Bonnie B Blomberg

List of Publications by Year
in descending order

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	The majority of SARS-CoV-2-specific antibodies in COVID-19 patients with obesity are autoimmune and not neutralizing. International Journal of Obesity, 2022, 46, 427-432.	1.6	30
2	Obesity Accelerates Age-Associated Defects in Human B Cells Through a Metabolic Reprogramming Induced by the Fatty Acid Palmitate. Frontiers in Aging, 2022, 2, .	1.2	10
3	Phenotypic and Functional Characterization of Double Negative B Cells in the Blood of Individuals With Obesity. Frontiers in Immunology, 2021, 12, 616650.	2.2	31
4	B Cells with a Senescent-Associated Secretory Phenotype Accumulate in the Adipose Tissue of Individuals with Obesity. International Journal of Molecular Sciences, 2021, 22, 1839.	1.8	16
5	Hyperâ€metabolic B cells in the spleens of old mice make antibodies with autoimmune specificities. Immunity and Ageing, 2021, 18, 9.	1.8	16
6	Influence of obesity on serum levels of SARS-CoV-2-specific antibodies in COVID-19 patients. PLoS ONE, 2021, 16, e0245424.	1.1	52
7	Effects of brief stress management interventions on distress and leukocyte nuclear factor kappa B expression during primary treatment for breast cancer: A randomized trial. Psychoneuroendocrinology, 2021, 126, 105163.	1.3	11
8	Metformin Enhances B Cell Function and Antibody Responses of Elderly Individuals With Type-2 Diabetes Mellitus. Frontiers in Aging, 2021, 2, .	1.2	14
9	Adipose Tissue: A Tertiary Lymphoid Organ: Does It Change with Age?. Gerontology, 2020, 66, 114-121.	1.4	11
10	Leptin induces immunosenescence in human B cells. Cellular Immunology, 2020, 348, 103994.	1.4	46
11	B Cell Immunosenescence. Annual Review of Cell and Developmental Biology, 2020, 36, 551-574.	4.0	77
12	Aging induces B cell defects and decreased antibody responses to influenza infection and vaccination. Immunity and Ageing, 2020, 17, 37.	1.8	66
13	Adipose tissue, immune aging, and cellular senescence. Seminars in Immunopathology, 2020, 42, 573-587.	2.8	28
14	Obesity Accelerates Age Defects in Mouse and Human B Cells. Frontiers in Immunology, 2020, 11, 2060.	2.2	14
15	Ageâ€related factors that affect B cell responses to vaccination in mice and humans. Immunological Reviews, 2020, 296, 142-154.	2.8	29
16	Impaired B Cell Function in Mice Lacking Perforin-2. Frontiers in Immunology, 2020, 11, 328.	2.2	4
17	Identification and Characterization of Adipose Tissue-Derived Human Antibodies With â€œAnti-selfâ€• Specificity. Frontiers in Immunology, 2020, 11, 392.	2.2	23
18	The Impact of Obesity and Metabolic Syndrome on Vaccination Success. Interdisciplinary Topics in Gerontology and Geriatrics, 2020, 43, 86-97.	2.6	36

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19	Metabolic requirements of human pro-inflammatory B cells in aging and obesity. PLoS ONE, 2019, 14, e0219545.	1.1	51
20	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. Cancer, 2019, 125, 1717-1725.	2.0	19
21	Immunophenotyping of Human B Lymphocytes in Blood and in Adipose Tissue. Methods in Molecular Biology, 2019, 2032, 115-127.	0.4	1
22	Transcription Factors in Mature B Cells During Aging. , 2019, , 747-758.		0
23	Responders and non-responders to influenza vaccination: A DNA methylation approach on blood cells. Experimental Gerontology, 2018, 105, 94-100.	1.2	39
24	Inflammatory immune cells may impair the preBCR checkpoint, reduce new B cell production, and alter the antibody repertoire in old age. Experimental Gerontology, 2018, 105, 87-93.	1.2	4
25	"Aging and immunity"symposium: Meeting report. Experimental Gerontology, 2018, 105, 1-3.	1.2	1
26	Secretion of autoimmune antibodies in the human subcutaneous adipose tissue. PLoS ONE, 2018, 13, e0197472.	1.1	58
27	Transcription Factors in Mature B Cells During Aging. , 2018, , 1-12.		0
28	B Lymphocytes in Rheumatoid Arthritis and the Effects of Anti‑TNF-α Agents on B Lymphocytes: A Review of the Literature. Clinical Therapeutics, 2018, 40, 1034-1045.	1.1	37
29	Differential psychological effects of cognitive-behavioral stress management among breast cancer patients with high and low initial cancer-specific distress. Journal of Psychosomatic Research, 2018, 113, 52-57.	1.2	34
30	Obesity induces pro-inflammatory B cells and impairs B cell function in old mice. Mechanisms of Ageing and Development, 2017, 162, 91-99.	2.2	62
31	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. Mechanisms of Ageing and Development, 2017, 162, 53-62.	2.2	4
32	Metformin improves in vivo and in vitro B cell function in individuals with obesity and Type-2 Diabetes. Vaccine, 2017, 35, 2694-2700.	1.7	48
33	Aging effects on T-bet expression in human B cell subsets. Cellular Immunology, 2017, 321, 68-73.	1.4	39
34	Age-associated B cells (ABC) inhibit B lymphopoiesis and alter antibody repertoires in old age. Cellular Immunology, 2017, 321, 61-67.	1.4	36
35	Social well-being is associated with less pro-inflammatory and pro-metastatic leukocyte gene expression in women after surgery for breast cancer. Breast Cancer Research and Treatment, 2017, 165, 169-180.	1.1	23
36	How changes in physical activity relate to fatigue interference, mood, and quality of life during treatment for non-metastatic breast cancer. General Hospital Psychiatry, 2017, 49, 37-43.	1.2	14

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37	Human peripheral late/exhausted memory B cells express a senescent-associated secretory phenotype and preferentially utilize metabolic signaling pathways. Experimental Gerontology, 2017, 87, 113-120.	1.2	120
38	Small-Molecule Inhibitors of the CD40–CD40L Costimulatory Protein–Protein Interaction. Journal of Medicinal Chemistry, 2017, 60, 8906-8922.	2.9	22
39	Post-surgical depressive symptoms and long-term survival in non-metastatic breast cancer patients at 11-year follow-up. General Hospital Psychiatry, 2017, 44, 16-21.	1.2	33
40	Adipose Tissue Inflammation Induces B Cell Inflammation and Decreases B Cell Function in Aging. Frontiers in Immunology, 2017, 8, 1003.	2.2	50
41	Aging, Obesity, and Inflammatory Age-Related Diseases. Frontiers in Immunology, 2017, 8, 1745.	2.2	246
42	Postsurgical Depressive Symptoms and Proinflammatory Cytokine Elevations in Women Undergoing Primary Treatment for Breast Cancer. Psychosomatic Medicine, 2016, 78, 26-37.	1.3	55
43	Obesity decreases <scp>B</scp> cell responses in young and elderly individuals. Obesity, 2016, 24, 615-625.	1.5	169
44	The generation of memory B cells is maintained, but the antibody response is not, in the elderly after repeated influenza immunizations. Vaccine, 2016, 34, 2834-2840.	1.7	104
45	Stress management, leukocyte transcriptional changes and breast cancer recurrence in a randomized trial: An exploratory analysis. Psychoneuroendocrinology, 2016, 74, 269-277.	1.3	68
46	Standardizing Flow Cytometry Immunophenotyping Analysis from the Human ImmunoPhenotyping Consortium. Scientific Reports, 2016, 6, 20686.	1.6	240
47	Aging, cytomegalovirus (CMV) and influenza vaccine responses. Human Vaccines and Immunotherapeutics, 2016, 12, 682-690.	1.4	46
48	Ethnic differences in types of social support from multiple sources after breast cancer surgery. Ethnicity and Health, 2016, 21, 411-425.	1.5	12
49	Inflammaging decreases adaptive and innate immune responses in mice and humans. Biogerontology, 2016, 17, 7-19.	2.0	264
50	B Cell–Specific Biomarkers for Optimal Antibody Responses to Influenza Vaccination and Molecular Pathways That Reduce B Cell Function with Aging. Critical Reviews in Immunology, 2016, 36, 523-537.	1.0	5
51	Brief cognitive–behavioral and relaxation training interventions for breast cancer: A randomized controlled trial.. Journal of Consulting and Clinical Psychology, 2015, 83, 677-688.	1.6	78
52	Randomized controlled trial of cognitive behavioral stress management in breast cancer: A brief report of effects on 5-year depressive symptoms.. Health Psychology, 2015, 34, 176-180.	1.3	44
53	Cytomegalovirus (CMV) seropositivity decreases B cell responses to the influenza vaccine. Vaccine, 2015, 33, 1433-1439.	1.7	117
54	Systems Analysis of Immunity to Influenza Vaccination across Multiple Years and in Diverse Populations Reveals Shared Molecular Signatures. Immunity, 2015, 43, 1186-1198.	6.6	286

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55	A randomized controlled trial of cognitive-behavioral stress management in breast cancer: survival and recurrence at 11-year follow-up. Breast Cancer Research and Treatment, 2015, 154, 319-328.	1.1	91
56	Long‐term psychological benefits of cognitive‐behavioral stress management for women with breast cancer: 11‐year follow‐up of a randomized controlled trial. Cancer, 2015, 121, 1873-1881.	2.0	142
57	MicroRNAs miR-155 and miR-16 Decrease AID and E47 in B Cells from Elderly Individuals. Journal of Immunology, 2015, 195, 2134-2140.	0.4	62
58	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. Aging Cell, 2015, 14, 382-390.	3.0	19
59	Activation-Induced Cytidine Deaminase and Switched Memory B Cells as Predictors of Effective In Vivo Responses to the Influenza Vaccine. Methods in Molecular Biology, 2015, 1343, 107-114.	0.4	5
60	B cell function and influenza vaccine responses in healthy aging and disease. Current Opinion in Immunology, 2014, 29, 112-118.	2.4	56
61	Sleep Quality and Fatigue after a Stress Management Intervention for Women with Early-Stage Breast Cancer in Southern Florida. International Journal of Behavioral Medicine, 2014, 21, 971-981.	0.8	56
62	High TNF-α levels in resting B cells negatively correlate with their response. Experimental Gerontology, 2014, 54, 116-122.	1.2	101
63	Effects of age on H1N1-specific serum IgG1 and IgG3 levels evaluated during the 2011–2012 influenza vaccine season. Immunity and Ageing, 2013, 10, 14.	1.8	70
64	Age effects on mouse and human B cells. Immunologic Research, 2013, 57, 354-360.	1.3	41
65	Young and elderly patients with type 2 diabetes have optimal B cell responses to the seasonal influenza vaccine. Vaccine, 2013, 31, 3603-3610.	1.7	71
66	AID in aging and autoimmune diseases. Autoimmunity, 2013, 46, 168-175.	1.2	11
67	In senescence, age‐associated B cells secrete TNFα and inhibit survival of B‐cell precursors*. Aging Cell, 2013, 12, 303-311.	3.0	120
68	Unique biomarkers for B-cell function predict the serum response to pandemic H1N1 influenza vaccine. International Immunology, 2012, 24, 175-182.	1.8	82
69	A Molecular Mechanism for TNF-α‐Mediated Downregulation of B Cell Responses. Journal of Immunology, 2012, 188, 279-286.	0.4	87
70	Age effects on B cells and humoral immunity in humans. Ageing Research Reviews, 2011, 10, 330-335.	5.0	223
71	E47 retroviral rescue of intrinsic B‐cell defects in senescent mice. Aging Cell, 2011, 10, 327-337.	3.0	6
72	Immune profiling by multiple gene expression analysis in patients at-risk and with type 1 diabetes. Clinical Immunology, 2011, 139, 290-301.	1.4	35

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73	Aging Affects Human B Cell Responses. Journal of Clinical Immunology, 2011, 31, 430-435.	2.0	121
74	Stress Management Skills and Reductions in Serum Cortisol Across the Year After Surgery for Non-Metastatic Breast Cancer. Cognitive Therapy and Research, 2011, 35, 595-600.	1.2	28
75	Quantity, not quality, of antibody response decreased in the elderly. Journal of Clinical Investigation, 2011, 121, 2981-2983.	3.9	34
76	Comments on the evaluation of lymphocyte levels in a random sample of 218 elderly individuals from SÃ£o Paulo city. Revista Brasileira De Hematologia E Hemoterapia, 2011, 33, 333-334.	0.7	0
77	Aging impairs murine B cell differentiation and function in primary and secondary lymphoid tissues. , 2011, 2, 361-73.		14
78	Protein phosphatase 2A (PP2A) is increased in old murine B cells and mediates p38 MAPK/tristetraprolin dephosphorylation and E47 mRNA instability. Mechanisms of Ageing and Development, 2010, 131, 306-314.	2.2	34
79	Immune â€œtolerance profilesâ€•in donor bone marrow infused kidney transplant patients using multiple ex vivo functional assays. Human Immunology, 2010, 71, 566-576.	1.2	16
80	Intrinsic defects in B cell response to seasonal influenza vaccination in elderly humans. Vaccine, 2010, 28, 8077-8084.	1.7	134
81	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. Journal of Immunology, 2009, 182, 138-147.	0.4	43
82	Transcription Factors in Mature B-Cells During Aging. , 2009, , 381-391.		0
83	NK cells in the CD19â€ B220+ bone marrow fraction are increased in senescence and reduce E2A and surrogate light chain proteins in B cell precursors. Mechanisms of Ageing and Development, 2009, 130, 384-392.	2.2	26
84	Old mice retain bone marrow B1 progenitors, but lose B2 precursors, and exhibit altered immature B cell phenotype and light chain usage. Mechanisms of Ageing and Development, 2009, 130, 401-408.	2.2	20
85	Effects of aging on B cell function. Current Opinion in Immunology, 2009, 21, 425-430.	2.4	125
86	B cells and aging: molecules and mechanisms. Trends in Immunology, 2009, 30, 313-318.	2.9	171
87	Psychosocial adaptation and cellular immunity in breast cancer patients in the weeks after surgery: An exploratory study. Journal of Psychosomatic Research, 2009, 67, 369-376.	1.2	58
88	Effects of fenbendazole on the murine humoral immune system. Journal of the American Association for Laboratory Animal Science, 2009, 48, 251-7.	0.6	17
89	Very low CD19+ Bâ€lymphocyte percentage is associated with high levels of academic stress among healthy graduate students. Stress and Health, 2008, 24, 413-418.	1.4	9
90	Aging Down-Regulates the Transcription Factor E2A, Activation-Induced Cytidine Deaminase, and Ig Class Switch in Human B Cells. Journal of Immunology, 2008, 180, 5283-5290.	0.4	276

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91	Mechanisms for Decreased Function of B Cells in Aged Mice and Humans. Journal of Immunology, 2008, 180, 2741-2746.	0.4	91
92	Stress Management Intervention Reduces Serum Cortisol and Increases Relaxation During Treatment for Nonmetastatic Breast Cancer. Psychosomatic Medicine, 2008, 70, 1044-1049.	1.3	100
93	Aging down‑regulates the transcription factor E2A, activation‑induced cytidine deaminase and Ig class switch in human B cells. FASEB Journal, 2008, 22, 847.16.	0.2	0
94	Tristetraprolin down‑regulates E47 mRNA stability in old splenic murine B cells. FASEB Journal, 2008, 22, 847.11.	0.2	0
95	Tristetraprolin, a Negative Regulator of mRNA Stability, Is Increased in Old B Cells and Is Involved in the Degradation of E47 mRNA. Journal of Immunology, 2007, 179, 918-927.	0.4	91
96	Accelerated Notch-Dependent Degradation of E47 Proteins in Aged B Cell Precursors Is Associated with Increased ERK MAPK Activation. Journal of Immunology, 2007, 178, 3521-3529.	0.4	41
97	Induction of Auto-reactive Regulatory T Cells by Stimulation with Immature Autologous Dendritic Cells. Immunological Investigations, 2007, 36, 213-232.	1.0	6
98	FoxP3 mRNA Transcripts and Regulatory Cells in Renal Transplant Recipients 10 Years After Donor Marrow Infusion. Transplantation, 2007, 83, 1611-1619.	0.5	17
99	Inhibition of NF-ÎºB during human dendritic cell differentiation generates anergy and regulatory T-cell activity for one but not two human leukocyte antigen DR mismatches. Human Immunology, 2007, 68, 715-729.	1.2	35
100	Aging murine B cells have decreased class switch induced by anti-CD40 or BAFF. Experimental Gerontology, 2007, 42, 192-203.	1.2	44
101	B cells, E2A, and aging. Immunological Reviews, 2005, 205, 30-47.	2.8	46
102	RNA Stability of the E2A-Encoded Transcription Factor E47 Is Lower in Splenic Activated B Cells from Aged Mice. Journal of Immunology, 2005, 175, 6633-6644.	0.4	40
103	Humoral immune response and B-cell functions including immunoglobulin class switch are downregulated in aged mice and humans. Seminars in Immunology, 2005, 17, 378-384.	2.7	120
104	Deficient B lymphopoiesis in murine senescence: potential roles for dysregulation of E2A, Pax-5, and STAT5. Seminars in Immunology, 2005, 17, 330-336.	2.7	20
105	Reduced Ig Class Switch in Aged Mice Correlates with Decreased E47 and Activation-Induced Cytidine Deaminase. Journal of Immunology, 2004, 172, 2155-2162.	0.4	131
106	Decreased E47 in Senescent B Cell Precursors Is Stage Specific and Regulated Posttranslationally by Protein Turnover. Journal of Immunology, 2004, 173, 818-827.	0.4	70
107	Effects of aging on DNA-binding activity of the E47 transcription factor in splenic B cells. Mechanisms of Ageing and Development, 2004, 125, 111-112.	2.2	10
108	Age-related differences in the E2A-encoded transcription factor E47 in bone marrow-derived B cell precursors and in splenic B cells. Experimental Gerontology, 2004, 39, 481-489.	1.2	26

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109	Cognitive–behavioral stress management increases benefit finding and immune function among women with early-stage breast cancer. Journal of Psychosomatic Research, 2004, 56, 1-8.	1.2	228
110	Effect of Age on the Immunoglobulin Class Switch. Critical Reviews in Immunology, 2004, 24, 297-320.	1.0	38
111	Aged mice exhibit distinct B cell precursor phenotypes differing in activation, proliferation and apoptosis. Experimental Gerontology, 2003, 38, 1137-1147.	1.2	40
112	Effects of aging on proliferation and E47 transcription factor activity induced by different stimuli in murine splenic B cells. Mechanisms of Ageing and Development, 2003, 124, 361-369.	2.2	26
113	Decreased E12 and/or E47 Transcription Factor Activity in the Bone Marrow As Well As in the Spleen of Aged Mice. Journal of Immunology, 2003, 170, 719-726.	0.4	76
114	The age-related decrease in E47 DNA-binding does not depend on increased id inhibitory proteins in bone marrow-derived B cell precursors. Frontiers in Bioscience - Landmark, 2003, 8, a110-116.	3.0	16
115	Functional and phenotypic properties of peripheral T cells anergized by autologous CD3+ depleted bone marrow cells. Human Immunology, 2002, 63, 567-575.	1.2	8
116	Molecular Regulation of Compromised B Lymphopoeisis in Aged Mice. Scientific World Journal, The, 2001, 1, 78-78.	0.8	0
117	The reduced expression of surrogate light chains in B cell precursors from senescent BALB/c mice is associated with decreased E2A proteins. Mechanisms of Ageing and Development, 2000, 118, 45-59.	2.2	56
118	Transgenic Human λ5 Rescues the Murine λ5 Nullizygous Phenotype. Journal of Immunology, 2000, 164, 5269-5276.	0.4	2
119	Bone marrow cells inhibit the generation of autologous EBV-specific CTL. Human Immunology, 2000, 61, 538-547.	1.2	13
120	Bone marrow cells promote TH2 polarization and inhibit virus-specific CTL generation. Human Immunology, 2000, 61, 1233-1241.	1.2	12
121	Regulation of Human λ Light Chain Gene Expression[a]. Annals of the New York Academy of Sciences, 1995, 764, 84-98.	1.8	6
122	Physical location of the human immunoglobulin lambda-like genes, 14.1, 16.1, and 16.2. Immunogenetics, 1993, 38, 387-399.	1.2	28
123	Nuclear disintegration of target cells by killer B lymphocytes from tumor–bearing mice. FASEB Journal, 1989, 3, 37-43.	0.2	10
124	Intergenic exchange maintains identity between two human lambda light chain immunoglobulin gene intron sequences. Nucleic Acids Research, 1988, 16, 2959-2969.	6.5	14