

Joan E Wither

List of Publications by Year in descending order

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76
papers

3,877
citations

201674

27
h-index

133252

59
g-index

76
all docs

76
docs citations

76
times ranked

6582
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic association analyses implicate aberrant regulation of innate and adaptive immunity genes in the pathogenesis of systemic lupus erythematosus. <i>Nature Genetics</i> , 2015, 47, 1457-1464.	21.4	730
2	Genetic variants near TNFAIP3 on 6q23 are associated with systemic lupus erythematosus. <i>Nature Genetics</i> , 2008, 40, 1059-1061.	21.4	534
3	Common variants in the NLRP3 region contribute to Crohn's disease susceptibility. <i>Nature Genetics</i> , 2009, 41, 71-76.	21.4	448
4	Transancestral mapping and genetic load in systemic lupus erythematosus. <i>Nature Communications</i> , 2017, 8, 16021.	12.8	314
5	Occupational and environmental exposures and risk of systemic lupus erythematosus: silica, sunlight, solvents. <i>Rheumatology</i> , 2010, 49, 2172-2180.	1.9	142
6	Apoptotic cell-induced AhR activity is required for immunological tolerance and suppression of systemic lupus erythematosus in mice and humans. <i>Nature Immunology</i> , 2018, 19, 571-582.	14.5	137
7	The B-cell transmembrane protein CD72 binds to and is an in vivo substrate of the protein tyrosine phosphatase SHP-1. <i>Current Biology</i> , 1998, 8, 1009-1017.	3.9	125
8	Activated B Cells Express Increased Levels of Costimulatory Molecules in Young Autoimmune NZB and (NZB × NZW)F1 Mice. <i>Clinical Immunology</i> , 2000, 94, 51-63.	3.2	80
9	Prevalence and metric of depression and anxiety in systemic lupus erythematosus: A systematic review and meta-analysis. <i>Seminars in Arthritis and Rheumatism</i> , 2020, 50, 84-94.	3.4	69
10	Persistent proteinuria and dyslipidemia increase the risk of progressive chronic kidney disease in lupus erythematosus. <i>Kidney International</i> , 2011, 79, 914-920.	5.2	60
11	Expanded Population of Activated Antigen-Engaged Cells within the Naive B Cell Compartment of Patients with Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2008, 180, 1276-1284.	0.8	55
12	Genetic dissection of B cell traits in New Zealand black mice. The expanded population of B cells expressing up-regulated costimulatory molecules shows linkage to Nba2. <i>European Journal of Immunology</i> , 2000, 30, 356-365.	2.9	54
13	Evaluation of Clinical Outcomes and Renal Vascular Pathology among Patients with Lupus. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2012, 7, 757-764.	4.5	51
14	Immunization with an Apoptotic Cell-Binding Protein Recapitulates the Nephritis and Sequential Autoantibody Emergence of Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2006, 177, 6504-6516.	0.8	46
15	Colocalization of Expansion of the Splenic Marginal Zone Population with Abnormal B Cell Activation and Autoantibody Production in B6 Mice with an Introgressed New Zealand Black Chromosome 13 Interval. <i>Journal of Immunology</i> , 2005, 175, 4309-4319.	0.8	40
16	Identification of a neutrophil-related gene expression signature that is enriched in adult systemic lupus erythematosus patients with active nephritis: Clinical/pathologic associations and etiologic mechanisms. <i>PLoS ONE</i> , 2018, 13, e0196117.	2.5	40
17	Association of systemic lupus erythematosus (SLE) genetic susceptibility loci with lupus nephritis in childhood-onset and adult-onset SLE. <i>Rheumatology</i> , 2020, 59, 90-98.	1.9	40
18	Genetic engineering in primary human B cells with CRISPR-Cas9 ribonucleoproteins. <i>Journal of Immunological Methods</i> , 2018, 457, 33-40.	1.4	39

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19	Interferon- $\hat{\pm}$ induces altered transitional B cell signaling and function in Systemic Lupus Erythematosus. <i>Journal of Autoimmunity</i> , 2015, 58, 100-110.	6.5	38
20	Anti-nucleosome antibodies outperform traditional biomarkers as longitudinal indicators of disease activity in systemic lupus erythematosus. <i>Rheumatology</i> , 2015, 54, 449-457.	1.9	37
21	Reduced proportions of NKT cells are present in the relatives of lupus patients and are associated with autoimmunity. <i>Arthritis Research and Therapy</i> , 2008, 10, R108.	3.5	36
22	Presence of an interferon signature in individuals who are anti-nuclear antibody positive lacking a systemic autoimmune rheumatic disease diagnosis. <i>Arthritis Research and Therapy</i> , 2017, 19, 41.	3.5	34
23	Healthcare Cost and Loss of Productivity in a Canadian Population of Patients with and without Lupus Nephritis. <i>Journal of Rheumatology</i> , 2011, 38, 658-666.	2.0	32
24	Tolerance is overcome in beef insulin-transgenic mice by activation of low-affinity autoreactive T cells. <i>European Journal of Immunology</i> , 1996, 26, 601-609.	2.9	31
25	Increased Expression of B Cell Activation Factor Supports the Abnormal Expansion of Transitional B Cells in Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2011, 38, 642-651.	2.0	31
26	Altered Expression of TNF- $\hat{\pm}$ Signaling Pathway Proteins in Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2010, 37, 1658-1666.	2.0	30
27	Cancer Cells Hijack PRC2 to Modify Multiple Cytokine Pathways. <i>PLoS ONE</i> , 2015, 10, e0126466.	2.5	29
28	Functional Dissection of Lupus Susceptibility Loci on the New Zealand Black Mouse Chromosome 1: Evidence for Independent Genetic Loci Affecting T and B Cell Activation. <i>Journal of Immunology</i> , 2003, 171, 1697-1706.	0.8	28
29	Molecular Markers of Injury in Kidney Biopsy Specimens of Patients with Lupus Nephritis. <i>Journal of Molecular Diagnostics</i> , 2011, 13, 143-151.	2.8	28
30	Aberrant IgM Signaling Promotes Survival of Transitional T1 B Cells and Prevents Tolerance Induction in Lupus-Prone New Zealand Black Mice. <i>Journal of Immunology</i> , 2005, 175, 7363-7371.	0.8	27
31	Anti-dsDNA and Antichromatin Antibody Isotypes in Serologically Active Clinically Quiescent Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2015, 42, 810-816.	2.0	27
32	A discrete cluster of urinary biomarkers discriminates between active systemic lupus erythematosus patients with and without glomerulonephritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 218.	3.5	27
33	The baseline interferon signature predicts disease severity over the subsequent 5 years in systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , 2021, 23, 29.	3.5	27
34	The presence of anti-nuclear antibodies alone is associated with changes in B cell activation and T follicular helper cells similar to those in systemic autoimmune rheumatic disease. <i>Arthritis Research and Therapy</i> , 2018, 20, 264.	3.5	26
35	Validity Evidence for the Use of Automated Neuropsychologic Assessment Metrics As a Screening Tool for Cognitive Impairment in Systemic Lupus Erythematosus. <i>Arthritis Care and Research</i> , 2020, 72, 1809-1819.	3.4	24
36	Insights into the genetic basis and immunopathogenesis of systemic lupus erythematosus from the study of mouse models. <i>Seminars in Immunology</i> , 2009, 21, 372-382.	5.6	21

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37	Rethinking Lupus Nephritis Classification on a Molecular Level. <i>Journal of Clinical Medicine</i> , 2019, 8, 1524.	2.4	21
38	Lymphocytic Infiltration and Immune Activation in Metallothionein Promoter-Exendin-4 (MT-Exendin) Transgenic Mice. <i>Diabetes</i> , 2006, 55, 1562-1570.	0.6	19
39	Relationship Between Genetic Risk and Age of Diagnosis in Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2021, 48, 852-858.	2.0	19
40	Autoreactive B Cells in Lupus-Prone New Zealand Black Mice Exhibit Aberrant Survival and Proliferation in the Presence of Self-Antigen In Vivo. <i>Journal of Immunology</i> , 2004, 172, 1553-1560.	0.8	18
41	Lack of Interferon and Proinflammatory Cyto/chemokines in Serologically Active Clinically Quiescent Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2015, 42, 2318-2326.	2.0	18
42	Abrogation of pathogenic IgG autoantibody production in CD40L gene-deleted lupus-prone New Zealand Black mice. <i>Clinical Immunology</i> , 2011, 139, 215-227.	3.2	16
43	Experimental evidence that mutated-self peptides derived from mitochondrial DNA somatic mutations have the potential to trigger autoimmunity. <i>Human Immunology</i> , 2014, 75, 873-879.	2.4	16
44	The Use of Micronutrient Supplements Is Not Associated with Better Quality of Life and Disease Activity in Canadian Patients with Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2010, 37, 87-90.	2.0	15
45	IL-10 Production Is Critical for Sustaining the Expansion of CD5+ B and NKT Cells and Restraining Autoantibody Production in Congenic Lupus-Prone Mice. <i>PLoS ONE</i> , 2016, 11, e0150515.	2.5	15
46	Functional Interplay between Intrinsic B and T Cell Defects Leads to Amplification of Autoimmune Disease in New Zealand Black Chromosome 1 Congenic Mice. <i>Journal of Immunology</i> , 2005, 175, 8154-8164.	0.8	13
47	A tyrosine sulfation-dependent HLA-I modification identifies memory B cells and plasma cells. <i>Science Advances</i> , 2018, 4, eaar7653.	10.3	13
48	Fatigue severity in anti-nuclear antibody-positive individuals does not correlate with pro-inflammatory cytokine levels or predict imminent progression to symptomatic disease. <i>Arthritis Research and Therapy</i> , 2019, 21, 223.	3.5	13
49	B Cell Activating Factor (BAFF) and T Cells Cooperate to Breach B Cell Tolerance in Lupus-Prone New Zealand Black (NZB) Mice. <i>PLoS ONE</i> , 2010, 5, e11691.	2.5	12
50	Both MHC and background gene heterozygosity alter T cell receptor repertoire selection in an antigen-specific response. <i>Molecular Immunology</i> , 1995, 32, 1355-1367.	2.2	11
51	Patients with systemic autoimmune diseases could not distinguish comorbidities from their index disease. <i>Journal of Clinical Epidemiology</i> , 2008, 61, 654-662.	5.0	11
52	Longitudinal relationships between cognitive domains and depression and anxiety symptoms in systemic lupus erythematosus. <i>Seminars in Arthritis and Rheumatism</i> , 2021, 51, 1186-1192.	3.4	11
53	Dissociation of the Genetic Loci Leading to B1a and NKT Cell Expansions from Autoantibody Production and Renal Disease in B6 Mice with an Introgressed New Zealand Black Chromosome 4 Interval. <i>Journal of Immunology</i> , 2007, 178, 1608-1617.	0.8	10
54	Bone Marrow-derived Human Hematopoietic Stem Cells Engraft NOD/SCID Mice and Traffic Appropriately to an Inflammatory Stimulus in the Joint. <i>Journal of Rheumatology</i> , 2010, 37, 496-502.	2.0	10

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55	TLR Tolerance Reduces IFN-Alpha Production Despite Plasmacytoid Dendritic Cell Expansion and Anti-Nuclear Antibodies in NZB Bicongenic Mice. <i>PLoS ONE</i> , 2012, 7, e36761.	2.5	10
56	An intrinsic B cell defect supports autoimmunity in New Zealand black chromosome 13 congenic mice. <i>European Journal of Immunology</i> , 2011, 41, 527-536.	2.9	9
57	Epistatic Suppression of Fatal Autoimmunity in New Zealand Black Bicongenic Mice. <i>Journal of Immunology</i> , 2011, 186, 5845-5853.	0.8	8
58	Serological abnormalities that predict progression to systemic autoimmune rheumatic diseases in antinuclear antibody positive individuals. <i>Rheumatology</i> , 2022, 61, 1092-1105.	1.9	8
59	T Cell and Dendritic Cell Abnormalities Synergize to Expand Pro-Inflammatory T Cell Subsets Leading to Fatal Autoimmunity in B6.NZBc1 Lupus-Prone Mice. <i>PLoS ONE</i> , 2013, 8, e75166.	2.5	6
60	Invariant NKT Cell Activation Is Potentiated by Homotypic trans-Ly108 Interactions. <i>Journal of Immunology</i> , 2017, 198, 3949-3962.	0.8	6
61	Development, Sensibility, and Validity of a Systemic Autoimmune Rheumatic Disease Case Ascertainment Tool. <i>Journal of Rheumatology</i> , 2017, 44, 18-23.	2.0	6
62	Identification and Validation of a Urinary Biomarker Panel to Accurately Diagnose and Predict Response to Therapy in Lupus Nephritis. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	5
63	Immune mechanisms leading to abnormal B cell selection and activation in New Zealand Black mice. <i>European Journal of Immunology</i> , 2007, 37, 2645-2656.	2.9	4
64	Identification of the SLAM Adapter Molecule EAT-2 as a Lupus-Susceptibility Gene That Acts through Impaired Negative Regulation of Dendritic Cell Signaling. <i>Journal of Immunology</i> , 2015, 195, 4623-4631.	0.8	4
65	Multiple tolerance defects contribute to the breach of B cell tolerance in New Zealand Black chromosome 1 congenic mice. <i>PLoS ONE</i> , 2017, 12, e0179506.	2.5	3
66	Genetic dissection of B cell traits in New Zealand black mice. The expanded population of B cells expressing up-regulated costimulatory molecules shows linkage to Nba2. , 2000, 30, 356.		3
67	Immunoglobulin G Subclass Analysis in Psoriatic Arthritis. <i>Journal of Rheumatology</i> , 2014, 41, 2421-2424.	2.0	2
68	Insight into intraindividual variability across neuropsychological tests and its association with cognitive dysfunction in patients with lupus. <i>Lupus Science and Medicine</i> , 2021, 8, e000511.	2.7	2
69	Altered Balance of Pro-Inflammatory Immune Cells to T Regulatory Cells Differentiates Symptomatic From Asymptomatic Individuals With Anti-Nuclear Antibodies. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	2
70	Regulation of B Cell Migration and Location in Response to Antigens. , 2016, , 166-174.		1
71	Molecular basis of antigen recognition by insulin specific T cell receptor. <i>Immunology Letters</i> , 2004, 91, 133-139.	2.5	0
72	CS-37 Prevalence of cognitive impairment in systemic lupus erythematosus assessed by a comprehensive neuropsychological battery. , 2018, , .		0

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73	Impaired B cell anergy is not sufficient to breach tolerance to nuclear antigen in VÎ¸8/3H9 lupus-prone mice. PLoS ONE, 2020, 15, e0236664.	2.5	0
74	Introduction: Metrics and Domains Measured in SLE. , 2021, , 1-28.		0
75	Bone marrow cell intrinsic defect drives autoimmunity in New Zealand Black chromosome 13 congenic mice. FASEB Journal, 2008, 22, 667.14.	0.5	0
76	1501â€¦Genetics of age at systemic lupus erythematosus diagnosis. , 2021, , .		0