

Bonnie B Blomberg

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

6,865
citations

53751

45
h-index

69214

77
g-index

128
all docs

128
docs citations

128
times ranked

8109
citing authors

#	ARTICLE	IF	CITATIONS
1	Systems Analysis of Immunity to Influenza Vaccination across Multiple Years and in Diverse Populations Reveals Shared Molecular Signatures. <i>Immunity</i> , 2015, 43, 1186-1198.	6.6	286
2	Ageing Down-Regulates the Transcription Factor E2A, Activation-Induced Cytidine Deaminase, and Ig Class Switch in Human B Cells. <i>Journal of Immunology</i> , 2008, 180, 5283-5290.	0.4	276
3	Inflammaging decreases adaptive and innate immune responses in mice and humans. <i>Biogerontology</i> , 2016, 17, 7-19.	2.0	264
4	Ageing, Obesity, and Inflammatory Age-Related Diseases. <i>Frontiers in Immunology</i> , 2017, 8, 1745.	2.2	246
5	Standardizing Flow Cytometry Immunophenotyping Analysis from the Human Immunophenotyping Consortium. <i>Scientific Reports</i> , 2016, 6, 20686.	1.6	240
6	Cognitive-behavioral stress management increases benefit finding and immune function among women with early-stage breast cancer. <i>Journal of Psychosomatic Research</i> , 2004, 56, 1-8.	1.2	228
7	Age effects on B cells and humoral immunity in humans. <i>Ageing Research Reviews</i> , 2011, 10, 330-335.	5.0	223
8	B cells and aging: molecules and mechanisms. <i>Trends in Immunology</i> , 2009, 30, 313-318.	2.9	171
9	Obesity decreases B cell responses in young and elderly individuals. <i>Obesity</i> , 2016, 24, 615-625.	1.5	169
10	Long-term psychological benefits of cognitive-behavioral stress management for women with breast cancer: 11-year follow-up of a randomized controlled trial. <i>Cancer</i> , 2015, 121, 1873-1881.	2.0	142
11	Intrinsic defects in B cell response to seasonal influenza vaccination in elderly humans. <i>Vaccine</i> , 2010, 28, 8077-8084.	1.7	134
12	Reduced Ig Class Switch in Aged Mice Correlates with Decreased E47 and Activation-Induced Cytidine Deaminase. <i>Journal of Immunology</i> , 2004, 172, 2155-2162.	0.4	131
13	Effects of aging on B cell function. <i>Current Opinion in Immunology</i> , 2009, 21, 425-430.	2.4	125
14	Ageing Affects Human B Cell Responses. <i>Journal of Clinical Immunology</i> , 2011, 31, 430-435.	2.0	121
15	Humoral immune response and B-cell functions including immunoglobulin class switch are downregulated in aged mice and humans. <i>Seminars in Immunology</i> , 2005, 17, 378-384.	2.7	120
16	In senescence, age-associated B cells secrete TNF and inhibit survival of B cell precursors*. <i>Ageing Cell</i> , 2013, 12, 303-311.	3.0	120
17	Human peripheral late/exhausted memory B cells express a senescent-associated secretory phenotype and preferentially utilize metabolic signaling pathways. <i>Experimental Gerontology</i> , 2017, 87, 113-120.	1.2	120
18	Cytomegalovirus (CMV) seropositivity decreases B cell responses to the influenza vaccine. <i>Vaccine</i> , 2015, 33, 1433-1439.	1.7	117

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19	The generation of memory B cells is maintained, but the antibody response is not, in the elderly after repeated influenza immunizations. <i>Vaccine</i> , 2016, 34, 2834-2840.	1.7	104
20	High TNF- α levels in resting B cells negatively correlate with their response. <i>Experimental Gerontology</i> , 2014, 54, 116-122.	1.2	101
21	Stress Management Intervention Reduces Serum Cortisol and Increases Relaxation During Treatment for Nonmetastatic Breast Cancer. <i>Psychosomatic Medicine</i> , 2008, 70, 1044-1049.	1.3	100
22	Tristetraprolin, a Negative Regulator of mRNA Stability, Is Increased in Old B Cells and Is Involved in the Degradation of E47 mRNA. <i>Journal of Immunology</i> , 2007, 179, 918-927.	0.4	91
23	Mechanisms for Decreased Function of B Cells in Aged Mice and Humans. <i>Journal of Immunology</i> , 2008, 180, 2741-2746.	0.4	91
24	A randomized controlled trial of cognitive-behavioral stress management in breast cancer: survival and recurrence at 11-year follow-up. <i>Breast Cancer Research and Treatment</i> , 2015, 154, 319-328.	1.1	91
25	A Molecular Mechanism for TNF- α -Mediated Downregulation of B Cell Responses. <i>Journal of Immunology</i> , 2012, 188, 279-286.	0.4	87
26	Unique biomarkers for B-cell function predict the serum response to pandemic H1N1 influenza vaccine. <i>International Immunology</i> , 2012, 24, 175-182.	1.8	82
27	Brief cognitive-behavioral and relaxation training interventions for breast cancer: A randomized controlled trial. <i>Journal of Consulting and Clinical Psychology</i> , 2015, 83, 677-688.	1.6	78
28	B Cell Immunosenescence. <i>Annual Review of Cell and Developmental Biology</i> , 2020, 36, 551-574.	4.0	77
29	Decreased E12 and/or E47 Transcription Factor Activity in the Bone Marrow As Well As in the Spleen of Aged Mice. <i>Journal of Immunology</i> , 2003, 170, 719-726.	0.4	76
30	Young and elderly patients with type 2 diabetes have optimal B cell responses to the seasonal influenza vaccine. <i>Vaccine</i> , 2013, 31, 3603-3610.	1.7	71
31	Decreased E47 in Senescent B Cell Precursors Is Stage Specific and Regulated Posttranslationally by Protein Turnover. <i>Journal of Immunology</i> , 2004, 173, 818-827.	0.4	70
32	Effects of age on H1N1-specific serum IgG1 and IgG3 levels evaluated during the 2011-2012 influenza vaccine season. <i>Immunity and Ageing</i> , 2013, 10, 14.	1.8	70
33	Stress management, leukocyte transcriptional changes and breast cancer recurrence in a randomized trial: An exploratory analysis. <i>Psychoneuroendocrinology</i> , 2016, 74, 269-277.	1.3	68
34	Ageing induces B cell defects and decreased antibody responses to influenza infection and vaccination. <i>Immunity and Ageing</i> , 2020, 17, 37.	1.8	66
35	MicroRNAs miR-155 and miR-16 Decrease AID and E47 in B Cells from Elderly Individuals. <i>Journal of Immunology</i> , 2015, 195, 2134-2140.	0.4	62
36	Obesity induces pro-inflammatory B cells and impairs B cell function in old mice. <i>Mechanisms of Ageing and Development</i> , 2017, 162, 91-99.	2.2	62

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37	Psychosocial adaptation and cellular immunity in breast cancer patients in the weeks after surgery: An exploratory study. <i>Journal of Psychosomatic Research</i> , 2009, 67, 369-376.	1.2	58
38	Secretion of autoimmune antibodies in the human subcutaneous adipose tissue. <i>PLoS ONE</i> , 2018, 13, e0197472.	1.1	58
39	The reduced expression of surrogate light chains in B cell precursors from senescent BALB/c mice is associated with decreased E2A proteins. <i>Mechanisms of Ageing and Development</i> , 2000, 118, 45-59.	2.2	56
40	B cell function and influenza vaccine responses in healthy aging and disease. <i>Current Opinion in Immunology</i> , 2014, 29, 112-118.	2.4	56
41	Sleep Quality and Fatigue after a Stress Management Intervention for Women with Early-Stage Breast Cancer in Southern Florida. <i>International Journal of Behavioral Medicine</i> , 2014, 21, 971-981.	0.8	56
42	Postsurgical Depressive Symptoms and Proinflammatory Cytokine Elevations in Women Undergoing Primary Treatment for Breast Cancer. <i>Psychosomatic Medicine</i> , 2016, 78, 26-37.	1.3	55
43	Influence of obesity on serum levels of SARS-CoV-2-specific antibodies in COVID-19 patients. <i>PLoS ONE</i> , 2021, 16, e0245424.	1.1	52
44	Metabolic requirements of human pro-inflammatory B cells in aging and obesity. <i>PLoS ONE</i> , 2019, 14, e0219545.	1.1	51
45	Adipose Tissue Inflammation Induces B Cell Inflammation and Decreases B Cell Function in Aging. <i>Frontiers in Immunology</i> , 2017, 8, 1003.	2.2	50
46	Metformin improves in vivo and in vitro B cell function in individuals with obesity and Type-2 Diabetes. <i>Vaccine</i> , 2017, 35, 2694-2700.	1.7	48
47	B cells, E2A, and aging. <i>Immunological Reviews</i> , 2005, 205, 30-47.	2.8	46
48	Aging, cytomegalovirus (CMV) and influenza vaccine responses. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 682-690.	1.4	46
49	Leptin induces immunosenescence in human B cells. <i>Cellular Immunology</i> , 2020, 348, 103994.	1.4	46
50	Aging murine B cells have decreased class switch induced by anti-CD40 or BAFF. <i>Experimental Gerontology</i> , 2007, 42, 192-203.	1.2	44
51	Randomized controlled trial of cognitive behavioral stress management in breast cancer: A brief report of effects on 5-year depressive symptoms.. <i>Health Psychology</i> , 2015, 34, 176-180.	1.3	44
52	Deviation of the B Cell Pathway in Senescent Mice Is Associated with Reduced Surrogate Light Chain Expression and Altered Immature B Cell Generation, Phenotype, and Light Chain Expression. <i>Journal of Immunology</i> , 2009, 182, 138-147.	0.4	43
53	Accelerated Notch-Dependent Degradation of E47 Proteins in Aged B Cell Precursors Is Associated with Increased ERK MAPK Activation. <i>Journal of Immunology</i> , 2007, 178, 3521-3529.	0.4	41
54	Age effects on mouse and human B cells. <i>Immunologic Research</i> , 2013, 57, 354-360.	1.3	41

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55	Aged mice exhibit distinct B cell precursor phenotypes differing in activation, proliferation and apoptosis. <i>Experimental Gerontology</i> , 2003, 38, 1137-1147.	1.2	40
56	RNA Stability of the E2A-Encoded Transcription Factor E47 Is Lower in Splenic Activated B Cells from Aged Mice. <i>Journal of Immunology</i> , 2005, 175, 6633-6644.	0.4	40
57	Aging effects on T-bet expression in human B cell subsets. <i>Cellular Immunology</i> , 2017, 321, 68-73.	1.4	39
58	Responders and non-responders to influenza vaccination: A DNA methylation approach on blood cells. <i>Experimental Gerontology</i> , 2018, 105, 94-100.	1.2	39
59	Effect of Age on the Immunoglobulin Class Switch. <i>Critical Reviews in Immunology</i> , 2004, 24, 297-320.	1.0	38
60	B Lymphocytes in Rheumatoid Arthritis and the Effects of Anti-TNF Agents on B Lymphocytes: A Review of the Literature. <i>Clinical Therapeutics</i> , 2018, 40, 1034-1045.	1.1	37
61	Age-associated B cells (ABC) inhibit B lymphopoiesis and alter antibody repertoires in old age. <i>Cellular Immunology</i> , 2017, 321, 61-67.	1.4	36
62	The Impact of Obesity and Metabolic Syndrome on Vaccination Success. <i>Interdisciplinary Topics in Gerontology and Geriatrics</i> , 2020, 43, 86-97.	2.6	36
63	Inhibition of NF- κ B during human dendritic cell differentiation generates energy and regulatory T-cell activity for one but not two human leukocyte antigen DR mismatches. <i>Human Immunology</i> , 2007, 68, 715-729.	1.2	35
64	Immune profiling by multiple gene expression analysis in patients at-risk and with type 1 diabetes. <i>Clinical Immunology</i> , 2011, 139, 290-301.	1.4	35
65	Protein phosphatase 2A (PP2A) is increased in old murine B cells and mediates p38 MAPK/tristetraprolin dephosphorylation and E47 mRNA instability. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 306-314.	2.2	34
66	Differential psychological effects of cognitive-behavioral stress management among breast cancer patients with high and low initial cancer-specific distress. <i>Journal of Psychosomatic Research</i> , 2018, 113, 52-57.	1.2	34
67	Quantity, not quality, of antibody response decreased in the elderly. <i>Journal of Clinical Investigation</i> , 2011, 121, 2981-2983.	3.9	34
68	Post-surgical depressive symptoms and long-term survival in non-metastatic breast cancer patients at 11-year follow-up. <i>General Hospital Psychiatry</i> , 2017, 44, 16-21.	1.2	33
69	Phenotypic and Functional Characterization of Double Negative B Cells in the Blood of Individuals With Obesity. <i>Frontiers in Immunology</i> , 2021, 12, 616650.	2.2	31
70	The majority of SARS-CoV-2-specific antibodies in COVID-19 patients with obesity are autoimmune and not neutralizing. <i>International Journal of Obesity</i> , 2022, 46, 427-432.	1.6	30
71	Age-related factors that affect B cell responses to vaccination in mice and humans. <i>Immunological Reviews</i> , 2020, 296, 142-154.	2.8	29
72	Physical location of the human immunoglobulin lambda-like genes, 14.1, 16.1, and 16.2. <i>Immunogenetics</i> , 1993, 38, 387-399.	1.2	28

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73	Stress Management Skills and Reductions in Serum Cortisol Across the Year After Surgery for Non-Metastatic Breast Cancer. <i>Cognitive Therapy and Research</i> , 2011, 35, 595-600.	1.2	28
74	Adipose tissue, immune aging, and cellular senescence. <i>Seminars in Immunopathology</i> , 2020, 42, 573-587.	2.8	28
75	Effects of aging on proliferation and E47 transcription factor activity induced by different stimuli in murine splenic B cells. <i>Mechanisms of Ageing and Development</i> , 2003, 124, 361-369.	2.2	26
76	Age-related differences in the E2A-encoded transcription factor E47 in bone marrow-derived B cell precursors and in splenic B cells. <i>Experimental Gerontology</i> , 2004, 39, 481-489.	1.2	26
77	NK cells in the CD19 ⁺ B220 ⁺ bone marrow fraction are increased in senescence and reduce E2A and surrogate light chain proteins in B cell precursors. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 384-392.	2.2	26
78	Social well-being is associated with less pro-inflammatory and pro-metastatic leukocyte gene expression in women after surgery for breast cancer. <i>Breast Cancer Research and Treatment</i> , 2017, 165, 169-180.	1.1	23
79	Identification and Characterization of Adipose Tissue-Derived Human Antibodies With "Anti-self" Specificity. <i>Frontiers in Immunology</i> , 2020, 11, 392.	2.2	23
80	Small-Molecule Inhibitors of the CD40-CD40L Costimulatory Protein-Protein Interaction. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8906-8922.	2.9	22
81	Deficient B lymphopoiesis in murine senescence: potential roles for dysregulation of E2A, Pax-5, and STAT5. <i>Seminars in Immunology</i> , 2005, 17, 330-336.	2.7	20
82	Old mice retain bone marrow B1 progenitors, but lose B2 precursors, and exhibit altered immature B cell phenotype and light chain usage. <i>Mechanisms of Ageing and Development</i> , 2009, 130, 401-408.	2.2	20
83	In aged mice, low surrogate light chain promotes pro-B cell apoptotic resistance, compromises the Pre BCR checkpoint, and favors generation of autoreactive, phosphorylcholine-specific B cells. <i>Aging Cell</i> , 2015, 14, 382-390.	3.0	19
84	The effects of a randomized trial of brief forms of stress management on RAGE-associated S100A8/A9 in patients with breast cancer undergoing primary treatment. <i>Cancer</i> , 2019, 125, 1717-1725.	2.0	19
85	FoxP3 mRNA Transcripts and Regulatory Cells in Renal Transplant Recipients 10 Years After Donor Marrow Infusion. <i>Transplantation</i> , 2007, 83, 1611-1619.	0.5	17
86	Effects of fenbendazole on the murine humoral immune system. <i>Journal of the American Association for Laboratory Animal Science</i> , 2009, 48, 251-7.	0.6	17
87	The age-related decrease in E47 DNA-binding does not depend on increased inhibitory proteins in bone marrow-derived B cell precursors. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, a110-116.	3.0	16
88	Immune "tolerance profiles" in donor bone marrow infused kidney transplant patients using multiple ex vivo functional assays. <i>Human Immunology</i> , 2010, 71, 566-576.	1.2	16
89	B Cells with a Senescent-Associated Secretory Phenotype Accumulate in the Adipose Tissue of Individuals with Obesity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1839.	1.8	16
90	Hypermetabolic B cells in the spleens of old mice make antibodies with autoimmune specificities. <i>Immunity and Ageing</i> , 2021, 18, 9.	1.8	16

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91	Intergenic exchange maintains identity between two human lambda light chain immunoglobulin gene intron sequences. <i>Nucleic Acids Research</i> , 1988, 16, 2959-2969.	6.5	14
92	How changes in physical activity relate to fatigue interference, mood, and quality of life during treatment for non-metastatic breast cancer. <i>General Hospital Psychiatry</i> , 2017, 49, 37-43.	1.2	14
93	Obesity Accelerates Age Defects in Mouse and Human B Cells. <i>Frontiers in Immunology</i> , 2020, 11, 2060.	2.2	14
94	Metformin Enhances B Cell Function and Antibody Responses of Elderly Individuals With Type-2 Diabetes Mellitus. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	14
95	Aging impairs murine B cell differentiation and function in primary and secondary lymphoid tissues. , 2011, 2, 361-73.		14
96	Bone marrow cells inhibit the generation of autologous EBV-specific CTL. <i>Human Immunology</i> , 2000, 61, 538-547.	1.2	13
97	Bone marrow cells promote TH2 polarization and inhibit virus-specific CTL generation. <i>Human Immunology</i> , 2000, 61, 1233-1241.	1.2	12
98	Ethnic differences in types of social support from multiple sources after breast cancer surgery. <i>Ethnicity and Health</i> , 2016, 21, 411-425.	1.5	12
99	AID in aging and autoimmune diseases. <i>Autoimmunity</i> , 2013, 46, 168-175.	1.2	11
100	Adipose Tissue: A Tertiary Lymphoid Organ: Does It Change with Age?. <i>Gerontology</i> , 2020, 66, 114-121.	1.4	11
101	Effects of brief stress management interventions on distress and leukocyte nuclear factor kappa B expression during primary treatment for breast cancer: A randomized trial. <i>Psychoneuroendocrinology</i> , 2021, 126, 105163.	1.3	11
102	Nuclear disintegration of target cells by killer B lymphocytes from tumor-bearing mice. <i>FASEB Journal</i> , 1989, 3, 37-43.	0.2	10
103	Effects of aging on DNA-binding activity of the E47 transcription factor in splenic B cells. <i>Mechanisms of Ageing and Development</i> , 2004, 125, 111-112.	2.2	10
104	Obesity Accelerates Age-Associated Defects in Human B Cells Through a Metabolic Reprogramming Induced by the Fatty Acid Palmitate. <i>Frontiers in Aging</i> , 2022, 2, .	1.2	10
105	Very low CD19+ B-lymphocyte percentage is associated with high levels of academic stress among healthy graduate students. <i>Stress and Health</i> , 2008, 24, 413-418.	1.4	9
106	Functional and phenotypic properties of peripheral T cells anergized by autologous CD3+ depleted bone marrow cells. <i>Human Immunology</i> , 2002, 63, 567-575.	1.2	8
107	Induction of Auto-reactive Regulatory T Cells by Stimulation with Immature Autologous Dendritic Cells. <i>Immunological Investigations</i> , 2007, 36, 213-232.	1.0	6
108	Regulation of Human λ Light Chain Gene Expression. <i>Annals of the New York Academy of Sciences</i> , 1995, 764, 84-98.	1.8	6

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109	E47 retroviral rescue of intrinsic B cell defects in senescent mice. <i>Aging Cell</i> , 2011, 10, 327-337.	3.0	6
110	Activation-Induced Cytidine Deaminase and Switched Memory B Cells as Predictors of Effective In Vivo Responses to the Influenza Vaccine. <i>Methods in Molecular Biology</i> , 2015, 1343, 107-114.	0.4	5
111	B Cell-Specific Biomarkers for Optimal Antibody Responses to Influenza Vaccination and Molecular Pathways That Reduce B Cell Function with Aging. <i>Critical Reviews in Immunology</i> , 2016, 36, 523-537.	1.0	5
112	In old BALB/c mice, bone marrow pre-B cell and surrogate light chain reduction is associated with increased B cell reactivity to phosphorylcholine, but reduced T15 idiotype dominance. <i>Mechanisms of Ageing and Development</i> , 2017, 162, 53-62.	2.2	4
113	Inflammatory immune cells may impair the preBCR checkpoint, reduce new B cell production, and alter the antibody repertoire in old age. <i>Experimental Gerontology</i> , 2018, 105, 87-93.	1.2	4
114	Impaired B Cell Function in Mice Lacking Perforin-2. <i>Frontiers in Immunology</i> , 2020, 11, 328.	2.2	4
115	Transgenic Human μ 5 Rescues the Murine μ 5 Nullizygous Phenotype. <i>Journal of Immunology</i> , 2000, 164, 5269-5276.	0.4	2
116	"Aging and immunity" symposium: Meeting report. <i>Experimental Gerontology</i> , 2018, 105, 1-3.	1.2	1
117	Immunophenotyping of Human B Lymphocytes in Blood and in Adipose Tissue. <i>Methods in Molecular Biology</i> , 2019, 2032, 115-127.	0.4	1
118	Molecular Regulation of Compromised B Lymphopoiesis in Aged Mice. <i>Scientific World Journal</i> , The, 2001, 1, 78-78.	0.8	0
119	Transcription Factors in Mature B-Cells During Aging. , 2009, , 381-391.		0
120	Transcription Factors in Mature B Cells During Aging. , 2018, , 1-12.		0
121	Aging down-regulates the transcription factor E2A, activation-induced cytidine deaminase and Ig class switch in human B cells. <i>FASEB Journal</i> , 2008, 22, 847.16.	0.2	0
122	Tristetraprolin down-regulates E47 mRNA stability in old splenic murine B cells. <i>FASEB Journal</i> , 2008, 22, 847.11.	0.2	0
123	Comments on the evaluation of lymphocyte levels in a random sample of 218 elderly individuals from So Paulo city. <i>Revista Brasileira De Hematologia E Hemoterapia</i> , 2011, 33, 333-334.	0.7	0
124	Transcription Factors in Mature B Cells During Aging. , 2019, , 747-758.		0