

# Marko Z Radic

## List of Publications by Year in descending order

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92  
papers

8,567  
citations

101543

36  
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51608

86  
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98  
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98  
docs citations

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times ranked

8697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil Extracellular Traps: Double-Edged Swords of Innate Immunity. <i>Journal of Immunology</i> , 2012, 189, 2689-2695.	0.8	933
2	Anti-DNA antibodies from autoimmune mice arise by clonal expansion and somatic mutation.. <i>Journal of Experimental Medicine</i> , 1990, 171, 265-292.	8.5	667
3	Histone Deimination As a Response to Inflammatory Stimuli in Neutrophils. <i>Journal of Immunology</i> , 2008, 180, 1895-1902.	0.8	534
4	Expression of anti-DNA immunoglobulin transgenes in non-autoimmune mice. <i>Nature</i> , 1991, 349, 331-334.	27.8	474
5	Genetic and Structural Evidence for Antigen Selection of Anti-DNA Antibodies. <i>Annual Review of Immunology</i> , 1994, 12, 487-520.	21.8	472
6	B lymphocytes may escape tolerance by revising their antigen receptors.. <i>Journal of Experimental Medicine</i> , 1993, 177, 1165-1173.	8.5	385
7	An overview of the role of neutrophils in innate immunity, inflammation and host-biomaterial integration. <i>International Journal of Energy Production and Management</i> , 2017, 4, 55-68.	3.7	364
8	To NET or not to NET:current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019, 26, 395-408.	11.2	295
9	New-onset IgG autoantibodies in hospitalized patients with COVID-19. <i>Nature Communications</i> , 2021, 12, 5417.	12.8	286
10	The site and stage of anti-DNA B-cell deletion. <i>Nature</i> , 1995, 373, 252-255.	27.8	272
11	Regulation of Extracellular Chromatin Release from Neutrophils. <i>Journal of Innate Immunity</i> , 2009, 1, 194-201.	3.8	269
12	Opposition between PKC isoforms regulates histone deimination and neutrophil extracellular chromatin release. <i>Frontiers in Immunology</i> , 2013, 4, 38.	4.8	213
13	Nucleosomes Are Exposed at the Cell Surface in Apoptosis. <i>Journal of Immunology</i> , 2004, 172, 6692-6700.	0.8	204
14	Curvature of mouse satellite DNA and condensation of heterochromatin. <i>Cell</i> , 1987, 50, 1101-1108.	28.9	203
15	Patients with COVID-19: in the dark-NETs of neutrophils. <i>Cell Death and Differentiation</i> , 2021, 28, 3125-3139.	11.2	189
16	Receptor Editing, Immune Diversification, and Self-Tolerance. <i>Immunity</i> , 1996, 5, 505-511.	14.3	182
17	Sustained B cell depletion by CD19-targeted CAR T cells is a highly effective treatment for murine lupus. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	178
18	Editors and Editing of Anti-DNA Receptors. <i>Immunity</i> , 2001, 15, 947-957.	14.3	173

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19	Blebs and Apoptotic Bodies Are B Cell Autoantigens. <i>Journal of Immunology</i> , 2002, 169, 159-166.	0.8	149
20	Citrullination of autoantigens implicates NETosis in the induction of autoimmunity. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 483-491.	0.9	129
21	Felty's syndrome autoantibodies bind to deiminated histones and neutrophil extracellular chromatin traps. <i>Arthritis and Rheumatism</i> , 2012, 64, 982-992.	6.7	121
22	A SENSITIVE ASSAY FOR MEASURING ??-GAL EPI TOPE EXPRESSION ON CELLS BY A MONOCLONAL ANTI-GAL ANTIBODY1. <i>Transplantation</i> , 1998, 65, 1129-1132.	1.0	107
23	Structural basis for autoantibody recognition of phosphatidylserine-Â2 glycoprotein I and apoptotic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 13826-13831.	7.1	103
24	DNA-dependent Protein Kinase Activity Is Not Required for Immunoglobulin Class Switching. <i>Journal of Experimental Medicine</i> , 2002, 196, 1483-1495.	8.5	101
25	Neutrophilia and NETopathy as Key Pathologic Drivers of Progressive Lung Impairment in Patients With COVID-19. <i>Frontiers in Pharmacology</i> , 2020, 11, 870.	3.5	100
26	Hoechst 33258, distamycin A, and high mobility group protein I (HMG-I) compete for binding to mouse satellite DNA. <i>Chromosoma</i> , 1992, 101, 602-608.	2.2	85
27	Apoptosis, subcellular particles, and autoimmunity. <i>Clinical Immunology</i> , 2004, 112, 175-182.	3.2	81
28	Deimination of linker histones links neutrophil extracellular trap release with autoantibodies in systemic autoimmunity. <i>FASEB Journal</i> , 2014, 28, 2840-2851.	0.5	80
29	Neutrophil extracellular chromatin traps connect innate immune response to autoimmunity. <i>Seminars in Immunopathology</i> , 2013, 35, 465-480.	6.1	67
30	Citrullinated Autoantigens: From Diagnostic Markers to Pathogenetic Mechanisms. <i>Clinical Reviews in Allergy and Immunology</i> , 2015, 49, 232-239.	6.5	62
31	Structural Patterns in Anti-DNA Antibodies from MRL/lpr Mice. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1989, 54, 933-946.	1.1	56
32	Circulating Autoantibodies in Age-Related Macular Degeneration Recognize Human Macular Tissue Antigens Implicated in Autophagy, Immunomodulation, and Protection from Oxidative Stress and Apoptosis. <i>PLoS ONE</i> , 2015, 10, e0145323.	2.5	52
33	Bone loss and aggravated autoimmune arthritis in HLA-DRÎ21-bearing humanized mice following oral challenge with <i>Porphyromonas gingivalis</i> . <i>Arthritis Research and Therapy</i> , 2016, 18, 249.	3.5	48
34	Cellular and Molecular Mechanisms of Anti-Phospholipid Syndrome. <i>Frontiers in Immunology</i> , 2018, 9, 969.	4.8	47
35	Regulation of Anti-Phosphatidylserine Antibodies. <i>Immunity</i> , 2003, 18, 185-192.	14.3	46
36	Clearance of Apoptotic Bodies, NETs, and Biofilm DNA: Implications for Autoimmunity. <i>Frontiers in Immunology</i> , 2014, 5, 365.	4.8	46

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37	Origins of Anti- $\alpha$ DNA Antibodies and Their Implications for B-Cell Tolerance. Annals of the New York Academy of Sciences, 1995, 764, 384-396.	3.8	36
38	Knotting the NETs: Analyzing histone modifications in neutrophil extracellular traps. Arthritis Research and Therapy, 2012, 14, 115.	3.5	36
39	Electrospun Template Architecture and Composition Regulate Neutrophil NETosis <i>In Vitro</i> and <i>In Vivo</i> . Tissue Engineering - Part A, 2017, 23, 1054-1063.	3.1	33
40	Regulatory and pathogenetic mechanisms of autoantibodies in SLE. Autoimmunity, 2011, 44, 349-356.	2.6	32
41	Manuka Honey Modulates the Inflammatory Behavior of a dHL-60 Neutrophil Model under the Cytotoxic Limit. International Journal of Biomaterials, 2019, 2019, 1-12.	2.4	28
42	The Natural Anti-Gal Antibody. , 1999, 32, 79-106.		26
43	Genes coding evolutionary novel anti-carbohydrate antibodies: studies on anti-Gal production in $\beta$ 1,3galactosyltransferase knock out mice. Molecular Immunology, 2000, 37, 455-466.	2.2	26
44	Editing and escape from editing in anti-DNA B cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3861-3866.	7.1	25
45	Retinal pigment epithelium and microglia express the CD5 antigen-like protein, a novel autoantigen in age-related macular degeneration. Experimental Eye Research, 2017, 155, 64-74.	2.6	25
46	Murine Lupus Autoantibodies Identify Distinct Subsets of Apoptotic Bodies. Autoimmunity, 2004, 37, 85-93.	2.6	24
47	Heterogeneous Nuclear Ribonucleoprotein P2 Is an Autoantibody Target in Mice Deficient for Mer, Axl, and Tyro3 Receptor Tyrosine Kinases. Journal of Immunology, 2006, 176, 68-74.	0.8	24
48	Oxidation and mitochondrial origin of NET DNA in the pathogenesis of lupus. Nature Medicine, 2016, 22, 126-127.	30.7	24
49	Neutrophils in Biomaterial-Guided Tissue Regeneration: Matrix Reprogramming for Angiogenesis. Tissue Engineering - Part B: Reviews, 2021, 27, 95-106.	4.8	20
50	Selection of Recurrent V Genes and Somatic Mutations in Autoantibodies to DNA. Methods, 1997, 11, 20-26.	3.8	19
51	Cloning of anti-gal fabs from combinatorial phage display libraries: Structural analysis and comparison of fab expression in pComb3H and pComb8 phage. Molecular Immunology, 1997, 34, 609-618.	2.2	19
52	Diverse roles for the third complementarity determining region of the heavy chain (H3) in the binding of immunoglobulin Fv fragments to DNA, nucleosomes and cardiolipin. European Journal of Immunology, 2000, 30, 3432-3440.	2.9	19
53	$\beta$ Editing Rescues Autoreactive B Cells Destined for Deletion in Mice Transgenic for a Dual Specific Anti-Laminin Ig. Journal of Immunology, 2004, 172, 5313-5321.	0.8	19
54	Current Challenges and Limitations in Antibody-Based Detection of Citrullinated Histones. Frontiers in Immunology, 2016, 7, 528.	4.8	19

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55	Divergent members of a single autoreactive B cell clone retain specificity for apoptotic blebs. <i>Molecular Immunology</i> , 2007, 44, 1914-1921.	2.2	18
56	The Mitochondrion-lysosome Axis in Adaptive and Innate Immunity: Effect of Lupus Regulator Peptide P140 on Mitochondria Autophagy and NETosis. <i>Frontiers in Immunology</i> , 2018, 9, 2158.	4.8	16
57	CD8+ T Cells Expressing an HLA-DR1 Chimeric Antigen Receptor Target Autoimmune CD4+ T Cells in an Antigen-Specific Manner and Inhibit the Development of Autoimmune Arthritis. <i>Journal of Immunology</i> , 2022, 208, 16-26.	0.8	15
58	Autoimmune Biomarkers in Age-Related Macular Degeneration: A Possible Role Player in Disease Development and Progression. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 11-16.	1.6	14
59	Analysis of autoimmune bone marrow by antibody phage display: Somatic mutations and third complementarity determining region arginines in anti-DNA I <sup>3</sup> and I <sup>6</sup> V genes. <i>Arthritis and Rheumatism</i> , 2000, 43, 2132-2138.	6.7	13
60	Antigen Receptor Editing in Anti-DNA Transitional B Cells Deficient for Surface IgM. <i>Journal of Immunology</i> , 2008, 180, 6094-6106.	0.8	13
61	Localized Delivery of Cl-Amidine From Electrospun Polydioxanone Templates to Regulate Acute Neutrophil NETosis: A Preliminary Evaluation of the PAD4 Inhibitor for Tissue Engineering. <i>Frontiers in Pharmacology</i> , 2018, 9, 289.	3.5	13
62	Surface Area to Volume Ratio of Electrospun Polydioxanone Templates Regulates the Adsorption of Soluble Proteins from Human Serum. <i>Bioengineering</i> , 2019, 6, 78.	3.5	13
63	Increased Protein Citrullination as a Trigger for Resident Immune System Activation, Intraretinal Inflammation, and Promotion of Anti-retinal Autoimmunity: Intersecting Paths in Retinal Degenerations of Potential Therapeutic Relevance. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1185, 175-179.	1.6	13
64	Light chain editors of anti-DNA receptors in human B cells. <i>Journal of Experimental Medicine</i> , 2014, 211, 357-364.	8.5	11
65	Burning controversies in NETs and autoimmunity: The mysteries of cell death and autoimmune disease. <i>Autoimmunity</i> , 2018, 51, 267-280.	2.6	11
66	Murine Retinal Citrullination Declines With Age and is Mainly Dependent on Peptidyl Arginine Deiminase 4 (PAD4). , 2018, 59, 3808.		11
67	Inhibition of abnormal T cell development and autoimmunity in gld mice by transgenic T cell receptor $\hat{2}$ chain. <i>European Journal of Immunology</i> , 1992, 22, 1693-1700.	2.9	10
68	Tandem Affinity Tags for the Purification of Bivalent Anti-DNA Single-Chain Fv Expressed in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 1999, 17, 290-298.	1.3	10
69	Epigenetics of Autoantigens: New Opportunities for Therapy of Autoimmune Diseases. <i>Genetics &amp; Epigenetics</i> , 2013, 5, GEG.S12144.	2.5	10
70	Manuka Honey Reduces NETosis on an Electrospun Template Within a Therapeutic Window. <i>Polymers</i> , 2020, 12, 1430.	4.5	10
71	Manuka honey modulates the release profile of a dHL-60 neutrophil model under anti-inflammatory stimulation. <i>Journal of Tissue Viability</i> , 2020, 29, 91-99.	2.0	10
72	Editorial: NETosis 2: The Excitement Continues. <i>Frontiers in Immunology</i> , 2017, 8, 1318.	4.8	9

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73	Tuning the performance of CAR T cell immunotherapies. <i>BMC Biotechnology</i> , 2019, 19, 84.	3.3	9
74	TRPV6 channel mediates alcohol-induced gut barrier dysfunction and systemic response. <i>Cell Reports</i> , 2022, 39, 110937.	6.4	9
75	B Cell Tolerance to Deiminated Histones in BALB/c, C57BL/6, and Autoimmune-Prone Mouse Strains. <i>Frontiers in Immunology</i> , 2017, 8, 362.	4.8	8
76	Development of Functional B Cells in a Line of SCID Mice with Transgenes Coding for Anti-Double-Stranded DNA Antibody. <i>Journal of Immunology</i> , 2006, 176, 889-898.	0.8	7
77	Extracellular Chromatin Traps Interconnect Cell Biology, Microbiology, and Immunology. <i>Frontiers in Immunology</i> , 2013, 4, 160.	4.8	7
78	The Effect of Manuka Honey on dHL-60 Cytokine, Chemokine, and Matrix-Degrading Enzyme Release under Inflammatory Conditions. <i>Med One</i> , 2019, 4, .	1.0	7
79	Intra-Golgi Formation of IgM $\alpha$ Glycosaminoglycan Complexes Promotes Ig Deposition. <i>Journal of Immunology</i> , 2011, 187, 3198-3207.	0.8	6
80	Human neutrophil Fc $\gamma$ RIIIb regulates neutrophil extracellular trap release in response to electrospun polydioxanone biomaterials. <i>Acta Biomaterialia</i> , 2021, 130, 281-290.	8.3	6
81	Prospects for CAR T cell immunotherapy in autoimmune diseases: clues from Lupus. <i>Expert Opinion on Biological Therapy</i> , 2022, 22, 499-507.	3.1	6
82	Intricacies of Anti-DNA Autoantibodies. <i>Journal of Immunology</i> , 2004, 172, 3367-3368.	0.8	5
83	Neutrophil activation and B-cell stimulation in the pathogenesis of Felty's syndrome. , 2012, 122, 374-9.		5
84	Jumbled NETs promote vasculitis. <i>Arthritis and Rheumatism</i> , 2012, 64, 3498-3501.	6.7	4
85	Tracking and Trapping Somatic Mutations in Ig Genes. <i>Journal of Immunology</i> , 2008, 180, 5763-5764.	0.8	3
86	Armed and accurate: engineering cytotoxic T cells for eradication of leukemia. <i>BMC Biotechnology</i> , 2012, 12, 6.	3.3	3
87	Antibodies that bind complex glycosaminoglycans accumulate in the Golgi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11958-11963.	7.1	3
88	Editorial: Autophagy in Autoimmunity. <i>Frontiers in Immunology</i> , 2019, 10, 301.	4.8	3
89	Neutrophil activation and B-cell stimulation in the pathogenesis of Felty's syndrome. <i>Polish Archives of Internal Medicine</i> , 2012, 122, 374-379.	0.4	3
90	Antibodies clamp down on NET nucleosomes. <i>Cellular and Molecular Immunology</i> , 2020, 17, 895-896.	10.5	1

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91	Aspects of Peptidylarginine Deiminase Regulation that May Predispose to Autoreactivity Against Citrullinated Proteins. , 2017, , 11-32.		0
92	Driving lupus out with CARs. Cell & Gene Therapy Insights, 2020, 6, 1271-1275.	0.1	0