

Eric Meffre

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

12,550
citations

38742

50
h-index

49909

87
g-index

101
all docs

101
docs citations

101
times ranked

15340
citing authors

#	ARTICLE	IF	CITATIONS
1	Predominant Autoantibody Production by Early Human B Cell Precursors. <i>Science</i> , 2003, 301, 1374-1377.	12.6	1,806
2	Efficient generation of monoclonal antibodies from single human B cells by single cell RT-PCR and expression vector cloning. <i>Journal of Immunological Methods</i> , 2008, 329, 112-124.	1.4	953
3	Immune dysregulation in human subjects with heterozygous germline mutations in <i>CTLA4</i> . <i>Science</i> , 2014, 345, 1623-1627.	12.6	745
4	Reprogramming human T cell function and specificity with non-viral genome targeting. <i>Nature</i> , 2018, 559, 405-409.	27.8	630
5	Defective B cell tolerance checkpoints in systemic lupus erythematosus. <i>Journal of Experimental Medicine</i> , 2005, 201, 703-711.	8.5	612
6	DNA repair protein Ku80 suppresses chromosomal aberrations and malignant transformation. <i>Nature</i> , 2000, 404, 510-514.	27.8	514
7	Mutation of NLR4 causes a syndrome of enterocolitis and autoinflammation. <i>Nature Genetics</i> , 2014, 46, 1135-1139.	21.4	417
8	Complement receptor 2/CD21 ^{hi} human naive B cells contain mostly autoreactive unresponsive clones. <i>Blood</i> , 2010, 115, 5026-5036.	1.4	399
9	The transmembrane activator TACI triggers immunoglobulin class switching by activating B cells through the adaptor MyD88. <i>Nature Immunology</i> , 2010, 11, 836-845.	14.5	295
10	Unmutated and mutated chronic lymphocytic leukemias derive from self-reactive B cell precursors despite expressing different antibody reactivity. <i>Journal of Clinical Investigation</i> , 2005, 115, 1636-1643.	8.2	287
11	Impaired early B cell tolerance in patients with rheumatoid arthritis. <i>Journal of Experimental Medicine</i> , 2005, 201, 1659-1667.	8.5	285
12	Inflammasome activation in infected macrophages drives COVID-19 pathology. <i>Nature</i> , 2022, 606, 585-593.	27.8	276
13	The PTPN22 allele encoding an R620W variant interferes with the removal of developing autoreactive B cells in humans. <i>Journal of Clinical Investigation</i> , 2011, 121, 3635-3644.	8.2	259
14	B-cell tolerance checkpoints in health and autoimmunity. <i>Current Opinion in Immunology</i> , 2008, 20, 632-638.	5.5	256
15	Antibody regulation of B cell development. <i>Nature Immunology</i> , 2000, 1, 379-385.	14.5	229
16	IRAK-4- and MyD88-Dependent Pathways Are Essential for the Removal of Developing Autoreactive B Cells in Humans. <i>Immunity</i> , 2008, 29, 746-757.	14.3	201
17	Salmonella Infection Drives Promiscuous B Cell Activation Followed by Extrafollicular Affinity Maturation. <i>Immunity</i> , 2015, 43, 120-131.	14.3	186
18	Chronic Lymphocytic Leukemia Cells Recognize Conserved Epitopes Associated with Apoptosis and Oxidation. <i>Molecular Medicine</i> , 2008, 14, 665-674.	4.4	174

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19	Germline hypomorphic CARD11 mutations in severe atopic disease. <i>Nature Genetics</i> , 2017, 49, 1192-1201.	21.4	174
20	CVID-associated TACI mutations affect autoreactive B cell selection and activation. <i>Journal of Clinical Investigation</i> , 2013, 123, 4283-4293.	8.2	153
21	Accumulation of peripheral autoreactive B cells in the absence of functional human regulatory T cells. <i>Blood</i> , 2013, 121, 1595-1603.	1.4	145
22	Survival of human lymphoma cells requires B-cell receptor engagement by self-antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13447-13454.	7.1	143
23	Bruton's Tyrosine Kinase Is Essential for Human B Cell Tolerance. <i>Journal of Experimental Medicine</i> , 2004, 200, 927-934.	8.5	131
24	Immunoglobulin heavy chain expression shapes the B cell receptor repertoire in human B cell development. <i>Journal of Clinical Investigation</i> , 2001, 108, 879-886.	8.2	130
25	Specific peripheral B cell tolerance defects in patients with multiple sclerosis. <i>Journal of Clinical Investigation</i> , 2013, 123, 2737-2741.	8.2	130
26	The establishment of early B cell tolerance in humans: lessons from primary immunodeficiency diseases. <i>Annals of the New York Academy of Sciences</i> , 2011, 1246, 1-10.	3.8	128
27	Surrogate Light Chain Expressing Human Peripheral B Cells Produce Self-reactive Antibodies. <i>Journal of Experimental Medicine</i> , 2004, 199, 145-150.	8.5	122
28	Activation-induced cytidine deaminase (AID) is required for B-cell tolerance in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11554-11559.	7.1	118
29	CD40 ligand and MHC class II expression are essential for human peripheral B cell tolerance. <i>Journal of Experimental Medicine</i> , 2007, 204, 1583-1593.	8.5	117
30	Circulating human B cells that express surrogate light chains and edited receptors. <i>Nature Immunology</i> , 2000, 1, 207-213.	14.5	109
31	A novel humanized mouse model with significant improvement of class-switched, antigen-specific antibody production. <i>Blood</i> , 2017, 129, 959-969.	1.4	105
32	Immunoglobulin Heavy Chain Variable Region Gene Replacement as a Mechanism for Receptor Revision in Rheumatoid Arthritis Synovial Tissue B Lymphocytes. <i>Journal of Experimental Medicine</i> , 2000, 192, 1151-1164.	8.5	100
33	Circulating Human CD27 ^{hi} IgA ⁺ Memory B Cells Recognize Bacteria with Polyreactive Igs. <i>Journal of Immunology</i> , 2015, 195, 1417-1426.	0.8	99
34	RAG Represents a Widespread Threat to the Lymphocyte Genome. <i>Cell</i> , 2015, 162, 751-765.	28.9	98
35	IgM+IgD+CD27+ B cells are markedly reduced in IRAK-4 ^{-/-} , MyD88 ^{-/-} , and TIRAP ^{-/-} but not UNC-93B ^{-/-} deficient patients. <i>Blood</i> , 2012, 120, 4992-5001.	1.4	87
36	Impaired B ¹ cell tolerance checkpoints promote the development of autoimmune diseases and pathogenic autoantibodies. <i>Immunological Reviews</i> , 2019, 292, 90-101.	6.0	86

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37	Dedicator of cytokinesis 8-deficient patients have a breakdown in peripheral B-cell tolerance and defective regulatory T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 1365-1374.	2.9	79
38	Interferon deficiency can lead to severe COVID. <i>Nature</i> , 2020, 587, 374-376.	27.8	73
39	Wiskott-Aldrich Syndrome protein deficiency perturbs the homeostasis of B-cell compartment in humans. <i>Journal of Autoimmunity</i> , 2014, 50, 42-50.	6.5	72
40	A humanized mouse model of chronic COVID-19. <i>Nature Biotechnology</i> , 2022, 40, 906-920.	17.5	71
41	Activation-Induced Cytidine Deaminase Expression in Human B Cell Precursors Is Essential for Central B Cell Tolerance. <i>Immunity</i> , 2015, 43, 884-895.	14.3	69
42	Patients with common variable immunodeficiency with autoimmune cytopenias exhibit hyperplastic yet inefficient germinal center responses. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 258-265.	2.9	68
43	Self-reactive VH4-34-expressing IgG B cells recognize commensal bacteria. <i>Journal of Experimental Medicine</i> , 2017, 214, 1991-2003.	8.5	66
44	AIRE expression controls the peripheral selection of autoreactive B cells. <i>Science Immunology</i> , 2019, 4, .	11.9	65
45	PTPN22 inhibition resets defective human central B cell tolerance. <i>Science Immunology</i> , 2016, 1, .	11.9	64
46	Rituximab does not reset defective early B cell tolerance checkpoints. <i>Journal of Clinical Investigation</i> , 2015, 126, 282-287.	8.2	64
47	Early B cell tolerance defects in neuromyelitis optica favour anti-AQP4 autoantibody production. <i>Brain</i> , 2019, 142, 1598-1615.	7.6	62
48	Impaired TLR9 responses in B cells from patients with systemic lupus erythematosus. <i>JCI Insight</i> , 2018, 3, .	5.0	59
49	B cell depletion or absence does not impede anti-tumor activity of PD-1 inhibitors. , 2019, 7, 153.		58
50	Deficiency of base excision repair enzyme NEIL3 drives increased predisposition to autoimmunity. <i>Journal of Clinical Investigation</i> , 2016, 126, 4219-4236.	8.2	56
51	Defective B cell tolerance in adenosine deaminase deficiency is corrected by gene therapy. <i>Journal of Clinical Investigation</i> , 2012, 122, 2141-2152.	8.2	55
52	CD19 controls Toll-like receptor 9 responses in human B cells. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 889-898.e6.	2.9	50
53	Human DEF6 deficiency underlies an immunodeficiency syndrome with systemic autoimmunity and aberrant CTLA-4 homeostasis. <i>Nature Communications</i> , 2019, 10, 3106.	12.8	48
54	Decreased somatic hypermutation induces an impaired peripheral B cell tolerance checkpoint. <i>Journal of Clinical Investigation</i> , 2016, 126, 4289-4302.	8.2	46

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55	Lentiviral-mediated gene therapy restores B cell tolerance in Wiskott-Aldrich syndrome patients. <i>Journal of Clinical Investigation</i> , 2015, 125, 3941-3951.	8.2	43
56	Maturational characteristics of HIV-specific antibodies in viremic individuals. <i>JCI Insight</i> , 2016, 1, .	5.0	42
57	Inflammation-independent defective early B cell tolerance checkpoints in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2011, 63, 1237-1245.	6.7	41
58	Brief Report: Defective Early B Cell Tolerance Checkpoints in Sjögren's Syndrome Patients. <i>Arthritis and Rheumatology</i> , 2017, 69, 2203-2208.	5.6	40
59	TNF receptor superfamily member 13b (TNFRSF13B) hemizygoty reveals transmembrane activator and CAML interactor haploinsufficiency at later stages of B-cell development. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1315-1325.	2.9	38
60	Potential roles of activation-induced cytidine deaminase in promotion or prevention of autoimmunity in humans. <i>Autoimmunity</i> , 2013, 46, 148-156.	2.6	37
61	The V Gene Repertoires of Classical and Atypical Memory B Cells in Malaria-Susceptible West African Children. <i>Journal of Immunology</i> , 2015, 194, 929-939.	0.8	36
62	Signaling lymphocytic activation molecule (SLAM)/SLAM-associated protein pathway regulates human B-cell tolerance. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1149-1161.	2.9	33
63	Peripheral VH4+Âplasmablasts demonstrate autoreactive B cell expansion toward brain antigens in early multiple sclerosis patients. <i>Acta Neuropathologica</i> , 2017, 133, 43-60.	7.7	30
64	Transitional B cells in quiescent SLE: An early checkpoint imprinted by IFN. <i>Journal of Autoimmunity</i> , 2019, 102, 150-158.	6.5	30
65	Autoreactivity in naïve human fetal B cells is associated with commensal bacteria recognition. <i>Science</i> , 2020, 369, 320-325.	12.6	29
66	TACI Isoforms Regulate Ligand Binding and Receptor Function. <i>Frontiers in Immunology</i> , 2018, 9, 2125.	4.8	26
67	Autoantibody selection and production in early human life. <i>Journal of Clinical Investigation</i> , 2007, 117, 598-601.	8.2	26
68	Accumulation of Antigen-Driven Lymphoproliferations in Complement Receptor 2/CD21 ^{low} B Cells From Patients With Sjögren's Syndrome. <i>Arthritis and Rheumatology</i> , 2018, 70, 298-307.	5.6	24
69	Autosomal primary immunodeficiencies affecting human bone marrow B-cell differentiation. <i>Immunological Reviews</i> , 2000, 178, 91-98.	6.0	22
70	High-throughput identification of autoantibodies that target the human exoproteome. <i>Cell Reports Methods</i> , 2022, 2, 100172.	2.9	22
71	Novel in vitro booster vaccination to rapidly generate antigen-specific human monoclonal antibodies. <i>Journal of Experimental Medicine</i> , 2017, 214, 2471-2490.	8.5	17
72	Developmental partitioning of SYK and ZAP70 prevents autoimmunity and cancer. <i>Molecular Cell</i> , 2021, 81, 2094-2111.e9.	9.7	17

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73	HSC extrinsic sex-related and intrinsic autoimmune disease-related human B-cell variation is recapitulated in humanized mice. <i>Blood Advances</i> , 2017, 1, 2007-2018.	5.2	16
74	Impaired ATM activation in B cells is associated with bone resorption in rheumatoid arthritis. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	15
75	Positive and negative selection shape the human naive B cell repertoire. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	14
76	B-Cell Chronic Lymphocytic Leukemia (B-CLL) Cells Express Antibodies Reactive with Antigenic Epitopes Expressed on the Surface of Common Bacteria.. <i>Blood</i> , 2006, 108, 25-25.	1.4	13
77	Response: common variable immunodeficiency patients with increased CD21 ^{hi} /lo B cells suffer from altered receptor editing and defective central B-cell tolerance. <i>Blood</i> , 2011, 118, 5977-5978.	1.4	12
78	Smith-Magenis Syndrome Patients Often Display Antibody Deficiency but Not Other Immune Pathologies. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2017, 5, 1344-1350.e3.	3.8	11
79	Disease-associated CTNBL1 mutation impairs somatic hypermutation by decreasing nuclear AID. <i>Journal of Clinical Investigation</i> , 2020, 130, 4411-4422.	8.2	11
80	Polyreactive Monoclonal Antibodies Synthesized by Some B-CLL Cells Recognize Specific Antigens on Viable and Apoptotic T Cells.. <i>Blood</i> , 2006, 108, 2813-2813.	1.4	11
81	The First B-Cell Tolerance Checkpoint in Mice and Humans: Control by AID. <i>Advances in Immunology</i> , 2018, 139, 51-92.	2.2	10
82	Defective early B cell tolerance checkpoints in patients with systemic sclerosis allow the production of self-antigen-specific clones. <i>Arthritis and Rheumatology</i> , 2021, , .	5.6	10
83	A novel ATM mutation associated with elevated atypical lymphocyte populations, hyper-IgM, and cutaneous granulomas. <i>Clinical Immunology</i> , 2019, 200, 55-63.	3.2	8
84	A Novel AICDA Splice-Site Mutation in Two Siblings with HIGM2 Permits Somatic Hypermutation but Abrogates Mutational Targeting. <i>Journal of Clinical Immunology</i> , 2022, 42, 771-782.	3.8	4
85	B-CLL Antibodies Comprised of Stereotypic VH1-69, D3-16, and JH3 Rearrangements Immunoprecipitate Cellular Protein(s).. <i>Blood</i> , 2006, 108, 2816-2816.	1.4	2
86	Chronic Lymphocytic Leukemia Cells Recognize Conserved Epitopes Associated with Apoptosis and Catabolic Chemical Modifications. <i>Blood</i> , 2008, 112, 3150-3150.	1.4	1
87	ZAP-70 Expression in Non Tumoral B Cells: Role in B Tolerance Breakdown?. <i>Blood</i> , 2018, 132, 1114-1114.	1.4	1
88	Big impact of microRNAs on central B cell tolerance. <i>Nature Immunology</i> , 2016, 17, 353-354.	14.5	0
89	B-cell biology, tolerance, and autoantibodies. , 2021, , 71-80.		0
90	Generation and characterisation of monoclonal antibodies from single RA synovial B cells. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A40.3-A41.	0.9	0

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91	CD25-Dependent Feedback Control of the B-Cell Receptor and Its Oncogenic Mimics in B-Cell Malignancies. Blood, 2018, 132, 776-776.	1.4	0
92	Immunoepidemiology of Immune Dysfunction. , 2019, , 127-148.		0
93	Dynamic Assembly of a Feedback Complex to Regulate Oncogenic B-Cell Receptor-Signaling. Blood, 2019, 134, 393-393.	1.4	0
94	Co-Expression of SYK and ZAP70 Subverts Negative B-Cell Selection and Enables Oncogenic Signaling in Multiple B-Cell Malignancies. Blood, 2019, 134, 295-295.	1.4	0
95	Pharmacological Targeting of PI3K-Dependent Central Tolerance Mechanisms in Refractory Pre-Germinal Center B-Cell Malignancies. Blood, 2021, 138, 2267-2267.	1.4	0