Nan Shen

List of Publications by Year
in descending order

126 papers	9,965 citations	36303 51 h-index	38395 95 g-index
135 all docs	135 docs citations	135 times ranked	12878 citing authors

#	Article	IF	Citations
1	MicroRNAâ€146a contributes to abnormal activation of the type I interferon pathway in human lupus by targeting the key signaling proteins. Arthritis and Rheumatism, 2009, 60, 1065-1075.	6.7	679
2	MicroRNA-21 and MicroRNA-148a Contribute to DNA Hypomethylation in Lupus CD4+ T Cells by Directly and Indirectly Targeting DNA Methyltransferase 1. Journal of Immunology, 2010, 184, 6773-6781.	0.8	499
3	Low-dose interleukin-2 treatment selectively modulates CD4+ T cell subsets in patients with systemic lupus erythematosus. Nature Medicine, 2016, 22, 991-993.	30.7	457
4	The microRNA miR-23b suppresses IL-17-associated autoimmune inflammation by targeting TAB2, TAB3 and IKK-Î±. Nature Medicine, 2012, 18, 1077-1086.	30.7	397
5	Genome-Wide Association Study in Asian Populations Identifies Variants in ETS1 and WDFY4 Associated with Systemic Lupus Erythematosus. PLoS Genetics, 2010, 6, e1000841.	3.5	378
6	Sex-specific association of X-linked Toll-like receptor 7 (TLR7) with male systemic lupus erythematosus. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15838-15843.	7.1	324
7	A Functional Variant in MicroRNA-146a Promoter Modulates Its Expression and Confers Disease Risk for Systemic Lupus Erythematosus. PLoS Genetics, 2011, 7, e1002128.	3.5	241
8	miR-155 and its star-form partner miR-155* cooperatively regulate type I interferon production by human plasmacytoid dendritic cells. Blood, 2010, 116, 5885-5894.	1.4	233
9	Identification of the long noncoding RNA NEAT1 as a novel inflammatory regulator acting through MAPK pathway in human lupus. Journal of Autoimmunity, 2016, 75, 96-104.	6.5	233
10	Efficacy and safety of low-dose IL-2 in the treatment of systemic lupus erythematosus: a randomised, double-blind, placebo-controlled trial. Annals of the Rheumatic Diseases, 2020, 79, 141-149.	0.9	223
11	High-density genotyping of immune-related loci identifies new SLE risk variants in individuals with Asian ancestry. Nature Genetics, 2016, 48, 323-330.	21.4	219
12	MicroRNAâ€125a contributes to elevated inflammatory chemokine RANTES levels via targeting KLF13 in systemic lupus erythematosus. Arthritis and Rheumatism, 2010, 62, 3425-3435.	6.7	212
13	TLR7 gain-of-function genetic variation causes human lupus. Nature, 2022, 605, 349-356.	27.8	208
14	NF-ÎºB-induced microRNA-31 promotes epidermal hyperplasia by repressing protein phosphatase 6 in psoriasis. Nature Communications, 2015, 6, 7652.	12.8	191
15	Meta-analysis Followed by Replication Identifies Loci in or near CDKN1B, TET3, CD80, DRAM1, and ARID5B as Associated with Systemic Lupus Erythematosus in Asians. American Journal of Human Genetics, 2013, 92, 41-51.	6.2	184
16	Association of Genetic Variants in Complement Factor H and Factor H-Related Genes with Systemic Lupus Erythematosus Susceptibility. PLoS Genetics, 2011, 7, e1002079.	3.5	181
17	Growth Factor FGF2 Cooperates with Interleukin-17 to Repair Intestinal Epithelial Damage. Immunity, 2015, 43, 488-501.	14.3	174
18	Seleniumâ€"GPX4 axis protects follicular helper T cells from ferroptosis. Nature Immunology, 2021, 22, 1127-1139.	14.5	158

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19	Alterations in the Microbiota Drive Interleukin-17C Production from Intestinal Epithelial Cells to Promote Tumorigenesis. Immunity, 2014, 40, 140-152.	14.3	153
20	MicroRNAsâ€"novel regulators of systemic lupus erythematosus pathogenesis. Nature Reviews Rheumatology, 2012, 8, 701-709.	8.0	143
21	A missense variant in NCF1 is associated with susceptibility to multiple autoimmune diseases. Nature Genetics, 2017, 49, 433-437.	21.4	143
22	MiR-125a targets effector programs to stabilize Treg-mediated immune homeostasis. Nature Communications, 2015, 6, 7096.	12.8	133
23	miR-132 regulates the differentiation of dopamine neurons by directly targeting Nurr1 expression. Journal of Cell Science, 2012, 125, 1673-82.	2.0	132
24	Elevated microRNA-155 promotes foam cell formation by targeting HBP1 in atherogenesis. Cardiovascular Research, 2014, 103, 100-110.	3.8	131
25	Identification of 38 novel loci for systemic lupus erythematosus and genetic heterogeneity between ancestral groups. Nature Communications, 2021, 12, 772.	12.8	128
26	Iron Drives T Helper Cell Pathogenicity by Promoting RNA-Binding Protein PCBP1-Mediated Proinflammatory Cytokine Production. Immunity, 2018, 49, 80-92.e7.	14.3	107
27	Meta-analysis of 208370 East Asians identifies 113 susceptibility loci for systemic lupus erythematosus. Annals of the Rheumatic Diseases, 2021, 80, 632-640.	0.9	103
28	Urine Metabolic Fingerprints Encode Subtypes of Kidney Diseases. Angewandte Chemie - International Edition, 2020, 59, 1703-1710.	13.8	99
29	PARP alleles within the linked chromosomal region are associated with systemic lupus erythematosus. Journal of Clinical Investigation, 1999, 103, 1135-1140.	8.2	99
30	Identification of microRNAâ€31 as a novel regulator contributing to impaired interleukinâ€2 production in T cells from patients with systemic lupus erythematosus. Arthritis and Rheumatism, 2012, 64, 3715-3725.	6.7	97
31	Type I interferons in SjÃ¶gren's syndrome. Autoimmunity Reviews, 2013, 12, 558-566.	5.8	97
32	Association of large intergenic noncoding RNA expression with disease activity and organ damage in systemic lupus erythematosus. Arthritis Research and Therapy, 2015, 17, 131.	3.5	92
33	Identification of a Systemic Lupus Erythematosus Risk Locus Spanning <i>ATG16L2, FCHSD2</i>, and <i>P2RY2</i> in Koreans. Arthritis and Rheumatology, 2016, 68, 1197-1209.	5.6	89
34	Association of elevated transcript levels of interferon-inducible chemokines with disease activity and organ damage in systemic lupus erythematosus patients. Arthritis Research and Therapy, 2008, 10, R112.	3.5	81
35	Distinct roles of myeloid and plasmacytoid dendritic cells in systemic lupus erythematosus. Autoimmunity Reviews, 2012, 11, 890-897.	5.8	77
36	Geneâ€"gene interaction of <i>BLK</i>, <i>TNFSF4</i>, <i>TRAF1</i>, <i>TNFAIP3</i>, and <i>REL</i> in systemic lupus erythematosus. Arthritis and Rheumatism, 2012, 64, 222-231.	6.7	73

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37	Functional rare and low frequency variants in BLK and BANK1 contribute to human lupus. Nature Communications, 2019, 10, 2201.	12.8	73
38	T-614, a novel immunomodulator, attenuates joint inflammation and articular damage in collagen-induced arthritis. Arthritis Research and Therapy, 2008, 10, R136.	3.5	72
39	Excessive CD11c ⁺ Tbet ⁺ B cells promote aberrant T _{FH} differentiation and affinity-based germinal center selection in lupus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18550-18560.	7.1	68
40	The role of long non-coding RNAs in rheumatic diseases. Nature Reviews Rheumatology, 2017, 13, 657-669.	8.0	65
41	Non-synonymous variant (Gly307Ser) in CD226 is associated with susceptibility to multiple autoimmune diseases. Rheumatology, 2010, 49, 1239-1244.	1.9	64
42	Association of a common complement receptor 2 haplotype with increased risk of systemic lupus erythematosus. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3961-3966.	7.1	62
43	Monocyte MicroRNA Expression in Active Systemic Juvenile Idiopathic Arthritis Implicates MicroRNAâ€125aâ€5p in Polarized Monocyte Phenotypes. Arthritis and Rheumatology, 2016, 68, 2300-2313.	5.6	62
44	Antigen-specific CD8+ T cell feedback activates NLRP3 inflammasome in antigen-presenting cells through perforin. Nature Communications, 2017, 8, 15402.	12.8	61
45	Lupus-associated atypical memory B cells are mTORC1-hyperactivated and functionally dysregulated. Annals of the Rheumatic Diseases, 2019, 78, 1090-1100.	0.9	61
46	Two Functional Lupus-Associated BLK Promoter Variants Control Cell-Type- and Developmental-Stage-Specific Transcription. American Journal of Human Genetics, 2014, 94, 586-598.	6.2	59
47	MicroRNAâ€130b Ameliorates Murine Lupus Nephritis Through Targeting the Type I Interferon Pathway on Renal Mesangial Cells. Arthritis and Rheumatology, 2016, 68, 2232-2243.	5.6	59
48	T-bet+CD11c+ B cells are critical for antichromatin immunoglobulin G production in the development of lupus. Arthritis Research and Therapy, 2017, 19, 225.	3.5	58
49	Effect of TACI Signaling on Humoral Immunity and Autoimmune Diseases. Journal of Immunology Research, 2015, 2015, 1-12.	2.2	57
50	In Vivo Therapeutic Success of MicroRNAâ€155 Antagomir in a Mouse Model of Lupus Alveolar Hemorrhage. Arthritis and Rheumatology, 2016, 68, 953-964.	5.6	57
51	Association of Abnormal Elevations in <scp>IFIT</scp>3 With Overactive Cyclic <scp>GMP</scp>â€<scp>AMP</scp> Synthase/Stimulator of Interferon Genes Signaling in Human Systemic Lupus Erythematosus Monocytes. Arthritis and Rheumatology, 2018, 70, 2036-2045.	5.6	57
52	Identification of LncRNA Linc00513 Containing Lupus-Associated Genetic Variants as a Novel Regulator of Interferon Signaling Pathway. Frontiers in Immunology, 2018, 9, 2967.	4.8	56
53	Linkage and interaction of loci on 1q23 and 16q12 may contribute to susceptibility to systemic lupus erythematosus. Arthritis and Rheumatism, 2002, 46, 2928-2936.	6.7	55
54	miRNAs in the Pathogenesis of Systemic Lupus Erythematosus. International Journal of Molecular Sciences, 2015, 16, 9557-9572.	4.1	55

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55	Peli1 negatively regulates noncanonical NF-ÎºB signaling to restrain systemic lupus erythematosus. Nature Communications, 2018, 9, 1136.	12.8	55
56	PBX1 expression in uterine natural killer cells drives fetal growth. Science Translational Medicine, 2020, 12, .	12.4	54
57	MicroRNA-125a-Loaded Polymeric Nanoparticles Alleviate Systemic Lupus Erythematosus by Restoring Effector/Regulatory T Cells Balance. ACS Nano, 2020, 14, 4414-4429.	14.6	53
58	Identification of Renal Long Non-coding RNA RP11-2B6.2 as a Positive Regulator of Type I Interferon Signaling Pathway in Lupus Nephritis. Frontiers in Immunology, 2019, 10, 975.	4.8	52
59	Type I Interferon Inhibition of MicroRNAâ€146a Maturation Through Upâ€Regulation of Monocyte Chemotactic Proteinâ€“Induced Protein 1 in Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2015, 67, 3209-3218.	5.6	51
60	Trans-Ancestral Studies Fine Map the SLE-Susceptibility Locus TNFSF4. PLoS Genetics, 2013, 9, e1003554.	3.5	50
61	Exome-wide association study identifies four novel loci for systemic lupus erythematosus in Han Chinese population. Annals of the Rheumatic Diseases, 2018, 77, 417-417.	0.9	50
62	MicroRNA-663 induces immune dysregulation by inhibiting TGF-Î²1 production in bone marrow-derived mesenchymal stem cells in patients with systemic lupus erythematosus. Cellular and Molecular Immunology, 2019, 16, 260-274.	10.5	50
63	Spermidine Suppresses Inflammatory DC Function by Activating the FOXO3 Pathway and Counteracts Autoimmunity. IScience, 2020, 23, 100807.	4.1	49
64	SLE non-coding genetic risk variant determines the epigenetic dysfunction of an immune cell specific enhancer that controls disease-critical microRNA expression. Nature Communications, 2021, 12, 135.	12.8	48
65	Confirmation of five novel susceptibility loci for Systemic Lupus Erythematosus (SLE) and integrated network analysis of 82 SLE susceptibility loci. Human Molecular Genetics, 2017, 26, ddx026.	2.9	47
66	Brief Report: Identification of <i>MTMR3</i> as a Novel Susceptibility Gene for Lupus Nephritis in Northern Han Chinese by Sharedâ€Gene Analysis With IgA Nephropathy. Arthritis and Rheumatology, 2014, 66, 2842-2848.	5.6	44
67	Dendritic Cells in Systemic Lupus Erythematosus: From Pathogenic Players to Therapeutic Tools. Mediators of Inflammation, 2016, 2016, 1-12.	3.0	43
68	Multidimensional Single Cell Based STAT Phosphorylation Profiling Identifies a Novel Biosignature for Evaluation of Systemic Lupus Erythematosus Activity. PLoS ONE, 2011, 6, e21671.	2.5	41
69	Type I interferons promote the survival and proinflammatory properties of transitional B cells in systemic lupus erythematosus patients. Cellular and Molecular Immunology, 2019, 16, 367-379.	10.5	40
70	Zirconia Hybrid Nanoshells for Nutrient and Toxin Detection. Small, 2020, 16, e2003902.	10.0	37
71	Lupus Risk Variant Increases pSTAT1 Binding and Decreases ETS1 Expression. American Journal of Human Genetics, 2015, 96, 731-739.	6.2	36
72	Amino acid signatures of HLA Class-I and II molecules are strongly associated with SLE susceptibility and autoantibody production in Eastern Asians. PLoS Genetics, 2019, 15, e1008092.	3.5	36

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73	Current advances in the human lupus genetics. Current Rheumatology Reports, 2004, 6, 391-398.	4.7	35
74	Identification of Cyclinâ€Dependent Kinase 1 as a Novel Regulator of Type I Interferon Signaling in Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2016, 68, 1222-1232.	5.6	35
75	microRNA-mediated regulation of innate immune response in rheumatic diseases. Arthritis Research and Therapy, 2013, 15, 210.	3.5	34
76	A plausibly causal functional lupus-associated risk variant in the STAT1â€“STAT4 locus. Human Molecular Genetics, 2018, 27, 2392-2404.	2.9	34
77	MiR-125a-5p Decreases the Sensitivity of Treg cells Toward IL-6-Mediated Conversion by Inhibiting IL-6R and STAT3 Expression. Scientific Reports, 2015, 5, 14615.	3.3	33
78	Predominant Role of Plasmacytoid Dendritic Cells in Stimulating Systemic Autoimmunity. Frontiers in Immunology, 2015, 6, 526.	4.8	31
79	MicroRNA involvement in lupus. Current Opinion in Rheumatology, 2012, 24, 489-498.	4.3	30
80	T-614 alters the production of matrix metalloproteinases (MMP-1 andMMP-3) and inhibits the migratory expansion of rheumatoid synovial fibroblasts, in vitro. International Immunopharmacology, 2012, 13, 54-60.	3.8	29
81	The metabolic hormone leptin promotes the function of TFH cells and supports vaccine responses. Nature Communications, 2021, 12, 3073.	12.8	27
82	P2RY8 variants in lupus patients uncover a role for the receptor in immunological tolerance. Journal of Experimental Medicine, 2022, 219, .	8.5	26
83	Interferon-induced protein IFIT4 is associated with systemic lupus erythematosus and promotes differentiation of monocytes into dendritic cell-like cells. Arthritis Research and Therapy, 2008, 10, R91.	3.5	25
84	MicroRNA-125b/Lin28 Pathway Contributes to the Mesendodermal Fate Decision of Embryonic Stem Cells. Stem Cells and Development, 2012, 21, 1524-1537.	2.1	25
85	Lupus risk variants in the PXK locus alter B-cell receptor internalization. Frontiers in Genetics, 2015, 5, 450.	2.3	25
86	The CD6/ALCAM pathway promotes lupus nephritis via T cellâ€“mediated responses. Journal of Clinical Investigation, 2022, 132, .	8.2	25
87	miR-744 enhances type I interferon signaling pathway by targeting PTP1B in primary human renal mesangial cells. Scientific Reports, 2015, 5, 12987.	3.3	23
88	Urinary activated leukocyte cell adhesion molecule as a novel biomarker of lupus nephritis histology. Arthritis Research and Therapy, 2020, 22, 122.	3.5	23
89	FGF2 cooperates with IL-17 to promote autoimmune inflammation. Scientific Reports, 2017, 7, 7024.	3.3	22
90	Novel insights of microRNAs in the development of systemic lupus erythematosus. Current Opinion in Rheumatology, 2017, 29, 450-457.	4.3	20

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91	MicroRNAs in Systemic Lupus Erythematosus: a Perspective on the Path from Biological Discoveries to Clinical Practice. Current Rheumatology Reports, 2020, 22, 17.	4.7	20
92	MicroRNA networks associated with active systemic juvenile idiopathic arthritis regulate CD163 expression and anti-inflammatory functions in macrophages through two distinct mechanisms. Journal of Leukocyte Biology, 2018, 103, 71-85.	3.3	19
93	MiR-125a Is a critical modulator for neutrophil development. PLoS Genetics, 2017, 13, e1007027.	3.5	19
94	Inhibition of Glycolysis in Pathogenic TH17 Cells through Targeting a miR-21â€“Peli1â€“c-Rel Pathway Prevents Autoimmunity. Journal of Immunology, 2020, 204, 3160-3170.	0.8	17
95	SARS-CoV-2-Encoded MiRNAs Inhibit Host Type I Interferon Pathway and Mediate Allelic Differential Expression of Susceptible Gene. Frontiers in Immunology, 2021, 12, 767726.	4.8	17
96	Long non-coding RNA expression profiles in neutrophils revealed potential biomarker for prediction of renal involvement in SLE patients. Rheumatology, 2021, 60, 1734-1746.	1.9	16
97	Sustained lowâ€dose interleukinâ€2 therapy alleviates pathogenic humoral immunity via elevating the Tfr/Tfh ratio in lupus. Clinical and Translational Immunology, 2021, 10, e1293.	3.8	16
98	Lupus enhancer risk variant causes dysregulation of IRF8 through cooperative lncRNA and DNA methylation machinery. Nature Communications, 2022, 13, 1855.	12.8	16
99	Posttranscriptional T cell gene regulation to limit Tfh cells and autoimmunity. Current Opinion in Immunology, 2015, 37, 21-27.	5.5	14
100	Interferon-Î± exacerbates neuropsychiatric phenotypes in lupus-prone mice. Arthritis Research and Therapy, 2019, 21, 205.	3.5	14
101	Bach2 attenuates IL-2R signaling to control Treg homeostasis and Tfr development. Cell Reports, 2021, 35, 109096.	6.4	14
102	MicroRNA-148a facilitates inflammatory dendritic cell differentiation and autoimmunity by targeting MAFB. JCI Insight, 2020, 5, .	5.0	14
103	Taurine Metabolism Aggravates the Progression of Lupus by Promoting the Function of Plasmacytoid Dendritic Cells. Arthritis and Rheumatology, 2020, 72, 2106-2117.	5.6	13
104	Glutamine metabolism is essential for the production of IL-17A in Î³Î´ T cells and skin inflammation. Tissue and Cell, 2021, 71, 101569.	2.2	12
105	Single-nucleotide polymorphisms and haplotype of CYP2E1 gene associated with systemic lupus erythematosus in Chinese population. Arthritis Research and Therapy, 2011, 13, R11.	3.5	11
106	The NCF1 variant p.R90H aggravates autoimmunity by facilitating the activation of plasmacytoid dendritic cells. Journal of Clinical Investigation, 2022, 132, .	8.2	11
107	Brief Report: Singleâ€nucleotide polymorphisms in <i>VKORC1</i> are risk factors for systemic lupus erythematosus in Asians. Arthritis and Rheumatism, 2013, 65, 211-215.	6.7	10
108	Systemic lupus erythematosus: A new autoimmune disorder in Kabuki syndrome. European Journal of Medical Genetics, 2019, 62, 103538.	1.3	10

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109	Two Distinct Immune Cell Signatures Predict the Clinical Outcomes in Patients With Amyopathic Dermatomyositis With Interstitial Lung Disease. Arthritis and Rheumatology, 2022, 74, 1822-1832.	5.6	10
110	A Novel Vector-Based Method for Exclusive Overexpression of Star-Form MicroRNAs. PLoS ONE, 2012, 7, e41504.	2.5	9
111	MicroRNA-499 Rs3746444 polymorphism and biliary atresia. Digestive and Liver Disease, 2016, 48, 423-428.	0.9	9
112	Biological insights into systemic lupus erythematosus through an immune cell-specific transcriptome-wide association study. Annals of the Rheumatic Diseases, 2022, 81, 1273-1280.	0.9	9
113	Supranutritional selenium suppresses ROSâ€induced generation of RANKLâ€expressing osteoclastogenic CD4⁺ TÂcells and ameliorates rheumatoid arthritis. Clinical and Translational Immunology, 2021, 10, e1338.	3.8	7
114	The MicroRNA <i>miR-22</i> Represses Th17 Cell Pathogenicity by Targeting PTEN-Regulated Pathways. ImmunoHorizons, 2020, 4, 308-318.	1.8	6
115	Downregulation of Renal Hsa-miR-127-3p Contributes to the Overactivation of Type I Interferon Signaling Pathway in the Kidney of Lupus Nephritis. Frontiers in Immunology, 2021, 12, 747616.	4.8	6
116	Evaluation of 12 different assays for detecting ANCA in Chinese patients with GPA and MPA: a multicenter study in China. Clinical Rheumatology, 2019, 38, 3477-3483.	2.2	5
117	AKT2 reduces IFNÎ²1 production to modulate antiviral responses and systemic lupus erythematosus. EMBO Journal, 2022, 41, e108016.	7.8	5
118	Urinary galectin-3 binding protein (G3BP) as a biomarker for disease activity and renal pathology characteristics in lupus nephritis. Arthritis Research and Therapy, 2022, 24, 77.	3.5	4
119	MicroRNA in Systemic Lupus Erythematosus. , 2016, , 231-236.		2
120	Expanding Roles of Noncoding RNAs in the Pathogenesis of Systemic Lupus Erythematosus. Current Rheumatology Reports, 2022, 24, 64-75.	4.7	2
121	Epigenetics of Lupus. , 2013, , 46-56.		1
122	Chest imaging manifestations in lupus nephritis. Clinical Rheumatology, 2014, 33, 817-823.	2.2	1
123	Genomic test ends a long diagnostic odyssey in a patient with resistance to thyroid hormones. Thyroid Research, 2019, 12, 7.	1.5	1
124	Effects of FTY720 on BXSB lupus-prone mice: a preliminary study. APLAR Journal of Rheumatology, 2007, 10, 214-220.	0.2	0
125	Epigenetics of Lupus. , 2019, , 69-85.		0
126	MicroRNA in systemic lupus erythematosus. , 2021, , 259-265.		0