

Kai-Michael Toellner

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

7,867
citations

71097

41
h-index

60616

81
g-index

125
all docs

125
docs citations

125
times ranked

10112
citing authors

#	ARTICLE	IF	CITATIONS
1	Germinal center derived B cell memory without T cells. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	0
2	Recycling of memory B cells between germinal center and lymph node subcapsular sinus supports affinity maturation to antigenic drift. <i>Nature Communications</i> , 2022, 13, 2460.	12.8	16
3	Enhanced BCR signaling inflicts early plasmablast and germinal center B cell death. <i>IScience</i> , 2021, 24, 102038.	4.1	16
4	Nr4a1 and Nr4a3 Reporter Mice Are Differentially Sensitive to T Cell Receptor Signal Strength and Duration. <i>Cell Reports</i> , 2020, 33, 108328.	6.4	50
5	Class-Switch Recombination Occurs Infrequently in Germinal Centers. <i>Immunity</i> , 2019, 51, 337-350.e7.	14.3	329
6	Pre-conception maternal helminth infection transfers via nursing long-lasting cellular immunity against helminths to offspring. <i>Science Advances</i> , 2019, 5, eaav3058.	10.3	29
7	IgG Responses to Porins and Lipopolysaccharide within an Outer Membrane-Based Vaccine against Nontyphoidal <i>Salmonella</i> Develop at Discordant Rates. <i>MBio</i> , 2018, 9, .	4.1	31
8	Plasma cell output from germinal centers is regulated by signals from Tfh and stromal cells. <i>Journal of Experimental Medicine</i> , 2018, 215, 1227-1243.	8.5	113
9	What Are the Primary Limitations in B-Cell Affinity Maturation, and How Much Affinity Maturation Can We Drive with Vaccination?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a028795.	5.5	16
10	Role of B-cell receptors for B-cell development and antigen-induced differentiation. <i>F1000Research</i> , 2018, 7, 429.	1.6	50
11	TFR cells trump autoimmune antibody responses to limit sedition. <i>Nature Immunology</i> , 2017, 18, 1185-1186.	14.5	1
12	IgG1 Is Required for Optimal Protection after Immunization with the Purified Porin OmpD from <i>Salmonella</i> Typhimurium. <i>Journal of Immunology</i> , 2017, 199, 4103-4109.	0.8	20
13	Antagonizing Retinoic Acid Receptors Increases Myeloid Cell Production by Cultured Human Hematopoietic Stem Cells. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2017, 65, 69-81.	2.3	17
14	Selective Expression of Flt3 within the Mouse Hematopoietic Stem Cell Compartment. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1037.	4.1	41
15	Detecting Gene Expression in Lymphoid Microenvironments by Laser Microdissection and Quantitative RT-PCR. <i>Methods in Molecular Biology</i> , 2017, 1623, 21-36.	0.9	2
16	Extrafollicular Antibody Responses. , 2016, , 208-215.		2
17	Morning vaccination enhances antibody response over afternoon vaccination: A cluster-randomised trial. <i>Vaccine</i> , 2016, 34, 2679-2685.	3.8	209
18	Regulation of germinal center B cell differentiation. <i>Immunological Reviews</i> , 2016, 270, 8-19.	6.0	139

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19	Soluble flagellin coimmunization attenuates Th1 priming to Salmonella and clearance by modulating dendritic cell activation and cytokine production. <i>European Journal of Immunology</i> , 2015, 45, 2299-2311.	2.9	25
20	FOXP1 inhibits plasma cell differentiation. <i>Blood</i> , 2015, 126, 2076-2077.	1.4	5
21	IL-22 regulates lymphoid chemokine production and assembly of tertiary lymphoid organs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11024-11029.	7.1	173
22	Robo4 vaccines induce antibodies that retard tumor growth. <i>Angiogenesis</i> , 2015, 18, 83-95.	7.2	15
23	Inflammation-induced formation of fat-associated lymphoid clusters. <i>Nature Immunology</i> , 2015, 16, 819-828.	14.5	175
24	Versatility of stem and progenitor cells and the instructive actions of cytokines on hematopoiesis. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2015, 52, 168-79.	6.1	40
25	Cognate interactions: Extrafollicular IL-4 drives germinal center reactions, a new role for an old cytokine. <i>European Journal of Immunology</i> , 2014, 44, 1917-1920.	2.9	13
26	Germinal center dysregulation by histone methyltransferase EZH2 promotes lymphomagenesis. <i>Journal of Clinical Investigation</i> , 2014, 124, 1869-1869.	8.2	1
27	Germinal center B cells govern their own fate via antibody feedback. <i>Journal of Experimental Medicine</i> , 2013, 210, 457-464.	8.5	231
28	Germinal center dysregulation by histone methyltransferase EZH2 promotes lymphomagenesis. <i>Journal of Clinical Investigation</i> , 2013, 123, 5009-5022.	8.2	215
29	Dose-Dependent Induction of Murine Th1/Th2 Responses to Sheep Red Blood Cells Occurs in Two Steps: Antigen Presentation during Second Encounter Is Decisive. <i>PLoS ONE</i> , 2013, 8, e67746.	2.5	31
30	CD8 T cells induce T-bet-dependent migration toward CXCR3 ligands by differentiated B cells produced during responses to alum-protein vaccines. <i>Blood</i> , 2012, 120, 4552-4559.	1.4	39
31	The Capsular Polysaccharide Vi from <i>Salmonella</i> Typhi Is a B1b Antigen. <i>Journal of Immunology</i> , 2012, 189, 5527-5532.	0.8	47
32	A Theory of Germinal Center B Cell Selection, Division, and Exit. <i>Cell Reports</i> , 2012, 2, 162-174.	6.4	166
33	Helios Is Associated with CD4 T Cells Differentiating to T Helper 2 and Follicular Helper T Cells In Vivo Independently of Foxp3 Expression. <i>PLoS ONE</i> , 2011, 6, e20731.	2.5	67
34	Noxa mediates p18INK4c cell-cycle control of homeostasis in B cells and plasma cell precursors. <i>Blood</i> , 2011, 117, 2179-2188.	1.4	21
35	Trypanosoma cruzi infection induces a massive extrafollicular and follicular splenic B-cell response which is a high source of non-parasite-specific antibodies. <i>Immunology</i> , 2011, 132, 123-133.	4.4	77
36	Early B blasts acquire a capacity for Ig class switch recombination that is lost as they become plasmablasts. <i>European Journal of Immunology</i> , 2011, 41, 3506-3512.	2.9	45

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37	Cytokine mRNA profiling identifies B cells as a major source of RANKL in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 2022-2028.	0.9	143
38	Cytokine mRNA profiling identifies B cells as a major source of RANKL in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, A60-A60.	0.9	1
39	SLC6A4 expression and anti-proliferative responses to serotonin transporter ligands clomipramine and fluoxetine in primary B-cell malignancies. <i>Leukemia Research</i> , 2010, 34, 1103-1106.	0.8	14
40	Toll-like Receptor 4 Signaling by Follicular Dendritic Cells Is Pivotal for Germinal Center Onset and Affinity Maturation. <i>Immunity</i> , 2010, 33, 84-95.	14.3	96
41	IL-21 regulates germinal center B cell differentiation and proliferation through a B cellâ€intrinsic mechanism. <i>Journal of Experimental Medicine</i> , 2010, 207, 365-378.	8.5	661
42	B1 Cells Promote Pancreas Infiltration by Autoreactive T Cells. <i>Journal of Immunology</i> , 2010, 185, 2800-2807.	0.8	35
43	IFN- γ produced by CD8 T cells induces T-betâ€dependent and â€independent class switching in B cells in responses to alum-precipitated protein vaccine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17292-17297.	7.1	63
44	Early simultaneous production of intranodal CD4 Th2 effectors and recirculating rapidly responding centralâ€memoryâ€like CD4 T cells. <i>European Journal of Immunology</i> , 2009, 39, 1573-1586.	2.9	8
45	Germinal centres seen through the mathematical eye: B-cell models on the catwalk. <i>Trends in Immunology</i> , 2009, 30, 157-164.	6.8	44
46	Axon growth and guidance genes identify Tâ€dependent germinal centre B cells. <i>Immunology and Cell Biology</i> , 2008, 86, 3-14.	2.3	50
47	Heterogeneity of lymphoid tissue inducer cell populations present in embryonic and adult mouse lymphoid tissues. <i>Immunology</i> , 2008, 124, 166-174.	4.4	51
48	Molecular differences between the divergent responses of ovalbumin-specific CD4 T cells to alum-precipitated ovalbumin compared to ovalbumin expressed by <i>Salmonella</i> . <i>Molecular Immunology</i> , 2008, 45, 3558-3566.	2.2	39
49	Deriving a germinal center lymphocyte migration model from two-photon data. <i>Journal of Experimental Medicine</i> , 2008, 205, 3019-3029.	8.5	87
50	Deriving a germinal center lymphocyte migration model from two-photon data. <i>Journal of Cell Biology</i> , 2008, 183, i14-i14.	5.2	0
51	<i>Salmonella</i> Induces a Switched Antibody Response without Germinal Centers That Impedes the Extracellular Spread of Infection. <i>Journal of Immunology</i> , 2007, 178, 6200-6207.	0.8	173
52	microRNA-155 Regulates the Generation of Immunoglobulin Class-Switched Plasma Cells. <i>Immunity</i> , 2007, 27, 847-859.	14.3	724
53	Recirculating CD4 memory T cells mount rapid secondary responses without major contributions from follicular CD4 effectors and B cells. <i>European Journal of Immunology</i> , 2007, 37, 1476-1484.	2.9	6
54	Type I cytokine profiles of human naive and memory B lymphocytes: a potential for memory cells to impact polarization. <i>Immunology</i> , 2006, 118, 66-77.	4.4	31

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55	Neonatal and Adult CD4 ⁺ CD3 ⁺ Cells Share Similar Gene Expression Profile, and Neonatal Cells Up-Regulate OX40 Ligand in Response to TL1A (TNFSF15). <i>Journal of Immunology</i> , 2006, 177, 3074-3081.	0.8	81
56	B cell clones that sustain long-term plasmablast growth in T-independent extrafollicular antibody responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 5905-5910.	7.1	155
57	Analysis of the Germinal Center Reaction and In Vivo Long-Lived Plasma Cells. , 2004, 271, 111-125.		1
58	Loss of CD154 impairs the Th2 extrafollicular plasma cell response but not early T cell proliferation and interleukin-4 induction. <i>Immunology</i> , 2004, 113, 187-193.	4.4	28
59	Pinpointing IL-4-independent acquisition and IL-4-influenced maintenance of Th2 activity by CD4 T cells. <i>European Journal of Immunology</i> , 2004, 34, 686-694.	2.9	63
60	Responses to the soluble flagellar protein FlhC are Th2, while those to FlhC on <i>Salmonella</i> are Th1. <i>European Journal of Immunology</i> , 2004, 34, 2986-2995.	2.9	118
61	A non-voltage-gated calcium channel with L-type characteristics activated by B cell receptor ligation. <i>Biochemical Pharmacology</i> , 2003, 66, 2001-2009.	4.4	34
62	Recirculating and germinal center B cells differentiate into cells responsive to polysaccharide antigens. <i>European Journal of Immunology</i> , 2003, 33, 297-305.	2.9	56
63	Extrafollicular antibody responses. <i>Immunological Reviews</i> , 2003, 194, 8-18.	6.0	525
64	Naive and memory B ₂ cells respond differentially to T-dependent signaling but display an equal potential for differentiation toward the centroblast-restricted CD77/globotriaosylceramide phenotype. <i>European Journal of Immunology</i> , 2003, 33, 1889-1898.	2.9	17
65	Rapid Development of Th2 Activity During T Cell Priming. <i>Clinical and Developmental Immunology</i> , 2003, 10, 1-6.	3.3	3
66	Established T Cell-Driven Germinal Center B Cell Proliferation Is Independent of CD28 Signaling but Is Tightly Regulated Through CTLA-4. <i>Journal of Immunology</i> , 2003, 170, 91-98.	0.8	45
67	Th2 Activities Induced During Virgin T Cell Priming in the Absence of IL-4, IL-13, and B Cells. <i>Journal of Immunology</i> , 2002, 169, 2900-2906.	0.8	41
68	Low-level Hypermutation in T Cell-independent Germinal Centers Compared with High Mutation Rates Associated with T Cell-dependent Germinal Centers. <i>Journal of Experimental Medicine</i> , 2002, 195, 383-389.	8.5	162
69	HL60 Cells Halted in G1 or S Phase Differentiate Normally. <i>Experimental Cell Research</i> , 2002, 281, 28-38.	2.6	30
70	CDK Inhibitor p18INK4c Is Required for the Generation of Functional Plasma Cells. <i>Immunity</i> , 2002, 17, 179-189.	14.3	97
71	Changing responsiveness to chemokines allows medullary plasmablasts to leave lymph nodes. <i>European Journal of Immunology</i> , 2001, 31, 609-616.	2.9	107
72	Tracking the response of Xid B cells in vivo: TI-2 antigen induces migration and proliferation but Btk is essential for terminal differentiation. <i>European Journal of Immunology</i> , 2001, 31, 1340-1350.	2.9	40

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73	Intrinsic Constraint on Plasmablast Growth and Extrinsic Limits of Plasma Cell Survival. Journal of Experimental Medicine, 2000, 192, 813-822.	8.5	268
74	Interplays between mouse mammary tumor virus and the cellular and humoral immune response. Immunological Reviews, 1999, 168, 287-303.	6.0	42
75	Defective immunoglobulin class switching in Vav-deficient mice is attributable to compromised T cell help. European Journal of Immunology, 1999, 29, 477-487.	2.9	48
76	T-independent type 2 antigens induce B cell proliferation in multiple splenic sites, but exponential growth is confined to extrafollicular foci. European Journal of Immunology, 1999, 29, 1314-1323.	2.9	111
77	T-independent type 2 antigens induce B cell proliferation in multiple splenic sites, but exponential growth is confined to extrafollicular foci. European Journal of Immunology, 1999, 29, 1314-1323.	2.9	2
78	CD4 T Cell Cytokine Differentiation: The B Cell Activation Molecule, OX40 Ligand, Instructs CD4 T Cells to Express Interleukin 4 and Upregulates Expression of the Chemokine Receptor, Blr-1. Journal of Experimental Medicine, 1998, 188, 297-304.	8.5	326
79	T Helper 1 (Th1) and Th2 Characteristics Start to Develop During T Cell Priming and Are Associated with an Immediate Ability to Induce Immunoglobulin Class Switching. Journal of Experimental Medicine, 1998, 187, 1193-1204.	8.5	209
80	Memory B-cell clones and the diversity of their members. Seminars in Immunology, 1997, 9, 229-234.	5.6	26
81	The changing preference of T and B cells for partners as T-dependent antibody responses develop. Immunological Reviews, 1997, 156, 53-66.	6.0	264
82	PROPERTIES OF MULTINUCLEATED GIANT CELLS IN A NEW IN VITRO MODEL FOR HUMAN GRANULOMA FORMATION. Journal of Pathology, 1997, 182, 99-105.	4.5	20
83	The use of reverse transcription polymerase chain reaction to analyse large numbers of mRNA species from a single cell. Journal of Immunological Methods, 1996, 191, 71-75.	1.4	20
84	Immunoglobulin switch transcript production in vivo related to the site and time of antigen-specific B cell activation.. Journal of Experimental Medicine, 1996, 183, 2303-2312.	8.5	178
85	The human germinal centre cells, follicular dendritic cells and germinal centre T cells produce B cell-stimulating cytokines. Cytokine, 1995, 7, 344-354.	3.2	46