

Fabienne Mackay

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

131
papers

21,390
citations

70
h-index

144
g-index

144
ext. papers

23,553
ext. citations

13
avg, IF

6.44
L-index

#	Paper	IF	Citations
131	Understand SLE heterogeneity in the era of omics, big data, and artificial intelligence. <i>Rheumatology & Autoimmunity</i> , 2021 , 1, 38-49		0
130	Long-term exposure to monoclonal anti-TNF is associated with an increased risk of lymphoma in BAFF-transgenic mice. <i>Clinical and Experimental Immunology</i> , 2021 , 205, 169-181	6.2	
129	B-cells expressing NgR1 and NgR3 are localized to EAE-induced inflammatory infiltrates and are stimulated by BAFF. <i>Scientific Reports</i> , 2021 , 11, 2890	4.9	4
128	Associations of serum soluble Fas and Fas ligand (FasL) with outcomes in systemic lupus erythematosus. <i>Lupus Science and Medicine</i> , 2020 , 7,	4.6	7
127	Not from Venus, not from Mars - all equally superstars. <i>Nature Immunology</i> , 2020 , 21, 238	19.1	1
126	Chemokine receptor CXCR7 non-cell-autonomously controls pontine neuronal migration and nucleus formation. <i>Scientific Reports</i> , 2020 , 10, 11830	4.9	1
125	Analysis of serum B cell-activating factor from the tumor necrosis factor family (BAFF) and its soluble receptors in systemic lupus erythematosus. <i>Clinical and Translational Immunology</i> , 2019 , 8, e01047	6.8	15
124	Microbiota-Derived Short-Chain Fatty Acids Promote the Memory Potential of Antigen-Activated CD8 T Cells. <i>Immunity</i> , 2019 , 51, 285-297.e5	32.3	175
123	Distinguishing naive- from memory-derived human B cells during acute responses. <i>Clinical and Translational Immunology</i> , 2019 , 8, e01090	6.8	10
122	Machine learning applied to whole-blood RNA-sequencing data uncovers distinct subsets of patients with systemic lupus erythematosus. <i>Clinical and Translational Immunology</i> , 2019 , 8, e01093	6.8	22
121	Recirculating Intestinal IgA-Producing Cells Regulate Neuroinflammation via IL-10. <i>Cell</i> , 2019 , 176, 610-624.e18	34.1	133
120	Serum soluble Fas and Fas ligand (FasL) in primary Sjögren's syndrome. <i>Clinical and Experimental Rheumatology</i> , 2019 , 37 Suppl 118, 254-256	2.2	1
119	Molecular control of B-cell homeostasis in health and malignancy. <i>Immunology and Cell Biology</i> , 2018 , 96, 453-462	5	5
118	A loop region of BAFF controls B cell survival and regulates recognition by different inhibitors. <i>Nature Communications</i> , 2018 , 9, 1199	17.4	18
117	Analysis of urinary macrophage migration inhibitory factor in systemic lupus erythematosus. <i>Lupus Science and Medicine</i> , 2018 , 5, e000277	4.6	8
116	Methotrexate and BAFF interaction prevents immunization against TNF inhibitors. <i>Annals of the Rheumatic Diseases</i> , 2018 , 77, 1463-1470	2.4	17
115	Protective Effect of Inflammasome Activation by Hydrogen Peroxide in a Mouse Model of Septic Shock. <i>Critical Care Medicine</i> , 2017 , 45, e184-e194	1.4	7

114	Foxp3 Tregs are recruited to the retina to repair pathological angiogenesis. <i>Nature Communications</i> , 2017 , 8, 748	17.4	39
113	Arginine methylation catalyzed by PRMT1 is required for B cell activation and differentiation. <i>Nature Communications</i> , 2017 , 8, 891	17.4	20
112	The bigger B cell picture. <i>Nature Reviews Immunology</i> , 2016 , 16, 133	36.5	
111	NFB1 is essential to prevent the development of multiorgan autoimmunity by limiting IL-6 production in follicular B cells. <i>Journal of Experimental Medicine</i> , 2016 , 213, 621-41	16.6	28
110	Antibodies That Block or Activate Mouse B Cell Activating Factor of the Tumor Necrosis Factor (TNF) Family (BAFF), Respectively, Induce B Cell Depletion or B Cell Hyperplasia. <i>Journal of Biological Chemistry</i> , 2016 , 291, 19826-34	5.4	13
109	NFB1 is essential to prevent the development of multiorgan autoimmunity by limiting IL-6 production in follicular B cells. <i>Journal of Cell Biology</i> , 2016 , 213, 2131OIA67	7.3	
108	Deleting the BAFF receptor TACI protects against systemic lupus erythematosus without extensive reduction of B cell numbers. <i>Journal of Autoimmunity</i> , 2015 , 61, 9-16	15.5	37
107	BAFF-driven autoimmunity requires CD19 expression. <i>Journal of Autoimmunity</i> , 2015 , 62, 1-10	15.5	25
106	IL-10 regulates Aicda expression through miR-155. <i>Journal of Leukocyte Biology</i> , 2015 , 97, 71-8	6.5	19
105	Chemokine Signaling Controls Integrity of Radial Glial Scaffold in Developing Spinal Cord and Consequential Proper Position of Boundary Cap Cells. <i>Journal of Neuroscience</i> , 2015 , 35, 9211-24	6.6	13
104	The activin A antagonist follistatin inhibits cystic fibrosis-like lung inflammation and pathology. <i>Immunology and Cell Biology</i> , 2015 , 93, 567-74	5	23
103	The Role of the BAFF and Lymphotoxin Pathways in B Cell Biology 2015 , 251-276		1
102	Efficient conditional gene expression following transplantation of retrovirally transduced bone marrow stem cells. <i>Journal of Immunological Methods</i> , 2015 , 416, 183-8	2.5	1
101	Roles of ligands from the TNF superfamily in B cell development, function, and regulation. <i>Seminars in Immunology</i> , 2014 , 26, 191-202	10.7	21
100	CXCR7 prevents excessive CXCL12-mediated downregulation of CXCR4 in migrating cortical interneurons. <i>Development (Cambridge)</i> , 2014 , 141, 1857-63	6.6	60
99	Gene therapy delivery of myelin oligodendrocyte glycoprotein (MOG) via hematopoietic stem cell transfer induces MOG-specific B cell deletion. <i>Journal of Immunology</i> , 2014 , 192, 2593-601	5.3	7
98	The tyrosine kinase Lyn limits the cytokine responsiveness of plasma cells to restrict their accumulation in mice. <i>Science Signaling</i> , 2014 , 7, ra77	8.8	12
97	The BAFF/APRIL system in SLE pathogenesis. <i>Nature Reviews Rheumatology</i> , 2014 , 10, 365-73	8.1	253

96	The BAFF/APRIL system: emerging functions beyond B cell biology and autoimmunity. <i>Cytokine and Growth Factor Reviews</i> , 2013 , 24, 203-15	17.9	250
95	The TACI receptor regulates T-cell-independent marginal zone B cell responses through innate activation-induced cell death. <i>Immunity</i> , 2013 , 39, 573-83	32.3	47
94	Antidrug antibodies (ADAb) to tumour necrosis factor (TNF)-specific neutralising agents in chronic inflammatory diseases: a real issue, a clinical perspective. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, 165-78	2.4	273
93	Circulating precursor CCR7(lo)PD-1(hi) CXCR5+ CD4+ T cells indicate Tfh cell activity and promote antibody responses upon antigen reexposure. <i>Immunity</i> , 2013 , 39, 770-81	32.3	449
92	Mcl-1 is essential for the survival of plasma cells. <i>Nature Immunology</i> , 2013 , 14, 290-7	19.1	214
91	B cell survival, surface BCR and BAFFR expression, CD74 metabolism, and CD8- dendritic cells require the intramembrane endopeptidase SPPL2A. <i>Journal of Experimental Medicine</i> , 2013 , 210, 31-40	16.6	68
90	CXC chemokine receptor 7 (CXCR7) affects the migration of GnRH neurons by regulating CXCL12 availability. <i>Journal of Neuroscience</i> , 2013 , 33, 17527-37	6.6	25
89	Association of serum B cell activating factor from the tumour necrosis factor family (BAFF) and a proliferation-inducing ligand (APRIL) with central nervous system and renal disease in systemic lupus erythematosus. <i>Lupus</i> , 2013 , 22, 873-84	2.6	62
88	Focus on systemic lupus erythematosus in indigenous Australians: towards a better understanding of autoimmune diseases. <i>Internal Medicine Journal</i> , 2013 , 43, 227-34	1.6	17
87	Clinical associations of serum interleukin-17 in systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , 2013 , 15, R97	5.7	101
86	MHC class II expression in human basophils: induction and lack of functional significance. <i>PLoS ONE</i> , 2013 , 8, e81777	3.7	25
85	Malaria infection alters the expression of B-cell activating factor resulting in diminished memory antibody responses and survival. <i>European Journal of Immunology</i> , 2012 , 42, 3291-301	6.1	29
84	Depletion of B2 but not B1a B cells in BAFF receptor-deficient ApoE mice attenuates atherosclerosis by potentially ameliorating arterial inflammation. <i>PLoS ONE</i> , 2012 , 7, e29371	3.7	119
83	CXC chemokine receptor 7 (CXCR7) regulates CXCR4 protein expression and capillary tuft development in mouse kidney. <i>PLoS ONE</i> , 2012 , 7, e42814	3.7	32
82	Obesity is associated with activated and insulin resistant immune cells. <i>Diabetes/Metabolism Research and Reviews</i> , 2012 , 28, 447-54	7.5	55
81	BAFF/BlyS inhibitors: A new prospect for treatment of systemic lupus erythematosus. <i>IUBMB Life</i> , 2012 , 64, 595-602	4.7	27
80	BAFF and innate immunity: new therapeutic targets for systemic lupus erythematosus. <i>Immunology and Cell Biology</i> , 2012 , 90, 293-303	5	62
79	Neuropeptide Y1 receptor in immune cells regulates inflammation and insulin resistance associated with diet-induced obesity. <i>Diabetes</i> , 2012 , 61, 3228-38	0.9	31

78	The tetraspanin CD37 orchestrates the $\alpha 4 \beta 1$ integrin-Akt signaling axis and supports long-lived plasma cell survival. <i>Science Signaling</i> , 2012 , 5, ra82	8.8	62
77	Development of autoimmune nephritis in genetically asplenic and splenectomized BAFF transgenic mice. <i>Journal of Autoimmunity</i> , 2011 , 36, 125-34	15.5	22
76	Cxcr7 controls neuronal migration by regulating chemokine responsiveness. <i>Neuron</i> , 2011 , 69, 77-90	13.9	221
75	Mutation of the BAFF furin cleavage site impairs B-cell homeostasis and antibody responses. <i>European Journal of Immunology</i> , 2011 , 41, 787-97	6.1	45
74	Analysis of microRNA turnover in mammalian cells following Dicer1 ablation. <i>Nucleic Acids Research</i> , 2011 , 39, 5692-703	20.1	295
73	Y1 signalling has a critical role in allergic airway inflammation. <i>Immunology and Cell Biology</i> , 2011 , 89, 882-8	5	23
72	B-cell stage and context-dependent requirements for survival signals from BAFF and the B-cell receptor. <i>Immunological Reviews</i> , 2010 , 237, 205-25	11.3	136
71	Control systems and decision making for antibody production. <i>Nature Immunology</i> , 2010 , 11, 681-8	19.1	303
70	B-cell tolerance breakdown in Sjögren's syndrome: focus on BAFF. <i>Autoimmunity Reviews</i> , 2010 , 9, 604-8	13.6	72
69	Increased CD4+Foxp3+ T cells in BAFF-transgenic mice suppress T cell effector responses. <i>Journal of Immunology</i> , 2009 , 182, 793-801	5.3	83
68	CD4(+)CD25(+) T-cells control autoimmunity in the absence of B-cells. <i>Diabetes</i> , 2009 , 58, 1568-77	0.9	71
67	Dock8 mutations cripple B cell immunological synapses, germinal centers and long-lived antibody production. <i>Nature Immunology</i> , 2009 , 10, 1283-91	19.1	202
66	Cracking the BAFF code. <i>Nature Reviews Immunology</i> , 2009 , 9, 491-502	36.5	661
65	Regulation of inflammatory responses by gut microbiota and chemoattractant receptor GPR43. <i>Nature</i> , 2009 , 461, 1282-6	50.4	2011
64	The BAFF/APRIL System in Autoimmunity 2009 , 125-160		
63	B cells flying solo. <i>Immunology and Cell Biology</i> , 2008 , 86, 40-6	5	28
62	TRAF2 and TRAF3 signal adapters act cooperatively to control the maturation and survival signals delivered to B cells by the BAFF receptor. <i>Immunity</i> , 2008 , 28, 391-401	32.3	199
61	TAC1, an enigmatic BAFF/APRIL receptor, with new unappreciated biochemical and biological properties. <i>Cytokine and Growth Factor Reviews</i> , 2008 , 19, 263-76	17.9	107

60	TACI, unlike BAFF-R, is solely activated by oligomeric BAFF and APRIL to support survival of activated B cells and plasmablasts. <i>Blood</i> , 2008 , 111, 1004-12	2.2	228
59	Marginal-zone B-cells of nonobese diabetic mice expand with diabetes onset, invade the pancreatic lymph nodes, and present autoantigen to diabetogenic T-cells. <i>Diabetes</i> , 2008 , 57, 395-404	0.9	88
58	NIK overexpression amplifies, whereas ablation of its TRAF3-binding domain replaces BAFF:BAFF-R-mediated survival signals in B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10883-8	11.5	87
57	B cells and the BAFF/APRIL axis: fast-forward on autoimmunity and signaling. <i>Current Opinion in Immunology</i> , 2007 , 19, 327-36	7.8	229
56	BAFF and MyD88 signals promote a lupuslike disease independent of T cells. <i>Journal of Experimental Medicine</i> , 2007 , 204, 1959-71	16.6	303
55	NPY and receptors in immune and inflammatory diseases. <i>Current Topics in Medicinal Chemistry</i> , 2007 , 7, 1743-52	3	88
54	Potential antiinflammatory role of insulin via the preferential polarization of effector T cells toward a T helper 2 phenotype. <i>Endocrinology</i> , 2007 , 148, 346-53	4.8	126
53	Disrupted cardiac development but normal hematopoiesis in mice deficient in the second CXCL12/SDF-1 receptor, CXCR7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14759-64	11.5	466
52	An important role for B-cell activation factor and B cells in the pathogenesis of Sjögren's syndrome. <i>Current Opinion in Rheumatology</i> , 2007 , 19, 406-13	5.3	45
51	The Y1 receptor for NPY: a key modulator of the adaptive immune system. <i>Peptides</i> , 2007 , 28, 453-8	3.8	55
50	Targeting BAFF: immunomodulation for autoimmune diseases and lymphomas 2006 , 112, 774-86		53
49	BAFF costimulation of Toll-like receptor-activated B-1 cells. <i>European Journal of Immunology</i> , 2006 , 36, 1837-46	6.1	67
48	Development of nephritis but not sialadenitis in autoimmune-prone BAFF transgenic mice lacking marginal zone B cells. <i>European Journal of Immunology</i> , 2006 , 36, 2504-14	6.1	64
47	Targeting the lymphotoxin-beta receptor with agonist antibodies as a potential cancer therapy. <i>Cancer Research</i> , 2006 , 66, 9617-24	10.1	81
46	The role of the BAFF/APRIL system on T cell function. <i>Seminars in Immunology</i> , 2006 , 18, 284-9	10.7	130
45	Travelling with the BAFF/BLyS family: are we there yet?. <i>Seminars in Immunology</i> , 2006 , 18, 261-2	10.7	19
44	Human C5aR knock-in mice facilitate the production and assessment of anti-inflammatory monoclonal antibodies. <i>Nature Biotechnology</i> , 2006 , 24, 1279-84	44.5	49
43	Positive regulation of immune cell function and inflammatory responses by phosphatase PAC-1. <i>Nature Immunology</i> , 2006 , 7, 274-83	19.1	193

42 B Cells and Autoimmunity **2006**, 139-156

41 The BAFF/APRIL system: life beyond B lymphocytes. *Molecular Immunology*, **2005**, 42, 763-72 4.3 118

40 The BAFF/APRIL system: an important player in systemic rheumatic diseases. *Current Directions in Autoimmunity*, **2005**, 8, 243-65 138

39 BAFF overexpression and accelerated glomerular disease in mice with an incomplete genetic predisposition to systemic lupus erythematosus. *Arthritis and Rheumatism*, **2005**, 52, 2080-91 101

38 BAFF augments certain Th1-associated inflammatory responses. *Journal of Immunology*, **2005**, 174, 5537-44 114

37 A fundamental bimodal role for neuropeptide Y1 receptor in the immune system. *Journal of Experimental Medicine*, **2005**, 202, 1527-38 16.6 160

36 Increased expression of CD27 on activated human memory B cells correlates with their commitment to the plasma cell lineage. *Journal of Immunology*, **2005**, 174, 4034-42 5.3 107

35 Toll-like receptor 9-dependent and -independent dendritic cell activation by chromatin-immunoglobulin G complexes. *Journal of Experimental Medicine*, **2004**, 199, 1631-40 16.6 434

34 B cell-activating factor belonging to the TNF family acts through separate receptors to support B cell survival and T cell-independent antibody formation. *Journal of Immunology*, **2004**, 173, 2331-41 5.3 206

33 TNF deficiency fails to protect BAFF transgenic mice against autoimmunity and reveals a predisposition to B cell lymphoma. *Journal of Immunology*, **2004**, 172, 812-22 5.3 145

32 B cell-activating factor belonging to the TNF family (BAFF)-R is the principal BAFF receptor facilitating BAFF costimulation of circulating T and B cells. *Journal of Immunology*, **2004**, 173, 807-17 5.3 388

31 Regulation of B-cell survival by BAFF-dependent PKCdelta-mediated nuclear signalling. *Nature*, **2004**, 431, 456-61 50.4 126

30 The anti-apoptotic factor Bcl-2 can functionally substitute for the B cell survival but not for the marginal zone B cell differentiation activity of BAFF. *European Journal of Immunology*, **2004**, 34, 509-18 6.1 72

29 The role of the BAFF/APRIL system in B cell homeostasis and lymphoid cancers. *Current Opinion in Pharmacology*, **2004**, 4, 347-54 5.1 102

28 Excess BAFF rescues self-reactive B cells from peripheral deletion and allows them to enter forbidden follicular and marginal zone niches. *Immunity*, **2004**, 20, 785-98 32.3 570

27 BAFF AND APRIL: a tutorial on B cell survival. *Annual Review of Immunology*, **2003**, 21, 231-64 34.7 760

26 The TNF family members BAFF and APRIL: the growing complexity. *Cytokine and Growth Factor Reviews*, **2003**, 14, 311-24 17.9 137

25 BAFF selectively enhances the survival of plasmablasts generated from human memory B cells. *Journal of Clinical Investigation*, **2003**, 112, 286-97 15.9 362

24	TNF ligands and receptors in autoimmunity: an update. <i>Current Opinion in Immunology</i> , 2002 , 14, 783-90	7.8	94
23	BAFF: a fundamental survival factor for B cells. <i>Nature Reviews Immunology</i> , 2002 , 2, 465-75	36.5	531
22	Association of BAFF/BLyS overexpression and altered B cell differentiation with Sjögren's syndrome. <i>Journal of Clinical Investigation</i> , 2002 , 109, 59-68	15.9	581
21	Manipulation of lymphoid microenvironments in nonhuman primates by an inhibitor of the lymphotoxin pathway. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1359-1369	15.9	47
20	Association of BAFF/BLyS overexpression and altered B cell differentiation with Sjögren's syndrome. <i>Journal of Clinical Investigation</i> , 2002 , 109, 59-68	15.9	263
19	Manipulation of lymphoid microenvironments in nonhuman primates by an inhibitor of the lymphotoxin pathway. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1359-69	15.9	18
18	Maturation of marginal zone and follicular B cells requires B cell activating factor of the tumor necrosis factor family and is independent of B cell maturation antigen. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1691-7	16.6	199
17	Targeted inactivation of Gh/tissue transglutaminase II. <i>Journal of Biological Chemistry</i> , 2001 , 276, 20673-84	3.4	211
16	Induction of germinal centers by MMTV encoded superantigen on B cells. <i>Autoimmunity</i> , 2001 , 8, 201-11		7
15	Temporary inactivation of follicular dendritic cells delays neuroinvasion of scrapie. <i>Nature Medicine</i> , 2000 , 6, 719-20	50.5	194
14	BAFF mediates survival of peripheral immature B lymphocytes. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1453-66	16.6	574
13	BAFF binds to the tumor necrosis factor receptor-like molecule B cell maturation antigen and is important for maintaining the peripheral B cell population. <i>Journal of Experimental Medicine</i> , 2000 , 192, 129-35	16.6	332
12	Impaired prion replication in spleens of mice lacking functional follicular dendritic cells. <i>Science</i> , 2000 , 288, 1257-9	33.3	300
11	Mice transgenic for BAFF develop lymphocytic disorders along with autoimmune manifestations. <i>Journal of Experimental Medicine</i> , 1999 , 190, 1697-710	16.6	1222
10	BAFF, a novel ligand of the tumor necrosis factor family, stimulates B cell growth. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1747-56	16.6	1089
9	Turning off follicular dendritic cells. <i>Nature</i> , 1998 , 395, 26-7	50.4	170
8	Lymph node genesis is induced by signaling through the lymphotoxin beta receptor. <i>Immunity</i> , 1998 , 9, 71-9	32.3	254
7	Both the lymphotoxin and tumor necrosis factor pathways are involved in experimental murine models of colitis. <i>Gastroenterology</i> , 1998 , 115, 1464-75	13.3	139

6	The sequential role of lymphotoxin and B cells in the development of splenic follicles. <i>Journal of Experimental Medicine</i> , 1998 , 187, 997-1007	16.6	200
5	Lymphotoxin but not tumor necrosis factor functions to maintain splenic architecture and humoral responsiveness in adult mice. <i>European Journal of Immunology</i> , 1997 , 27, 2033-42	6.1	169
4	Signaling through the lymphotoxin beta receptor induces the death of some adenocarcinoma tumor lines. <i>Journal of Experimental Medicine</i> , 1996 , 183, 867-78	16.6	131
3	Surface lymphotoxin alpha/beta complex is required for the development of peripheral lymphoid organs. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1999-2006	16.6	336
2	Lymphotoxin beta receptor triggering induces activation of the nuclear factor kappaB transcription factor in some cell types. <i>Journal of Biological Chemistry</i> , 1996 , 271, 24934-8	5.4	56
1	Tumor necrosis factor alpha (TNF-alpha)-induced cell adhesion to human endothelial cells is under dominant control of one TNF receptor type, TNF-R55. <i>Journal of Experimental Medicine</i> , 1993 , 177, 1277-86	16.6	332