

Mark Anderson

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

12,830
citations

44069

48
h-index

30922

102
g-index

133
all docs

133
docs citations

133
times ranked

13479
citing authors

#	ARTICLE	IF	CITATIONS
1	Autoantibodies to Perilipin-1 Define a Subset of Acquired Generalized Lipodystrophy. <i>Diabetes</i> , 2023, 72, 59-70.	0.6	13
2	Modeling human T1D-associated autoimmune processes. <i>Molecular Metabolism</i> , 2022, 56, 101417.	6.5	13
3	Human genetic and immunological determinants of critical COVID-19 pneumonia. <i>Nature</i> , 2022, 603, 587-598.	27.8	216
4	Serum NfL levels in the first five years predict 10-year thalamic fraction in patients with MS. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , 2022, 8, 205521732110693.	1.0	3
5	SARS-CoV-2 transmission dynamics and immune responses in a household of vaccinated persons. <i>Clinical Infectious Diseases</i> , 2022, , .	5.8	1
6	Clonally expanded B cells in multiple sclerosis bind EBV EBNA1 and GialCAM. <i>Nature</i> , 2022, 603, 321-327.	27.8	343
7	Early Predictors of Clinical and <scp>MRI</scp> Outcomes Using <scp>Least Absolute Shrinkage and Selection Operator (LASSO)</scp> in Multiple Sclerosis. <i>Annals of Neurology</i> , 2022, 92, 87-96.	5.3	11
8	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200413119.	7.1	110
9	Respiratory viral infections in otherwise healthy humans with inherited IRF7 deficiency. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	21
10	Recessive inborn errors of type I IFN immunity in children with COVID-19 pneumonia. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	59
11	Autoimmune Endocrinopathies: An Emerging Complication of Immune Checkpoint Inhibitors. <i>Annual Review of Medicine</i> , 2021, 72, 313-330.	12.2	24
12	Aberrant type 1 immunity drives susceptibility to mucosal fungal infections. <i>Science</i> , 2021, 371, .	12.6	84
13	Single-cell transcriptional profiling of human thymic stroma uncovers novel cellular heterogeneity in the thymic medulla. <i>Nature Communications</i> , 2021, 12, 1096.	12.8	96
14	Preexisting autoantibodies to type I IFNs underlie critical COVID-19 pneumonia in patients with APS-1. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	185
15	Neutralizing Autoantibodies to Type I Interferons in COVID-19 Convalescent Donor Plasma. <i>Journal of Clinical Immunology</i> , 2021, 41, 1169-1171.	3.8	53
16	Single-cell transcriptome analysis defines heterogeneity of the murine pancreatic ductal tree. <i>ELife</i> , 2021, 10, .	6.0	23
17	Development of dental caries and risk factors between 1 and 7Åyears of age in areas of high risk for dental caries in Stockholm, Sweden. <i>European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry</i> , 2021, 22, 947-957.	1.9	5
18	Diabetes With Multiple Autoimmune and Inflammatory Conditions Linked to an Activating SKAP2 Mutation. <i>Diabetes Care</i> , 2021, 44, 1816-1825.	8.6	5

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19	A human mutation in STAT3 promotes type 1 diabetes through a defect in CD8+ T cell tolerance. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	32
20	Extrathymic <i>Aire</i> -expressing cells support maternal-fetal tolerance. <i>Science Immunology</i> , 2021, 6, .	11.9	17
21	Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. <i>Science Immunology</i> , 2021, 6, .	11.9	357
22	Type I interferon autoantibodies are associated with systemic immune alterations in patients with COVID-19. <i>Science Translational Medicine</i> , 2021, 13, eabh2624.	12.4	155
23	Response to Comments on "Aberrant type 1 immunity drives susceptibility to mucosal fungal infections". <i>Science</i> , 2021, 373, eabi8835.	12.6	5
24	Single-cell multiomics defines tolerogenic extrathymic <i>Aire</i> -expressing populations with unique homology to thymic epithelium. <i>Science Immunology</i> , 2021, 6, eabl5053.	11.9	39
25	New Frontiers in the Treatment of Type 1 Diabetes. <i>Cell Metabolism</i> , 2020, 31, 46-61.	16.2	147
26	Introducing the Endotype Concept to Address the Challenge of Disease Heterogeneity in Type 1 Diabetes. <i>Diabetes Care</i> , 2020, 43, 5-12.	8.6	220
27	STAT1 Gain of Function, Type 1 Diabetes, and Reversal with JAK Inhibition. <i>New England Journal of Medicine</i> , 2020, 383, 1494-1496.	27.0	44
28	Breaking \hat{I}^2 Cell Tolerance After 100 Years of Life: Intratumoral Immunotherapy "Induced Diabetes Mellitus. <i>Journal of the Endocrine Society</i> , 2020, 4, bvaa114.	0.2	3
29	High-resolution epitope mapping of anti-Hu and anti-Yo autoimmunity by programmable phage display. <i>Brain Communications</i> , 2020, 2, fcaa059.	3.3	41
30	Immune checkpoint inhibitor diabetes mellitus: a novel form of autoimmune diabetes. <i>Clinical and Experimental Immunology</i> , 2020, 200, 131-140.	2.6	104
31	GILT in Thymic Epithelial Cells Facilitates Central CD4 T Cell Tolerance to a Tissue-Restricted, Melanoma-Associated Self-Antigen. <i>Journal of Immunology</i> , 2020, 204, 2877-2886.	0.8	6
32	Identification of novel, clinically correlated autoantigens in the monogenic autoimmune syndrome APS1 by proteome-wide PhIP-Seq. <i>ELife</i> , 2020, 9, .	6.0	43
33	Combined transient ablation and single-cell RNA-sequencing reveals the development of medullary thymic epithelial cells. <i>ELife</i> , 2020, 9, .	6.0	53
34	Identical and Nonidentical Twins: Risk and Factors Involved in Development of Islet Autoimmunity and Type 1 Diabetes. <i>Diabetes Care</i> , 2019, 42, 192-199.	8.6	27
35	A Mutation in the Transcription Factor <i>Foxp3</i> Drives T Helper 2 Effector Function in Regulatory T Cells. <i>Immunity</i> , 2019, 50, 362-377.e6.	14.3	72
36	The epigenetic regulator ATF7ip inhibits <i>Il2</i> expression, regulating Th17 responses. <i>Journal of Experimental Medicine</i> , 2019, 216, 2024-2037.	8.5	7

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37	Pulling RANK on Cancer: Blocking Aire-Mediated Central Tolerance to Enhance Immunotherapy. <i>Cancer Immunology Research</i> , 2019, 7, 854-859.	3.4	8
38	The autoimmune targets in IPEX are dominated by gut epithelial proteins. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 327-330.e8.	2.9	11
39	Checkpoint inhibitor-induced insulin-dependent diabetes: an emerging syndrome. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 421-423.	11.4	34
40	A large CRISPR-induced bystander mutation causes immune dysregulation. <i>Communications Biology</i> , 2019, 2, 70.	4.4	19
41	Landscape of stimulation-responsive chromatin across diverse human immune cells. <i>Nature Genetics</i> , 2019, 51, 1494-1505.	21.4	196
42	Thymic regulatory T cells arise via two distinct developmental programs. <i>Nature Immunology</i> , 2019, 20, 195-205.	14.5	163
43	Elastase 3B mutation links to familial pancreatitis with diabetes and pancreatic adenocarcinoma. <i>Journal of Clinical Investigation</i> , 2019, 129, 4676-4681.	8.2	22
44	Comment on 'AIRE-deficient patients harbor unique high-affinity disease-ameliorating autoantibodies'. <i>ELife</i> , 2019, 8, .	6.0	6
45	95-OR: Interleukin-17 Receptor C Is a Regulator of Autoimmune Diabetes in Humans. <i>Diabetes</i> , 2019, 68, .	0.6	0
46	Autoimmune Polyendocrine Syndromes. <i>New England Journal of Medicine</i> , 2018, 378, 1132-1141.	27.0	311
47	<i>TCF7L2</i> Genetic Variants Contribute to Phenotypic Heterogeneity of Type 1 Diabetes. <i>Diabetes Care</i> , 2018, 41, 311-317.	8.6	51
48	Evaluating the Association between Enlarged Perivascular Spaces and Disease Worsening in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018, 28, 273-277.	2.0	24
49	Dominant-negative loss of function arises from a second, more frequent variant within the SAND domain of autoimmune regulator (AIRE). <i>Journal of Autoimmunity</i> , 2018, 88, 114-120.	6.5	29
50	Transcription Factor 7-Like 2 (<i>TCF7L2</i>) Gene Polymorphism and Progression From Single to Multiple Autoantibody Positivity in Individuals at Risk for Type 1 Diabetes. <i>Diabetes Care</i> , 2018, 41, 2480-2486.	8.6	23
51	Collateral Damage: Insulin-Dependent Diabetes Induced With Checkpoint Inhibitors. <i>Diabetes</i> , 2018, 67, 1471-1480.	0.6	386
52	Autoimmune Polyendocrine Syndromes. <i>New England Journal of Medicine</i> , 2018, 378, 2542-2544.	27.0	28
53	Low-Dose Anti-Thymocyte Globulin (ATG) Preserves β -Cell Function and Improves HbA1c in New-Onset Type 1 Diabetes. <i>Diabetes Care</i> , 2018, 41, 1917-1925.	8.6	114
54	Detection of Succinate by Intestinal Tuft Cells Triggers a Type 2 Innate Immune Circuit. <i>Immunity</i> , 2018, 49, 33-41.e7.	14.3	380

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55	Pancreatic islets communicate with lymphoid tissues via exocytosis of insulin peptides. <i>Nature</i> , 2018, 560, 107-111.	27.8	81
56	Thymic tuft cells promote an IL-4-enriched medulla and shape thymocyte development. <i>Nature</i> , 2018, 559, 627-631.	27.8	221
57	Transfer of Cell-Surface Antigens by Scavenger Receptor CD36 Promotes Thymic Regulatory T Cell Receptor Repertoire Development and Allo-tolerance. <i>Immunity</i> , 2018, 48, 923-936.e4.	14.3	54
58	Thymic tolerance as a key brake on autoimmunity. <i>Nature Immunology</i> , 2018, 19, 659-664.	14.5	86
59	Maturing Human CD127+ CCR7+ PDL1+ Dendritic Cells Express AIRE in the Absence of Tissue Restricted Antigens. <i>Frontiers in Immunology</i> , 2018, 9, 2902.	4.8	38
60	Exome Sequencing Reveals Mutations in AIRE as a Cause of Isolated Hypoparathyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1726-1733.	3.6	35
61	Insights into immune tolerance from AIRE deficiency. <i>Current Opinion in Immunology</i> , 2017, 49, 71-78.	5.5	52
62	Discovery of stimulation-responsive immune enhancers with CRISPR activation. <i>Nature</i> , 2017, 549, 111-115.	27.8	247
63	Understanding and preventing type 1 diabetes through the unique working model of TrialNet. <i>Diabetologia</i> , 2017, 60, 2139-2147.	6.3	59
64	Combination central tolerance and peripheral checkpoint blockade unleashes antimelanoma immunity. <i>JCI Insight</i> , 2017, 2, .	5.0	34
65	Proteome-wide survey of the autoimmune target repertoire in autoimmune polyendocrine syndrome type 1. <i>Scientific Reports</i> , 2016, 6, 20104.	3.3	61
66	Autoantibodies Targeting a Collecting Duct-Specific Water Channel in Tubulointerstitial Nephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 3220-3228.	6.1	19
67	<i>Chlamydia pecorum</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , 2016, 28, 184-189.	1.1	33
68	AIRE expands: new roles in immune tolerance and beyond. <i>Nature Reviews Immunology</i> , 2016, 16, 247-258.	22.7	220
69	LYN- and AIRE-mediated tolerance checkpoint defects synergize to trigger organ-specific autoimmunity. <i>Journal of Clinical Investigation</i> , 2016, 126, 3758-3771.	8.2	19
70	Editorial overview: Autoimmunity. <i>Current Opinion in Immunology</i> , 2015, 37, v-vii.	5.5	2
71	Central tolerance to self revealed by the autoimmune regulator. <i>Annals of the New York Academy of Sciences</i> , 2015, 1356, 80-89.	3.8	29
72	Unbiased Modifier Screen Reveals That Signal Strength Determines the Regulatory Role Murine TLR9 Plays in Autoantibody Production. <i>Journal of Immunology</i> , 2015, 194, 3675-3686.	0.8	7

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73	More than Meets the Eye: Monogenic Autoimmunity Strikes Again. <i>Immunity</i> , 2015, 42, 986-988.	14.3	10
74	Transglutaminase 4 as a prostate autoantigen in male subfertility. <i>Science Translational Medicine</i> , 2015, 7, 292ra101.	12.4	60
75	COPA mutations impair ER-Golgi transport and cause hereditary autoimmune-mediated lung disease and arthritis. <i>Nature Genetics</i> , 2015, 47, 654-660.	21.4	302
76	Identification of a novel cis-regulatory element essential for immune tolerance. <i>Journal of Experimental Medicine</i> , 2015, 212, 1993-2002.	8.5	47
77	Canonical microRNAs in thymic epithelial cells promote central tolerance. <i>European Journal of Immunology</i> , 2014, 44, 1313-1319.	2.9	37
78	Enhancement of an anti-tumor immune response by transient blockade of central T cell tolerance. <i>Journal of Experimental Medicine</i> , 2014, 211, 761-768.	8.5	101
79	The transcriptional regulator Aire coopts the repressive ATF7ip-MBD1 complex for the induction of immunotolerance. <i>Nature Immunology</i> , 2014, 15, 258-265.	14.5	78
80	Extrathymic Aire-Expressing Cells Are a Distinct Bone Marrow-Derived Population that Induce Functional Inactivation of CD4+ T Cells. <i>Immunity</i> , 2013, 39, 560-572.	14.3	133
81	Lineage Tracing and Cell Ablation Identify a Post-Aire-Expressing Thymic Epithelial Cell Population. <i>Cell Reports</i> , 2013, 5, 166-179.	6.4	115
82	Generation of Functional Thymic Epithelium from Human Embryonic Stem Cells that Supports Host T Cell Development. <i>Cell Stem Cell</i> , 2013, 13, 219-229.	11.1	145
83	BPIFB1 Is a Lung-Specific Autoantigen Associated with Interstitial Lung Disease. <i>Science Translational Medicine</i> , 2013, 5, 206ra139.	12.4	87
84	Pathogenic CD4+ T cells recognizing an unstable peptide of insulin are directly recruited into islets bypassing local lymph nodes. <i>Journal of Experimental Medicine</i> , 2013, 210, 2403-2414.	8.5	42
85	Detection of an autoreactive T-cell population within the polyclonal repertoire that undergoes distinct autoimmune regulator (Aire)-mediated selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7847-7852.	7.1	93
86	Monogenic Autoimmunity. <i>Annual Review of Immunology</i> , 2012, 30, 393-427.	21.8	81
87	Control of central and peripheral tolerance by Aire. <i>Immunological Reviews</i> , 2011, 241, 89-103.	6.0	145
88	Aire and T cell development. <i>Current Opinion in Immunology</i> , 2011, 23, 198-206.	5.5	111
89	An Autoimmune Response to Odorant Binding Protein 1a Is Associated with Dry Eye in the Aire-Deficient Mouse. <i>Journal of Immunology</i> , 2010, 184, 4236-4246.	0.8	44
90	Acquired Autoimmune Polyglandular Syndrome, Thymoma, and an AIRE Defect. <i>New England Journal of Medicine</i> , 2010, 362, 764-766.	27.0	43

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91	Identification of an Autoantigen Demonstrates a Link Between Interstitial Lung Disease and a Defect in Central Tolerance. <i>Science Translational Medicine</i> , 2009, 1, 9ra20.	12.4	60
92	An aberrant prostate antigen-specific immune response causes prostatitis in mice and is associated with chronic prostatitis in humans. <i>Journal of Clinical Investigation</i> , 2009, 119, 2031-41.	8.2	44
93	Deletional Tolerance Mediated by Extrathymic Aire-Expressing Cells. <i>Science</i> , 2008, 321, 843-847.	12.6	421
94	Selective miRNA disruption in T reg cells leads to uncontrolled autoimmunity. <i>Journal of Experimental Medicine</i> , 2008, 205, 1983-1991.	8.5	482
95	Effector Mechanisms of the Autoimmune Syndrome in the Murine Model of Autoimmune Polyglandular Syndrome Type 1. <i>Journal of Immunology</i> , 2008, 181, 4072-4079.	0.8	72
96	Mechanisms of an autoimmunity syndrome in mice caused by a dominant mutation in Aire. <i>Journal of Clinical Investigation</i> , 2008, 118, 1712-1726.	8.2	143
97	Spontaneous autoimmunity prevented by thymic expression of a single self-antigen. <i>Journal of Experimental Medicine</i> , 2006, 203, 2727-2735.	8.5	240
98	Modifier loci condition autoimmunity provoked by Aire deficiency. <i>Journal of Experimental Medicine</i> , 2005, 202, 805-815.	8.5	206
99	THE NOD MOUSE: A Model of Immune Dysregulation. <i>Annual Review of Immunology</i> , 2005, 23, 447-485.	21.8	949
100	The Cellular Mechanism of Aire Control of T Cell Tolerance. <i>Immunity</i> , 2005, 23, 227-239.	14.3	559
101	Projection of an Immunological Self Shadow Within the Thymus by the Aire Protein. <i>Science</i> , 2002, 298, 1395-1401.	12.6	2,159
102	Autoimmune endocrine disease. <i>Current Opinion in Immunology</i> , 2002, 14, 760-764.	5.5	28
103	HUMAN TRACHEOBRONCHIAL DEPOSITION AND EFFECT OF A CHOLINERGIC AEROSOL INHALED BY EXTREMELY SLOW INHALATIONS. <i>Experimental Lung Research</i> , 1999, 25, 335-352.	1.2	11