Ann Marshak-Rothstein

List of Publications by Year
in descending order

85	12,492	66234	54797
papers	citations	42 h-index	84 g-index

86	86	86	12005
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chromatinâ€“IgG complexes activate B cells by dual engagement of IgM and Toll-like receptors. Nature, 2002, 416, 603-607.	13.7	1,767
2	Fas(CD95)/FasL interactions required for programmed cell death after T-cell activation. Nature, 1995, 373, 444-448.	13.7	1,485
3	Toll-like receptor 9â€“dependent activation by DNA-containing immune complexes is mediated by HMGB1 and RAGE. Nature Immunology, 2007, 8, 487-496.	7.0	1,210
4	Toll-like receptors in systemic autoimmune disease. Nature Reviews Immunology, 2006, 6, 823-835.	10.6	988
5	RNA-associated autoantigens activate B cells by combined B cell antigen receptor/Toll-like receptor 7 engagement. Journal of Experimental Medicine, 2005, 202, 1171-1177.	4.2	730
6	The adaptor ASC has extracellular and 'prionoid' activities that propagate inflammation. Nature Immunology, 2014, 15, 727-737.	7.0	651
7	Activation of Autoreactive B Cells by CpG dsDNA. Immunity, 2003, 19, 837-847.	6.6	492
8	Toll-like Receptor 9â€“Dependent and â€“Independent Dendritic Cell Activation by Chromatinâ€“Immunoglobulin G Complexes. Journal of Experimental Medicine, 2004, 199, 1631-1640.	4.2	476
9	Toll-like receptors, endogenous ligands, and systemic autoimmune disease. Immunological Reviews, 2005, 204, 27-42.	2.8	368
10	Immunologically Active Autoantigens: The Role of Toll-Like Receptors in the Development of Chronic Inflammatory Disease. Annual Review of Immunology, 2007, 25, 419-441.	9.5	357
11	Cutting Edge: FAS (CD95) Mediates Noncanonical IL-1Î² and IL-18 Maturation via Caspase-8 in an RIP3-Independent Manner. Journal of Immunology, 2012, 189, 5508-5512.	0.4	254
12	Opposing Effects of Transmembrane and Soluble FAS Ligand Expression on Inflammation and Tumor Cell Survival. Journal of Experimental Medicine, 2000, 191, 1209-1220.	4.2	215
13	Role of type I interferons in the activation of autoreactive B cells. Immunology and Cell Biology, 2012, 90, 498-504.	1.0	182
14	Toll-like receptor driven B cell activation in the induction of systemic autoimmunity. Seminars in Immunology, 2011, 23, 106-112.	2.7	172
15	Murine Dendritic Cell Type I IFN Production Induced by Human IgG-RNA Immune Complexes Is IFN Regulatory Factor (IRF)5 and IRF7 Dependent and Is Required for IL-6 Production. Journal of Immunology, 2007, 178, 6876-6885.	0.4	157
16	Fas Ligand Engagement of Resident Peritoneal Macrophages In Vivo Induces Apoptosis and the Production of Neutrophil Chemotactic Factors. Journal of Immunology, 2001, 167, 6217-6224.	0.4	142
17	Suppression of systemic autoimmunity by the innate immune adaptor STING. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E710-7.	3.3	139
18	Poly(I:C) Drives Type I IFN- and TGFÎ²-Mediated Inflammation and Dermal Fibrosis Simulating Altered Gene Expression in Systemic Sclerosis. Journal of Investigative Dermatology, 2010, 130, 2583-2593.	0.3	121

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19	Murine B Cell Response to TLR7 Ligands Depends on an IFN-Î² Feedback Loop. Journal of Immunology, 2009, 183, 1569-1576.	0.4	119
20	Requirement for DNA CpG Content in TLR9-Dependent Dendritic Cell Activation Induced by DNA-Containing Immune Complexes. Journal of Immunology, 2009, 183, 3109-3117.	0.4	104
21	Regulation of autoreactive B cell responses to endogenous TLR ligands. Autoimmunity, 2010, 43, 76-83.	1.2	103
22	The Chaperone UNC93B1 Regulates Toll-like Receptor Stability Independently of Endosomal TLR Transport. Immunity, 2018, 48, 911-922.e7.	6.6	92
23	IFN Regulatory Factor 5 Is Required for Disease Development in the FcÎ³RIIBâ^'/â^'Yaa and FcÎ³RIIBâ^'/â^' Mouse Models of Systemic Lupus Erythematosus. Journal of Immunology, 2010, 184, 796-806.	0.4	91
24	Cutting Edge: AIM2 and Endosomal TLRs Differentially Regulate Arthritis and Autoantibody Production in DNase IIâ€“Deficient Mice. Journal of Immunology, 2015, 194, 873-877.	0.4	88
25	A small peptide antagonist of the Fas receptor inhibits neuroinflammation and prevents axon degeneration and retinal ganglion cell death in an inducible mouse model of glaucoma. Journal of Neuroinflammation, 2019, 16, 184.	3.1	87
26	Hierarchy of clinical manifestations in SAVI N153S and V154M mouse models. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7941-7950.	3.3	83
27	Membrane Fas Ligand Activates Innate Immunity and Terminates Ocular Immune Privilege. Journal of Immunology, 2002, 169, 2727-2735.	0.4	80
28	Autoreactive B Cells Discriminate CpG-Rich and CpG-Poor DNA and This Response Is Modulated by IFN-Î±. Journal of Immunology, 2008, 181, 5875-5884.	0.4	78
29	Opposing Roles for Membrane Bound and Soluble Fas Ligand in Glaucoma-Associated Retinal Ganglion Cell Death. PLoS ONE, 2011, 6, e17659.	1.1	77
30	A TLR9-dependent checkpoint governs B cell responses to DNA-containing antigens. Journal of Clinical Investigation, 2017, 127, 1651-1663.	3.9	75
31	Immune Complexes Present in the Sera of Autoimmune Mice Activate Rheumatoid Factor B Cells. Journal of Immunology, 2000, 165, 1626-1633.	0.4	72
32	Nucleic Acidâ€“Sensing Receptors: Rheostats of Autoimmunity and Autoinflammation. Journal of Immunology, 2015, 195, 3507-3512.	0.4	68
33	Functional Outcome of B Cell Activation by Chromatin Immune Complex Engagement of the B Cell Receptor and TLR9. Journal of Immunology, 2007, 179, 7397-7405.	0.4	64
34	FasL promoter activation by IL-2 through SP1 and NFAT but not Egr-2 and Egr-3. European Journal of Immunology, 1999, 29, 3456-3465.	1.6	55
35	TRAIL expression in vascular smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L1045-L1050.	1.3	55
36	Activation of Autoreactive B Cells by Endogenous TLR7 and TLR3 RNA Ligands. Journal of Biological Chemistry, 2012, 287, 39789-39799.	1.6	55

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37	Cell-Intrinsic Expression of TLR9 in Autoreactive B Cells Constrains BCR/TLR7-Dependent Responses. Journal of Immunology, 2015, 194, 2504-2512.	0.4	54
38	Oligoclonality of rheumatoid factors arising spontaneously in lpr/lpr mice. Clinical Immunology and Immunopathology, 1988, 46, 382-395.	2.1	51
39	Cutting Edge: DNase II Deficiency Prevents Activation of Autoreactive B Cells by Double-Stranded DNA Endogenous Ligands. Journal of Immunology, 2015, 194, 1403-1407.	0.4	51
40	TLR9 Deficiency Leads to Accelerated Renal Disease and Myeloid Lineage Abnormalities in Pristane-Induced Murine Lupus. Journal of Immunology, 2016, 197, 1044-1053.	0.4	51
41	DNA-like class R inhibitory oligonucleotides (INH-ODNs) preferentially block autoantigen-induced B-cell and dendritic cell activation in vitro and autoantibody production in lupus-prone MRL-Faslpr/lpr mice in vivo. Arthritis Research and Therapy, 2009, 11, R79.	1.6	48
42	RAGE-independent autoreactive B cell activation in response to chromatin and HMGB1/DNA immune complexes. Autoimmunity, 2010, 43, 103-110.	1.2	48
43	Dysbiosis exacerbates colitis by promoting ubiquitination and accumulation of the innate immune adaptor STING in myeloid cells. Immunity, 2021, 54, 1137-1153.e8.	6.6	46
44	Overexpression of Soluble Fas Ligand following Adeno-Associated Virus Gene Therapy Prevents Retinal Ganglion Cell Death in Chronic and Acute Murine Models of Glaucoma. Journal of Immunology, 2016, 197, 4626-4638.	0.4	43
45	Fas (CD95)/Fas ligand interactions regulate antigen-specific, major histocompatibility complex-restricted T/B cell proliferative responses. European Journal of Immunology, 1996, 26, 415-419.	1.6	41
46	Fas ligand promotes an inducible TLR-dependent model of cutaneous lupusâ€“like inflammation. Journal of Clinical Investigation, 2018, 128, 2966-2978.	3.9	41
47	IL-21 Promotes Pulmonary Fibrosis through the Induction of Profibrotic CD8+ T Cells. Journal of Immunology, 2015, 195, 5251-5260.	0.4	40
48	Differential Cytokine Production and Bystander Activation of Autoreactive B Cells in Response to CpG-A and CpG-B Oligonucleotides. Journal of Immunology, 2009, 183, 6262-6268.	0.4	39
49	Cutting Edge: The UNC93B1 Tyrosine-Based Motif Regulates Trafficking and TLR Responses via Separate Mechanisms. Journal of Immunology, 2014, 193, 3257-3261.	0.4	37
50	Gadolinium-based compounds induce NLRP3-dependent IL-1Î² production and peritoneal inflammation. Annals of the Rheumatic Diseases, 2015, 74, 2062-2069.	0.5	37
51	Comparison of CpG s-ODNs, chromatin immune complexes, and dsDNA fragment immune complexes in the TLR9-dependent activation of rheumatoid factor B cells. Journal of Endotoxin Research, 2004, 10, 247-251.	2.5	36
52	Dendritic Cell RIPK1 Maintains Immune Homeostasis by Preventing Inflammation and Autoimmunity. Journal of Immunology, 2018, 200, 737-748.	0.4	30
53	cGAS-STING Pathway Does Not Promote Autoimmunity in Murine Models of SLE. Frontiers in Immunology, 2021, 12, 605930.	2.2	30
54	The effect of VH residues 6 and 23 on IgG3 cryoprecipitation and glomerular deposition. European Journal of Immunology, 1995, 25, 279-284.	1.6	29

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55	STING Contributes to Abnormal Bone Formation Induced by Deficiency of DNase II in Mice. Arthritis and Rheumatology, 2017, 69, 460-471.	2.9	27
56	The stimulation of Toll-like receptors by nuclear antigens: a link between apoptosis and autoimmunity. Rheumatic Disease Clinics of North America, 2004, 30, 559-574.	0.8	24
57	Unique site of IgG2a and rheumatoid factor production in MRL/lpr mice. Immunological Reviews, 1997, 156, 103-110.	2.8	21
58	FcÎ³RIIB regulation of BCR/TLRâ€dependent autoreactive Bâ€cell responses. European Journal of Immunology, 2010, 40, 2692-2698.	1.6	21
59	Selective binding of anti-DNA antibodies to native dsDNA fragments of differing sequence. Immunology Letters, 2012, 143, 85-91.	1.1	21
60	Molecular pattern recognition in peripheral B cell tolerance: lessons from age-associated B cells. Current Opinion in Immunology, 2019, 61, 33-38.	2.4	18
61	Advances in Cutaneous Lupus Erythematosus and Dermatomyositis: A Report from the 4th International Conference on Cutaneous Lupus Erythematosusâ€"An Ongoing Need for International Consensus and Collaborations. Journal of Investigative Dermatology, 2019, 139, 270-276.	0.3	18
62	Toll-Like Receptor-Dependent Immune Complex Activation of B Cells and Dendritic Cells. Methods in Molecular Biology, 2009, 517, 363-380.	0.4	18
63	Tolling for Autoimmunityâ€"Prime Time for 7. Immunity, 2006, 25, 397-399.	6.6	17
64	DNA and RNA autoantigens as autoadjuvants. Journal of Endotoxin Research, 2006, 12, 379-384.	2.5	16
65	Protection of T cells from activation-induced cell death by Fas+ B cells. European Journal of Immunology, 2000, 30, 931-937.	1.6	13
66	Beyond transitional selection: New roles for BLyS in peripheral tolerance. Drug Development Research, 2011, 72, 779-787.	1.4	13
67	Soluble Fas ligand blocks destructive corneal inflammation in mouse models of corneal epithelial debridement and LPS induced keratitis. Experimental Eye Research, 2019, 179, 47-54.	1.2	13
68	Autoreactive helper T cells alleviate the need for intrinsic TLR signaling in autoreactive B cell activation. JCI Insight, 2017, 2, e90870.	2.3	13
69	The role of Bruton's tyrosine kinase in the development and BCR/TLR-dependent activation of AM14 rheumatoid factor B cells. Journal of Leukocyte Biology, 2013, 94, 865-875.	1.5	12
70	Taking the STING out of TLR-driven autoimmune diseases: good, bad, or indifferent?. Journal of Leukocyte Biology, 2017, 101, 121-126.	1.5	12
71	Synergy between Hematopoietic and Radioresistant Stromal Cells Is Required for Autoimmune Manifestations of DNase IIâ^'/â^'IFNaRâ^'/â^' Mice. Journal of Immunology, 2016, 196, 1348-1354.	0.4	11
72	Toll-Like Receptor-Dependent Immune Complex Activation of B Cells and Dendritic Cells. Methods in Molecular Biology, 2016, 1390, 249-272.	0.4	11

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73	Sp1 is the majorfaslgene activator in abnormal CD4-CD8-B220+ T cells oflprandgldmice. European Journal of Immunology, 2001, 31, 3339-3348.	1.6	10
74	Role of Interferonâ€Î³â€“Producing Th1 Cells in a Murine Model of Type I Interferonâ€“Independent Autoinflammation Resulting From DN ase II Deficiency. Arthritis and Rheumatology, 2020, 72, 359-370.	2.9	9
75	Double mutant MRL-lpr/lpr-gld/gld cells fail to trigger lpr-graft-versus-host disease in syngeneic wild-type recipient mice, but can induce wild-type B cells to make auto-antibody. European Journal of Immunology, 2000, 30, 1778-1784.	1.6	8
76	Autoimmunity â€“ promoting and stabilizing innate immunity â€˜UNWUCHTâ€™. Immunological Reviews, 2016, 269, 7-10.	2.8	6
77	The role of nucleic acid sensors and type I IFNs in patient populations and animal models of autoinflammation. Current Opinion in Immunology, 2019, 61, 74-79.	2.4	5
78	Isolation of self-recognizing IgG2a monoclonal rheumatoid factors. Clinical Immunology and Immunopathology, 1989, 52, 313-322.	2.1	4
79	Editorial overview. Current Opinion in Immunology, 2013, 25, 667-669.	2.4	4
80	Resistance to lymphoid engraftment inlpr recipients of normal bone marrow: characterization of chimeric stem cell, monocyte and peripheral lymphoid lineages. European Journal of Immunology, 1990, 20, 1917-1925.	1.6	3
81	An unexpected role for RNA-sensing toll-like receptors in a murine model of DNA accrual. Clinical and Experimental Rheumatology, 2015, 33, S70-3.	0.4	3
82	Interplay of Cyclic GMP-AMP Synthase/Stimulator of IFN Genes and Toll-Like Receptor Nucleic Acid Sensing Pathways in Autoinflammation and Abnormal Bone Formation due to DNaseII-Deficiency. Viral Immunology, 2020, 33, 246-249.	0.6	2
83	The FasLane to ocular pathologyâ€”metalloproteinase cleavage of membraneâ€bound FasL determines FasL function. Journal of Leukocyte Biology, 2021, 110, 965-977.	1.5	2
84	Cross-Reactive Antigen Expressed by B6 Splenocytes Drives Receptor Editing and Marginal Zone Differentiation of IgG2a-Reactive AM14 Vl°8 B Cells. Journal of Immunology, 2019, 203, 2055-2062.	0.4	1
85	Hierarchical requirement for CpG Motifs in dendritic cell activation induced by DNAâ€containing immuneâ€complexes. FASEB Journal, 2008, 22, 668.23.	0.2	0