 676-684.	10.5	87
17	DNA methylation profiling of the X chromosome reveals an aberrant demethylation on CXCR3 promoter in primary biliary cirrhosis. Clinical Epigenetics, 2015, 7, 61.	4.1	83
18	The role of microRNA-1246 in the regulation of B cell activation and the pathogenesis of systemic lupus erythematosus. Clinical Epigenetics, 2015, 7, 24.	4.1	81

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19	Type I Interferons in the Pathogenesis and Treatment of Autoimmune Diseases. Clinical Reviews in Allergy and Immunology, 2020, 59, 248-272.	6.5	81
20	Hypomethylation and overexpression of ITGAL (CD11a) in CD4+ T cells in systemic sclerosis. Clinical Epigenetics, 2014, 6, 25.	4.1	78
21	RFX1 regulates CD70 and CD11a expression in lupus T cells by recruiting the histone methyltransferase SUV39H1. Arthritis Research and Therapy, 2010, 12, R227.	3.5	75
22	Pathogenic role of tissue-resident memory T cells in autoimmune diseases. Autoimmunity Reviews, 2018, 17, 906-911.	5.8	67
23	miRNAs as Therapeutic Targets in Inflammatory Disease. Trends in Pharmacological Sciences, 2019, 40, 853-865.	8.7	67
24	Increased expression of TLR2 in CD4⁺ T cells from SLE patients enhances immune reactivity and promotes ILâ€17 expression through histone modifications. European Journal of Immunology, 2015, 45, 2683-2693.	2.9	63
25	High salt promotes autoimmunity by TET2-induced DNA demethylation and driving the differentiation of Tfh cells. Scientific Reports, 2016, 6, 28065.	3.3	63
26	Characters, functions and clinical perspectives of long non-coding RNAs. Molecular Genetics and Genomics, 2016, 291, 1013-1033.	2.1	63
27	Lipofectamine RNAiMAX: An Efficient siRNA Transfection Reagent in Human Embryonic Stem Cells. Molecular Biotechnology, 2008, 40, 19-26.	2.4	62
28	Clinical significance of miRNAs in autoimmunity. Journal of Autoimmunity, 2020, 109, 102438.	6.5	62
29	Analysis of Serum microRNA Profile by Solexa Sequencing in Women With Endometriosis. Reproductive Sciences, 2016, 23, 1359-1370.	2.5	58
30	Organ-specific biomarkers in lupus. Autoimmunity Reviews, 2017, 16, 391-397.	5.8	57
31	TLR4 signaling: A potential therapeutic target in ischemic coronary artery disease. International Immunopharmacology, 2014, 23, 54-59.	3.8	56
32	Critical Link Between Epigenetics and Transcription Factors in the Induction of Autoimmunity: a Comprehensive Review. Clinical Reviews in Allergy and Immunology, 2016, 50, 333-344.	6.5	56
33	Total glucosides of paeony induces regulatory CD4+CD25+ T cells by increasing Foxp3 demethylation in lupus CD4+ T cells. Clinical Immunology, 2012, 143, 180-187.	3.2	55
34	The expression of Bcl-6 in circulating follicular helper-like T cells positively correlates with the disease activity in systemic lupus erythematosus. Clinical Immunology, 2016, 173, 161-170.	3.2	55
35	New insights into different adipokines in linking the pathophysiology of obesity and psoriasis. Lipids in Health and Disease, 2019, 18, 171.	3.0	55
36	Epigenetic dynamics in immunity and autoimmunity. International Journal of Biochemistry and Cell Biology, 2015, 67, 65-74.	2.8	53

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37	The modulation of co-stimulatory molecules by circulating exosomes in primary biliary cirrhosis. Cellular and Molecular Immunology, 2017, 14, 276-284.	10.5	51
38	E4BP4 overexpression: A protective mechanism in CD4+ T cells from SLE patients. Journal of Autoimmunity, 2013, 41, 152-160.	6.5	46
39	The Pathogenic Role of Dysregulated Epigenetic Modifications in Autoimmune Diseases. Frontiers in Immunology, 2019, 10, 2305.	4.8	46
40	The effect of mycophenolic acid on epigenetic modifications in lupus CD4+T cells. Clinical Immunology, 2015, 158, 67-76.	3.2	45
41	TGF-Î² and Eomes control the homeostasis of CD8+ regulatory T cells. Journal of Experimental Medicine, 2021, 218, .	8.5	41
42	Crosstalk between metabolism and epigenetic modifications in autoimmune diseases: a comprehensive overview. Cellular and Molecular Life Sciences, 2018, 75, 3353-3369.	5.4	40
43	Protective effects of edaravone, a free radical scavenger, on lipopolysaccharide-induced acute kidney injury in a rat model of sepsis. International Urology and Nephrology, 2015, 47, 1745-1752.	1.4	39
44	CD24: from a Hematopoietic Differentiation Antigen to a Genetic Risk Factor for Multiple Autoimmune Diseases. Clinical Reviews in Allergy and Immunology, 2016, 50, 70-83.	6.5	39
45	Downregulation of BDH2 modulates iron homeostasis and promotes DNA demethylation in CD4 + T cells of systemic lupus erythematosus. Clinical Immunology, 2018, 187, 113-121.	3.2	39
46	Epigenetics as biomarkers in autoimmune diseases. Clinical Immunology, 2018, 196, 34-39.	3.2	38
47	MicroRNAs regulate immune system via multiple targets. Discovery Medicine, 2014, 18, 237-47.	0.5	38
48	AIM2 deficiency in B cells ameliorates systemic lupus erythematosus by regulating Blimp-1â€“Bcl-6 axis-mediated B-cell differentiation. Signal Transduction and Targeted Therapy, 2021, 6, 341.	17.1	36
49	The important roles of type I interferon and interferon-inducible genes in systemic lupus erythematosus. International Immunopharmacology, 2016, 40, 542-549.	3.8	35
50	Disordered cutaneous microbiota in systemic lupus erythematosus. Journal of Autoimmunity, 2020, 108, 102391.	6.5	35
51	E4BP4-mediated inhibition of T follicular helper cell differentiation is compromised in autoimmune diseases. Journal of Clinical Investigation, 2020, 130, 3717-3733.	8.2	35
52	Distinct epigenomes in CD4+ T cells of newborns, middle-ages and centenarians. Scientific Reports, 2016, 6, 38411.	3.3	34
53	A comprehensive review of immune-mediated dermatopathology in systemic lupus erythematosus. Journal of Autoimmunity, 2018, 93, 1-15.	6.5	34
54	Epigenetic regulation in monocyte/macrophage: A key player during atherosclerosis. Cardiovascular Therapeutics, 2017, 35, e12262.	2.5	33

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55	Serum miRNA-371b-5p and miRNA-5100 act as biomarkers for systemic lupus erythematosus. Clinical Immunology, 2018, 196, 103-109.	3.2	33
56	Identifying the differentially expressed microRNAs in autoimmunity: A systemic review and meta-analysis. Autoimmunity, 2020, 53, 122-136.	2.6	32
57	The complex role of AIM2 in autoimmune diseases and cancers. Immunity, Inflammation and Disease, 2021, 9, 649-665.	2.7	31
58	Rutaecarpine inhibited imiquimod-induced psoriasis-like dermatitis via inhibiting the NF-Î ºB and TLR7 pathways in mice. Biomedicine and Pharmacotherapy, 2019, 109, 1876-1883.	5.6	30
59	The role of icaritin in regulating Foxp3/IL17a balance in systemic lupus erythematosus and its effects on the treatment of MRL/lpr mice. Clinical Immunology, 2016, 162, 74-83.	3.2	29
60	Molecular Control of Follicular Helper T cell Development and Differentiation. Frontiers in Immunology, 2018, 9, 2470.	4.8	29
61	The Real Culprit in Systemic Lupus Erythematosus: Abnormal Epigenetic Regulation. International Journal of Molecular Sciences, 2015, 16, 11013-11033.	4.1	28
62	Some like it hot: The emerging role of spicy food (capsaicin) in autoimmune diseases. Autoimmunity Reviews, 2016, 15, 451-456.	5.8	28
63	Topical administration of nanocarrier miRNAâ€210 antisense ameliorates imiquimodâ€induced psoriasisâ€like dermatitis in mice. Journal of Dermatology, 2020, 47, 147-154.	1.2	28
64	Clinical Treatment Options in Scleroderma: Recommendations and Comprehensive Review. Clinical Reviews in Allergy and Immunology, 2022, 62, 273-291.	6.5	28
65	Overexpression of JMJD3 may contribute to demethylation of H3K27me3 in CD4 + T cells from patients with systemic sclerosis. Clinical Immunology, 2015, 161, 396-399.	3.2	27
66	Guideline for the diagnosis, treatment and long-term management of cutaneous lupus erythematosus. Journal of Autoimmunity, 2021, 123, 102707.	6.5	27
67	Dysregulation of Cell Death and Its Epigenetic Mechanisms in Systemic Lupus Erythematosus. Molecules, 2017, 22, 30.	3.8	26
68	Histone demethylase JMJD3 regulates CD11a expression through changes in histone H3K27 tri-methylation levels in CD4+ T cells of patients with systemic lupus erythematosus. Oncotarget, 2017, 8, 48938-48947.	1.8	25
69	All-Trans Retinoic Acid Induces CD4+CD25+FOXP3+ Regulatory T Cells by Increasing FOXP3 Demethylation in Systemic Sclerosis CD4+ T Cells. Journal of Immunology Research, 2018, 2018, 1-7.	2.2	24
70	The Application of Single-Cell RNA Sequencing in Studies of Autoimmune Diseases: a Comprehensive Review. Clinical Reviews in Allergy and Immunology, 2021, 60, 68-86.	6.5	24
71	Downregulated Serum Exosomal miR-451a Expression Correlates With Renal Damage and Its Intercellular Communication Role in Systemic Lupus Erythematosus. Frontiers in Immunology, 2021, 12, 630112.	4.8	24
72	Genome-wide profiling of DNA methylation and gene expression in esophageal squamous cell carcinoma. Oncotarget, 2016, 7, 4507-4521.	1.8	24

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73	Transcriptional profiling of human embryonic stem cells and embryoid bodies identifies HESRG, a novel stem cell gene. Biochemical and Biophysical Research Communications, 2007, 362, 916-922.	2.1	23
74	Increased Set1 binding at the promoter induces aberrant epigenetic alterations and up-regulates cyclic adenosine 5'-monophosphate response element modulator alpha in systemic lupus erythematosus. Clinical Epigenetics, 2016, 8, 126.	4.1	22
75	Down-regulation of MBD4 contributes to hypomethylation and overexpression of CD70 in CD4+ T cells in systemic lupus erythematosus. Clinical Epigenetics, 2017, 9, 104.	4.1	22
76	RFX1 downregulation contributes to TLR4 overexpression in CD14+ monocytes via epigenetic mechanisms in coronary artery disease. Clinical Epigenetics, 2019, 11, 44.	4.1	22
77	New insights into the progression from cutaneous lupus to systemic lupus erythematosus. Expert Review of Clinical Immunology, 2020, 16, 829-837.	3.0	22
78	The pathogenesis of bullous skin diseases. Journal of Translational Autoimmunity, 2019, 2, 100014.	4.0	21
79	Impact of smoking on psoriasis risk and treatment efficacy: a meta-analysis. Journal of International Medical Research, 2020, 48, 030006052096402.	1.0	21
80	UHRF1 downregulation promotes T follicular helper cell differentiation by increasing BCL6 expression in SLE. Clinical Epigenetics, 2021, 13, 31.	4.1	20
81	Abnormalities in Gut Microbiota and Metabolism in Patients With Chronic Spontaneous Urticaria. Frontiers in Immunology, 2021, 12, 691304.	4.8	20
82	The ILâ€21â€TET2â€AIM2â€câ€MAF pathway drives the T follicular helper cell response in lupusâ€like disease. Clinical and Translational Medicine, 2022, 12, e781.	4.0	20
83	Transcription factor RFX1 is ubiquitinated by E3 ligase STUB1 in systemic lupus erythematosus. Clinical Immunology, 2016, 169, 1-7.	3.2	19
84	Risk of adverse events from different drugs for SLE: a systematic review and network meta-analysis. Lupus Science and Medicine, 2018, 5, e000253.	2.7	18
85	Iron-dependent epigenetic modulation promotes pathogenic T cell differentiation in lupus. Journal of Clinical Investigation, 2022, 132, .	8.2	18
86	Epigallocatechin-3-Gallate Inhibits Homocysteine-Induced Apoptosis of Endothelial Cells by Demethylation of the DDAH2 Gene. Planta Medica, 2013, 79, 1715-1719.	1.3	16
87	Up-regulation of proBDNF/p75 ^{NTR} signaling in antibody-secreting cells drives systemic lupus erythematosus. Science Advances, 2022, 8, eabj2797.	10.3	16
88	Novel biomarkers for systemic lupus erythematosus. Biomarkers in Medicine, 2017, 11, 677-686.	1.4	15
89	Wilms' tumor 1-associating protein contributes to psoriasis by promoting keratinocytes proliferation via regulating cyclinA2 and CDK2. International Immunopharmacology, 2020, 88, 106918.	3.8	15
90	Abnormal expression of BAFF and its receptors in peripheral blood and skin lesions from systemic lupus erythematosus patients. Autoimmunity, 2020, 53, 192-200.	2.6	15

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91	An Update on the Pathogenesis of Skin Damage in Lupus. Current Rheumatology Reports, 2020, 22, 16.	4.7	14
92	A simple and highly efficient method of IFI44L methylation detection for the diagnosis of systemic lupus erythematosus. Clinical Immunology, 2020, 221, 108612.	3.2	13
93	A comparison and review of three sets of classification criteria for systemic lupus erythematosus for distinguishing systemic lupus erythematosus from pure mucocutaneous manifestations in the lupus disease spectrum. Lupus, 2020, 29, 1854-1865.	1.6	13
94	Non-Coding RNAs in CD4+ T Cells: New Insights Into the Pathogenesis of Systemic Lupus Erythematosus. Frontiers in Immunology, 2020, 11, 568.	4.8	13
95	Extracellular Vesicles in Rheumatoid Arthritis and Systemic Lupus Erythematosus: Functions and Applications. Frontiers in Immunology, 2020, 11, 575712.	4.8	13
96	RNA Methylation in Systemic Lupus Erythematosus. Frontiers in Cell and Developmental Biology, 2021, 9, 696559.	3.7	12
97	Comprehensive analysis of epigenetic modifications and immune-cell infiltration in tissues from patients with systemic lupus erythematosus. Epigenomics, 2022, 14, 81-100.	2.1	12
98	Regulatory Factor X1 Downregulation Contributes to Monocyte Chemoattractant Protein-1 Overexpression in CD14+ Monocytes via Epigenetic Mechanisms in Coronary Heart Disease. Frontiers in Genetics, 2019, 10, 1098.	2.3	11
99	A Comprehensive Review of Biological Agents for Lupus: Beyond Single Target. Frontiers in Immunology, 2020, 11, 539797.	4.8	11
100	Metaâ€analysis of differentially expressed microRNAs in systemic sclerosis. International Journal of Rheumatic Diseases, 2020, 23, 1297-1304.	1.9	11
101	Skin CD4+ Trm cells distinguish acute cutaneous lupus erythematosus from localized discoid lupus erythematosus/subacute cutaneous lupus erythematosus and other skin diseases. Journal of Autoimmunity, 2022, 128, 102811.	6.5	11
102	The Aberrant Epigenetic Modifications inÂthe Pathogenesis of Psoriasis. Journal of Investigative Dermatology Symposium Proceedings, 2018, 19, S81-S82.	0.8	10
103	TRIM10 binds to IFNâ€Î±/Î² receptor 1 to negatively regulate type I IFN signal transduction. European Journal of Immunology, 2021, 51, 1762-1773.	2.9	10
104	The downregulation of IL-18R defines bona fide kidney-resident CD8+ TÂcells. IScience, 2021, 24, 101975.	4.1	9
105	A novel humanized cutaneous lupus erythematosus mouse model mediated by IL-21-induced age-associated B cells. Journal of Autoimmunity, 2021, 123, 102686.	6.5	9
106	Difference of IFI44L methylation and serum IFN-a1 level among patients with discoid and systemic lupus erythematosus and healthy individuals. Journal of Translational Autoimmunity, 2021, 4, 100092.	4.0	7
107	An Enhanced Expression Level of CXCR3 on Tfh-like Cells from Lupus Skin Lesions Rather Than Lupus Peripheral Blood. Clinical Immunology, 2021, 226, 108717.	3.2	7
108	Sulforaphane Ameliorates the Severity of Psoriasis and SLE by Modulating Effector Cells and Reducing Oxidative Stress. Frontiers in Pharmacology, 2022, 13, 805508.	3.5	7

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109	Vitamin D status in patients with autoimmune bullous dermatoses: a meta-analysis. Journal of Dermatological Treatment, 2020, , 1-12.	2.2	6
110	The Roles of Orphan G Protein-Coupled Receptors in Autoimmune Diseases. Clinical Reviews in Allergy and Immunology, 2021, 60, 220-243.	6.5	6
111	Identification of differentially expressed genes and the role of PDK4 in CD14+ monocytes of coronary artery disease. Bioscience Reports, 2021, 41, .	2.4	6
112	Systemic lupus erythematosus patients contain Bâ€cell receptor repertoires sensitive to immunosuppressive drugs. European Journal of Immunology, 2022, 52, 669-680.	2.9	6
113	Ultraviolet light induces HERV expression to activate RIGâ€I signalling pathway in keratinocytes. Experimental Dermatology, 2022, , .	2.9	6
114	Overexpression of Wilms' tumor 1 in skin lesions of psoriasis is associated with abnormal proliferation and apoptosis of keratinocytes. Molecular Medicine Reports, 2018, 18, 3973-3982.	2.4	5
115	Juxtaposition of IL-1Î² and IFN-Î³ expression and apoptosis of keratinocytes in adult-onset Stillâ€™s disease. Expert Review of Clinical Immunology, 2019, 15, 1341-1350.	3.0	3
116	Immune repertoire: Revealing the â€œreal-timeâ€•adaptive immune response in autoimmune diseases. Autoimmunity, 2021, 54, 61-75.	2.6	3
117	Dysregulated translational factors and epigenetic regulations orchestrate in B cells contributing to autoimmune diseases. International Reviews of Immunology, 2023, 42, 1-25.	3.3	3
118	Regulatory effects of Nr4a2 on Th2 cells from patients with pemphigus vulgaris. Oncotarget, 2018, 9, 11258-11267.	1.8	3
119	Insufficient Iron Improves Pristane-Induced Lupus by Promoting Treg Cell Expansion. Frontiers in Immunology, 2022, 13, 799331.	4.8	3
120	Comparative Analysis of Global Proteome and Lysine Acetylome Between Naive CD4+ T Cells and CD4+ T Follicular Helper Cells. Frontiers in Immunology, 2021, 12, 643441.	4.8	2
121	Decreased microRNAâ€126 expression in psoriatic CD4 ⁺ T cells promotes Tâ€helper 17 cell differentiation and the formation of dermatitis in imiquimodâ€induced psoriasisâ€like mice. Journal of Dermatology, 2022, 49, 432-440.	1.2	2
122	Hidden mysteries behind genome, epigenome, and exposome of lupus erythematosus. Trends in Molecular Medicine, 2021, 27, 839-843.	6.7	1
123	A skin in situ immune cell detection kit for the diagnosis and classification of cutaneous lupus erythematosus. Annals of Translational Medicine, 2021, 9, 1062-1062.	1.7	0