

# Ann Marshak-Rothstein

## List of Publications by Year in descending order

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85  
papers

12,492  
citations

66234

42  
h-index

54797

84  
g-index

86  
all docs

86  
docs citations

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times ranked

12005  
citing authors

#	ARTICLE	IF	CITATIONS
1	The FasLane to ocular pathologyâ€”metalloproteinase cleavage of membraneâ€bound FasL determines FasL function. <i>Journal of Leukocyte Biology</i> , 2021, 110, 965-977.	1.5	2
2	cGAS-STING Pathway Does Not Promote Autoimmunity in Murine Models of SLE. <i>Frontiers in Immunology</i> , 2021, 12, 605930.	2.2	30
3	Dysbiosis exacerbates colitis by promoting ubiquitination and accumulation of the innate immune adaptor STING in myeloid cells. <i>Immunity</i> , 2021, 54, 1137-1153.e8.	6.6	46
4	Role of Interferonâ€³â€Producing Th1 Cells in a Murine Model of Type I Interferonâ€Independent Autoinflammation Resulting From DNase II Deficiency. <i>Arthritis and Rheumatology</i> , 2020, 72, 359-370.	2.9	9
5	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. <i>Viral Immunology</i> , 2020, 33, 246-249.	0.6	2
6	The role of nucleic acid sensors and type I IFNs in patient populations and animal models of autoinflammation. <i>Current Opinion in Immunology</i> , 2019, 61, 74-79.	2.4	5
7	Molecular pattern recognition in peripheral B cell tolerance: lessons from age-associated B cells. <i>Current Opinion in Immunology</i> , 2019, 61, 33-38.	2.4	18
8	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. <i>Journal of Neuroinflammation</i> , 2019, 16, 184.	3.1	87
9	Hierarchy of clinical manifestations in SAVI N153S and V154M mouse models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7941-7950.	3.3	83
10	Cross-Reactive Antigen Expressed by B6 Splenocytes Drives Receptor Editing and Marginal Zone Differentiation of IgG2a-Reactive AM14 VÎ¸8 B Cells. <i>Journal of Immunology</i> , 2019, 203, 2055-2062.	0.4	1
11	Soluble Fas ligand blocks destructive corneal inflammation in mouse models of corneal epithelial debridement and LPS induced keratitis. <i>Experimental Eye Research</i> , 2019, 179, 47-54.	1.2	13
12	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. <i>Journal of Investigative Dermatology</i> , 2019, 139, 270-276.	0.3	18
13	Dendritic Cell RIPK1 Maintains Immune Homeostasis by Preventing Inflammation and Autoimmunity. <i>Journal of Immunology</i> , 2018, 200, 737-748.	0.4	30
14	The Chaperone UNC93B1 Regulates Toll-like Receptor Stability Independently of Endosomal TLR Transport. <i>Immunity</i> , 2018, 48, 911-922.e7.	6.6	92
15	Fas ligand promotes an inducible TLR-dependent model of cutaneous lupusâ€like inflammation. <i>Journal of Clinical Investigation</i> , 2018, 128, 2966-2978.	3.9	41
16	STING Contributes to Abnormal Bone Formation Induced by Deficiency of DNase II in Mice. <i>Arthritis and Rheumatology</i> , 2017, 69, 460-471.	2.9	27
17	Taking the STING out of TLR-driven autoimmune diseases: good, bad, or indifferent?. <i>Journal of Leukocyte Biology</i> , 2017, 101, 121-126.	1.5	12
18	Autoreactive helper T cells alleviate the need for intrinsic TLR signaling in autoreactive B cell activation. <i>JCI Insight</i> , 2017, 2, e90870.	2.3	13

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19	A TLR9-dependent checkpoint governs B cell responses to DNA-containing antigens. <i>Journal of Clinical Investigation</i> , 2017, 127, 1651-1663.	3.9	75
20	TLR9 Deficiency Leads to Accelerated Renal Disease and Myeloid Lineage Abnormalities in Pristane-Induced Murine Lupus. <i>Journal of Immunology</i> , 2016, 197, 1044-1053.	0.4	51
21	Autoimmunity â€“ promoting and stabilizing innate immunity â€“UNWUCHTâ€™. <i>Immunological Reviews</i> , 2016, 269, 7-10.	2.8	6
22	Overexpression of Soluble Fas Ligand following Adeno-Associated Virus Gene Therapy Prevents Retinal Ganglion Cell Death in Chronic and Acute Murine Models of Glaucoma. <i>Journal of Immunology</i> , 2016, 197, 4626-4638.	0.4	43
23	Synergy between Hematopoietic and Radioresistant Stromal Cells Is Required for Autoimmune Manifestations of DNase II <sup>-/-</sup> /IFN $\alpha$ <sup>-/-</sup> Mice. <i>Journal of Immunology</i> , 2016, 196, 1348-1354.	0.4	11
24	Toll-Like Receptor-Dependent Immune Complex Activation of B Cells and Dendritic Cells. <i>Methods in Molecular Biology</i> , 2016, 1390, 249-272.	0.4	11
25	Suppression of systemic autoimmunity by the innate immune adaptor STING. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E710-7.	3.3	139
26	Cutting Edge: AIM2 and Endosomal TLRs Differentially Regulate Arthritis and Autoantibody Production in DNase II <sup>-/-</sup> Deficient Mice. <i>Journal of Immunology</i> , 2015, 194, 873-877.	0.4	88
27	Cutting Edge: DNase II Deficiency Prevents Activation of Autoreactive B Cells by Double-Stranded DNA Endogenous Ligands. <i>Journal of Immunology</i> , 2015, 194, 1403-1407.	0.4	51
28	Cell-Intrinsic Expression of TLR9 in Autoreactive B Cells Constrains BCR/TLR7-Dependent Responses. <i>Journal of Immunology</i> , 2015, 194, 2504-2512.	0.4	54
29	IL-21 Promotes Pulmonary Fibrosis through the Induction of Profibrotic CD8 <sup>+</sup> T Cells. <i>Journal of Immunology</i> , 2015, 195, 5251-5260.	0.4	40
30	Nucleic Acid <sup>-</sup> Sensing Receptors: Rheostats of Autoimmunity and Autoinflammation. <i>Journal of Immunology</i> , 2015, 195, 3507-3512.	0.4	68
31	Gadolinium-based compounds induce NLRP3-dependent IL-1 $\beta$ production and peritoneal inflammation. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 2062-2069.	0.5	37
32	An unexpected role for RNA-sensing toll-like receptors in a murine model of DNA accrual. <i>Clinical and Experimental Rheumatology</i> , 2015, 33, S70-3.	0.4	3
33	Cutting Edge: The UNC93B1 Tyrosine-Based Motif Regulates Trafficking and TLR Responses via Separate Mechanisms. <i>Journal of Immunology</i> , 2014, 193, 3257-3261.	0.4	37
34	The adaptor ASC has extracellular and 'prionoid' activities that propagate inflammation. <i>Nature Immunology</i> , 2014, 15, 727-737.	7.0	651
35	Editorial overview. <i>Current Opinion in Immunology</i> , 2013, 25, 667-669.	2.4	4
36	The role of Bruton's tyrosine kinase in the development and BCR/TLR-dependent activation of AM14 rheumatoid factor B cells. <i>Journal of Leukocyte Biology</i> , 2013, 94, 865-875.	1.5	12

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37	Role of type I interferons in the activation of autoreactive B cells. <i>Immunology and Cell Biology</i> , 2012, 90, 498-504.	1.0	182
38	Activation of Autoreactive B Cells by Endogenous TLR7 and TLR3 RNA Ligands. <i>Journal of Biological Chemistry</i> , 2012, 287, 39789-39799.	1.6	55
39	Cutting Edge: FAS (CD95) Mediates Noncanonical IL-1 $\beta$ and IL-18 Maturation via Caspase-8 in an RIP3-Independent Manner. <i>Journal of Immunology</i> , 2012, 189, 5508-5512.	0.4	254
40	Selective binding of anti-DNA antibodies to native dsDNA fragments of differing sequence. <i>Immunology Letters</i> , 2012, 143, 85-91.	1.1	21
41	Opposing Roles for Membrane Bound and Soluble Fas Ligand in Glaucoma-Associated Retinal Ganglion Cell Death. <i>PLoS ONE</i> , 2011, 6, e17659.	1.1	77
42	Toll-like receptor driven B cell activation in the induction of systemic autoimmunity. <i>Seminars in Immunology</i> , 2011, 23, 106-112.	2.7	172
43	Beyond transitional selection: New roles for BlyS in peripheral tolerance. <i>Drug Development Research</i> , 2011, 72, 779-787.	1.4	13
44	Fc $\gamma$ RIIB regulation of BCR/TLR-dependent autoreactive B cell responses. <i>European Journal of Immunology</i> , 2010, 40, 2692-2698.	1.6	21
45	Poly(I:C) Drives Type I IFN- and TGF $\beta$ -Mediated Inflammation and Dermal Fibrosis Simulating Altered Gene Expression in Systemic Sclerosis. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2583-2593.	0.3	121
46	IFN Regulatory Factor 5 Is Required for Disease Development in the Fc $\gamma$ RIIB $^{-/-}$ Yaa and Fc $\gamma$ RIIB $^{-/-}$ Mouse Models of Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2010, 184, 796-806.	0.4	91
47	Regulation of autoreactive B cell responses to endogenous TLR ligands. <i>Autoimmunity</i> , 2010, 43, 76-83.	1.2	103
48	RAGE-independent autoreactive B cell activation in response to chromatin and HMGB1/DNA immune complexes. <i>Autoimmunity</i> , 2010, 43, 103-110.	1.2	48
49	Differential Cytokine Production and Bystander Activation of Autoreactive B Cells in Response to CpG-A and CpG-B Oligonucleotides. <i>Journal of Immunology</i> , 2009, 183, 6262-6268.	0.4	39
50	Murine B Cell Response to TLR7 Ligands Depends on an IFN- $\beta$ Feedback Loop. <i>Journal of Immunology</i> , 2009, 183, 1569-1576.	0.4	119
51	Requirement for DNA CpG Content in TLR9-Dependent Dendritic Cell Activation Induced by DNA-Containing Immune Complexes. <i>Journal of Immunology</i> , 2009, 183, 3109-3117.	0.4	104
52	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-Fas <sup>lpr</sup> /lpr mice in vivo. <i>Arthritis Research and Therapy</i> , 2009, 11, R79.	1.6	48
53	Toll-Like Receptor-Dependent Immune Complex Activation of B Cells and Dendritic Cells. <i>Methods in Molecular Biology</i> , 2009, 517, 363-380.	0.4	18
54	Autoreactive B Cells Discriminate CpG-Rich and CpG-Poor DNA and This Response Is Modulated by IFN- $\beta$ . <i>Journal of Immunology</i> , 2008, 181, 5875-5884.	0.4	78

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55	Hierarchical requirement for CpG Motifs in dendritic cell activation induced by DNA-containing immune-complexes. <i>FASEB Journal</i> , 2008, 22, 668.23.	0.2	0
56	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. <i>Journal of Immunology</i> , 2007, 178, 6876-6885.	0.4	157
57	Functional Outcome of B Cell Activation by Chromatin Immune Complex Engagement of the B Cell Receptor and TLR9. <i>Journal of Immunology</i> , 2007, 179, 7397-7405.	0.4	64
58	Immunologically Active Autoantigens: The Role of Toll-Like Receptors in the Development of Chronic Inflammatory Disease. <i>Annual Review of Immunology</i> , 2007, 25, 419-441.	9.5	357
59	Toll-like receptor 9-dependent activation by DNA-containing immune complexes is mediated by HMGB1 and RAGE. <i>Nature Immunology</i> , 2007, 8, 487-496.	7.0	1,210
60	Tolling for Autoimmunity—Prime Time for 7. <i>Immunity</i> , 2006, 25, 397-399.	6.6	17
61	Toll-like receptors in systemic autoimmune disease. <i>Nature Reviews Immunology</i> , 2006, 6, 823-835.	10.6	988
62	DNA and RNA autoantigens as autoadjuvants. <i>Journal of Endotoxin Research</i> , 2006, 12, 379-384.	2.5	16
63	Toll-like receptors, endogenous ligands, and systemic autoimmune disease. <i>Immunological Reviews</i> , 2005, 204, 27-42.	2.8	368
64	RNA-associated autoantigens activate B cells by combined B cell antigen receptor/Toll-like receptor 7 engagement. <i>Journal of Experimental Medicine</i> , 2005, 202, 1171-1177.	4.2	730
65	Toll-like Receptor 9-Dependent and -Independent Dendritic Cell Activation by Chromatin-IgG Complexes. <i>Journal of Experimental Medicine</i> , 2004, 199, 1631-1640.	4.2	476
66	Comparison of CpG s-ODNs, chromatin immune complexes, and dsDNA fragment immune complexes in the TLR9-dependent activation of rheumatoid factor B cells. <i>Journal of Endotoxin Research</i> , 2004, 10, 247-251.	2.5	36
67	The stimulation of Toll-like receptors by nuclear antigens: a link between apoptosis and autoimmunity. <i>Rheumatic Disease Clinics of North America</i> , 2004, 30, 559-574.	0.8	24
68	Activation of Autoreactive B Cells by CpG dsDNA. <i>Immunity</i> , 2003, 19, 837-847.	6.6	492
69	Membrane Fas Ligand Activates Innate Immunity and Terminates Ocular Immune Privilege. <i>Journal of Immunology</i> , 2002, 169, 2727-2735.	0.4	80
70	Chromatin-IgG complexes activate B cells by dual engagement of IgM and Toll-like receptors. <i>Nature</i> , 2002, 416, 603-607.	18.7	1,767
71	Sp1 is the major faslgene activator in abnormal CD4-CD8-B220+ T cells of prandgl mice. <i>European Journal of Immunology</i> , 2001, 31, 3339-3348.	1.6	10
72	Fas Ligand Engagement of Resident Peritoneal Macrophages In Vivo Induces Apoptosis and the Production of Neutrophil Chemotactic Factors. <i>Journal of Immunology</i> , 2001, 167, 6217-6224.	0.4	142

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73	Protection of T cells from activation-induced cell death by Fas+ B cells. <i>European Journal of Immunology</i> , 2000, 30, 931-937.	1.6	13
74	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. <i>European Journal of Immunology</i> , 2000, 30, 1778-1784.	1.6	8
75	TRAIL expression in vascular smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 278, L1045-L1050.	1.3	55
76	Opposing Effects of Transmembrane and Soluble FAS Ligand Expression on Inflammation and Tumor Cell Survival. <i>Journal of Experimental Medicine</i> , 2000, 191, 1209-1220.	4.2	215
77	Immune Complexes Present in the Sera of Autoimmune Mice Activate Rheumatoid Factor B Cells. <i>Journal of Immunology</i> , 2000, 165, 1626-1633.	0.4	72
78	FasL promoter activation by IL-2 through SP1 and NFAT but not Egr-2 and Egr-3. <i>European Journal of Immunology</i> , 1999, 29, 3456-3465.	1.6	55
79	Unique site of IgG2a and rheumatoid factor production in MRL/lpr mice. <i>Immunological Reviews</i> , 1997, 156, 103-110.	2.8	21
80	Fas (CD95)/Fas ligand interactions regulate antigen-specific, major histocompatibility complex-restricted T/B cell proliferative responses. <i>European Journal of Immunology</i> , 1996, 26, 415-419.	1.6	41
81	The effect of VH residues 6 and 23 on IgG3 cryoprecipitation and glomerular deposition. <i>European Journal of Immunology</i> , 1995, 25, 279-284.	1.6	29
82	Fas(CD95)/FasL interactions required for programmed cell death after T-cell activation. <i>Nature</i> , 1995, 373, 444-448.	13.7	1,485
83	Resistance to lymphoid engraftment in lpr recipients of normal bone marrow: characterization of chimeric stem cell, monocyte and peripheral lymphoid lineages. <i>European Journal of Immunology</i> , 1990, 20, 1917-1925.	1.6	3
84	Isolation of self-recognizing IgG2a monoclonal rheumatoid factors. <i>Clinical Immunology and Immunopathology</i> , 1989, 52, 313-322.	2.1	4
85	Oligoclonality of rheumatoid factors arising spontaneously in lpr/lpr mice. <i>Clinical Immunology and Immunopathology</i> , 1988, 46, 382-395.	2.1	51