

Joe Brice Weinberg

List of Publications by Year in descending order

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102
papers

5,081
citations

76294

40
h-index

91828

69
g-index

106
all docs

106
docs citations

106
times ranked

6390
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Biomechanics and Inflammation in Cartilage Injury and Repair. <i>Clinical Orthopaedics and Related Research</i> , 2004, 423, 17-26.	0.7	272
2	Impaired nitric oxide bioavailability and L-arginine-reversible endothelial dysfunction in adults with falciparum malaria. <i>Journal of Experimental Medicine</i> , 2007, 204, 2693-2704.	4.2	270
3	Interleukin-1, tumor necrosis factor α , and interleukin-17 synergistically up-regulate nitric oxide and prostaglandin E2 production in explants of human osteoarthritic knee menisci. <i>Arthritis and Rheumatism</i> , 2001, 44, 2078-2083.	6.7	197
4	Nitric Oxide Production and Nitric Oxide Synthase Type 2 Expression by Human Mononuclear Phagocytes: A Review. <i>Molecular Medicine</i> , 1998, 4, 557-591.	1.9	188
5	Genome-wide association study identifies multiple risk loci for chronic lymphocytic leukemia. <i>Nature Genetics</i> , 2013, 45, 868-876.	9.4	179
6	A new NOS2 promoter polymorphism associated with increased nitric oxide production and protection from severe malaria in Tanzanian and Kenyan children. <i>Lancet, The</i> , 2002, 360, 1468-1475.	6.3	176
7	Low plasma arginine concentrations in children with cerebral malaria and decreased nitric oxide production. <i>Lancet, The</i> , 2003, 361, 676-678.	6.3	154
8	Nitric Oxide Synthase 2 (G8954C), Increased Nitric Oxide Production, and Protection against Malaria. <i>Journal of Infectious Diseases</i> , 2001, 184, 330-336.	1.9	152
9	Serum and ascitic fluid levels of interleukin-1, interleukin-6, and tumor necrosis factor-alpha in patients with ovarian epithelial cancer. <i>Cancer</i> , 1993, 72, 2433-2440.	2.0	150
10	The effects of static and intermittent compression on nitric oxide production in articular cartilage explants. <i>Journal of Orthopaedic Research</i> , 2001, 19, 729-737.	1.2	138
11	Relationship of Cell-Free Hemoglobin to Impaired Endothelial Nitric Oxide Bioavailability and Perfusion in Severe Falciparum Malaria. <i>Journal of Infectious Diseases</i> , 2009, 200, 1522-1529.	1.9	124
12	Genome-wide association study identifies a novel susceptibility locus at 6p21.3 among familial CLL. <i>Blood</i> , 2011, 117, 1911-1916.	0.6	118
13	Interferon- γ Activation of Human Blood Mononuclear Cells In Vitro and In Vivo for Nitric Oxide Synthase (NOS) Type 2 mRNA and Protein Expression: Possible Relationship of Induced NOS2 to the Anti-Hepatitis C Effects of IFN- γ In Vivo. <i>Journal of Experimental Medicine</i> , 1997, 186, 1495-1502.	4.2	116
14	Suppression of Glut1 and Glucose Metabolism by Decreased Akt/mTORC1 Signaling Drives T Cell Impairment in B Cell Leukemia. <i>Journal of Immunology</i> , 2016, 197, 2532-2540.	0.4	110
15	SET oncoprotein overexpression in B-cell chronic lymphocytic leukemia and non-Hodgkin lymphoma: a predictor of aggressive disease and a new treatment target. <i>Blood</i> , 2011, 118, 4150-4158.	0.6	108
16	Nitric Oxide Synthase 2 and Cyclooxygenase 2 Interactions in Inflammation. <i>Immunologic Research</i> , 2000, 22, 319-342.	1.3	95
17	Meta-analysis of genome-wide association studies discovers multiple loci for chronic lymphocytic leukemia. <i>Nature Communications</i> , 2016, 7, 10933.	5.8	94
18	Disease severity in rheumatoid arthritis: Relationships of plasma tumor necrosis factor- α , soluble interleukin 2-receptor, soluble CD4/CD8 ratio, neopterin, and fibrin D-dimer to traditional severity and functional measures. <i>Journal of Clinical Immunology</i> , 1992, 12, 353-361.	2.0	91

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19	Endocytosis of red blood cells or haemoglobin by activated macrophages inhibits their tumoricidal effect. <i>Nature</i> , 1977, 269, 245-247.	13.7	86
20	Arginine, nitric oxide, carbon monoxide, and endothelial function in severe malaria. <i>Current Opinion in Infectious Diseases</i> , 2008, 21, 468-475.	1.3	84
21	Enhanced integrative repair of the porcine meniscus in vitro by inhibition of interleukin-1 or tumor necrosis factor α . <i>Arthritis and Rheumatism</i> , 2007, 56, 3033-3043.	6.7	80
22	Regulation of matrix turnover in meniscal explants: role of mechanical stress, interleukin-1, and nitric oxide. <i>Journal of Applied Physiology</i> , 2003, 95, 308-313.	1.2	77
23	Common variation at 6p21.31 (BAK1) influences the risk of chronic lymphocytic leukemia. <i>Blood</i> , 2012, 120, 843-846.	0.6	76
24	Inhibition of integrative repair of the meniscus following acute exposure to interleukin-1 in vitro. <i>Journal of Orthopaedic Research</i> , 2008, 26, 504-512.	1.2	75
25	Recovery of Endothelial Function in Severe Falciparum Malaria: Relationship with Improvement in Plasma Arginine and Blood Lactate Concentrations. <i>Journal of Infectious Diseases</i> , 2008, 198, 602-608.	1.9	73
26	Repair Response of the Inner and Outer Regions of the Porcine Meniscus in Vitro. <i>American Journal of Sports Medicine</i> , 2007, 35, 754-762.	1.9	71
27	Increased Asymmetric Dimethylarginine in Severe Falciparum Malaria: Association with Impaired Nitric Oxide Bioavailability and Fatal Outcome. <i>PLoS Pathogens</i> , 2010, 6, e1000868.	2.1	70
28	Reduction of NOS2 overexpression in rheumatoid arthritis patients treated with anti-tumor necrosis factor α monoclonal antibody (cA2). <i>Arthritis and Rheumatism</i> , 1998, 41, 2205-2210.	6.7	66
29	Inhibition of Matrix Metalloproteinases Enhances In Vitro Repair of the Meniscus. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 1557-1567.	0.7	66
30	Common occurrence of monoclonal B-cell lymphocytosis among members of high-risk CLL families. <i>British Journal of Haematology</i> , 2010, 151, 152-158.	1.2	61
31	Influence of hypoxia and reoxygenation on cytokine-induced production of proinflammatory mediators in articular cartilage. <i>Arthritis and Rheumatism</i> , 2002, 46, 968-975.	6.7	58
32	Inhibition of nitric oxide synthase by cobalamins and cobinamides. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1626-1632.	1.3	58
33	Blood Mononuclear Cell Nitric Oxide Production and Plasma Cytokine Levels in Healthy Gabonese Children with Prior Mild or Severe Malaria. <i>Infection and Immunity</i> , 1999, 67, 4977-4981.	1.0	55
34	Peroxynitrite Formation and Decreased Catalase Activity in Autoimmune MRL-lpr/lpr Mice. <i>Molecular Medicine</i> , 2000, 6, 779-792.	1.9	53
35	The effects of cyclic mechanical strain and tumor necrosis factor alpha on the response of cells of the meniscus. <i>Osteoarthritis and Cartilage</i> , 2004, 12, 956-962.	0.6	51
36	Plasma Plasmodium falciparum Histidine-Rich Protein-2 Concentrations Are Associated with Malaria Severity and Mortality in Tanzanian Children. <i>PLoS ONE</i> , 2012, 7, e35985.	1.1	48

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37	Clinical and molecular predictors of disease severity and survival in chronic lymphocytic leukemia. <i>American Journal of Hematology</i> , 2007, 82, 1063-1070.	2.0	47
38	Thermodynamics of Oxidation-Reduction Reactions in Mammalian Nitric-oxide Synthase Isoforms. <i>Journal of Biological Chemistry</i> , 2004, 279, 18759-18766.	1.6	45
39	Differential Activation of Nitric-oxide Synthase Isozymes by Calmodulin-Troponin C Chimeras. <i>Journal of Biological Chemistry</i> , 2004, 279, 33547-33557.	1.6	44
40	Interferon- γ -induced polyarthritis in a patient with the HLA-DRB1*0404 allele. <i>Arthritis and Rheumatism</i> , 1999, 42, 569-573.	6.7	40
41	Decreased Endothelial Nitric Oxide Bioavailability, Impaired Microvascular Function, and Increased Tissue Oxygen Consumption in Children with Falciparum Malaria. <i>Journal of Infectious Diseases</i> , 2014, 210, 1627-1632.	1.9	38
42	Monocyte polarization in children with falciparum malaria: relationship to nitric oxide insufficiency and disease severity. <i>Scientific Reports</i> , 2016, 6, 29151.	1.6	38
43	A Genomic Approach to Improve Prognosis and Predict Therapeutic Response in Chronic Lymphocytic Leukemia. <i>Clinical Cancer Research</i> , 2009, 15, 6947-6955.	3.2	37
44	Biaxial Strain Effects on Cells from the Inner and Outer Regions of the Meniscus. <i>Connective Tissue Research</i> , 2006, 47, 207-214.	1.1	36
45	Nitric Oxide Synthase and Cyclooxygenase Interactions in Cartilage and Meniscus. , 2007, 42, 31-62.		35
46	Dimethylarginines: Endogenous Inhibitors of Nitric Oxide Synthesis in Children With Falciparum Malaria. <i>Journal of Infectious Diseases</i> , 2014, 210, 913-922.	1.9	35
47	Impaired Systemic Tetrahydrobiopterin Bioavailability and Increased Dihydrobiopterin in Adult Falciparum Malaria: Association with Disease Severity, Impaired Microvascular Function and Increased Endothelial Activation. <i>PLoS Pathogens</i> , 2015, 11, e1004667.	2.1	33
48	Host Response to Infection: the Role of CpG DNA in Induction of Cyclooxygenase 2 and Nitric Oxide Synthase 2 in Murine Macrophages. <i>Infection and Immunity</i> , 2001, 69, 7703-7710.	1.0	32
49	Progressive immunoglobulin gene mutations in chronic lymphocytic leukemia: evidence for antigen-driven intraclonal diversification. <i>Blood</i> , 2007, 109, 1559-1567.	0.6	32
50	Genetic Susceptibility Variants for Chronic Lymphocytic Leukemia. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 1098-1102.	1.1	31
51	Glycocalyx Breakdown Is Associated With Severe Disease and Fatal Outcome in Plasmodium falciparum Malaria. <i>Clinical Infectious Diseases</i> , 2019, 69, 1712-1720.	2.9	31
52	Impaired Systemic Tetrahydrobiopterin Bioavailability and Increased Oxidized Biopterins in Pediatric Falciparum Malaria: Association with Disease Severity. <i>PLoS Pathogens</i> , 2015, 11, e1004655.	2.1	29
53	Meniscus-Derived Matrix Scaffolds Promote the Integrative Repair of Meniscal Defects. <i>Scientific Reports</i> , 2019, 9, 8719.	1.6	29
54	Perifosine treatment in chronic lymphocytic leukemia: results of a phase II clinical trial and <i>in vitro</i> studies. <i>Leukemia and Lymphoma</i> , 2014, 55, 1067-1075.	0.6	28

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55	Safety Profile of L-Arginine Infusion in Moderately Severe Falciparum Malaria. PLoS ONE, 2008, 3, e2347.	1.1	28
56	Metastatic hemangiopericytoma with prolonged survival. Cancer, 1987, 60, 916-920.	2.0	24
57	PIG-A, DAF and proto-oncogene expression in paroxysmal nocturnal haemoglobinuria-associated acute myelogenous leukaemia blasts. British Journal of Haematology, 1995, 89, 72-78.	1.2	24
58	<scp>SET</scp> alpha and <scp>SET</scp> beta <scp>mRNA</scp> isoforms in chronic lymphocytic leukaemia. British Journal of Haematology, 2019, 184, 605-615.	1.2	24
59	Malaria severity and human nitric oxide synthase type 2 (NOS2) promoter haplotypes. Human Genetics, 2010, 127, 163-182.	1.8	23
60	Association of polygenic risk score with the risk of chronic lymphocytic leukemia and monoclonal B-cell lymphocytosis. Blood, 2018, 131, 2541-2551.	0.6	21
61	Mechanical Stress and Nitric Oxide Influence Leukotriene Production in Cartilage. Biochemical and Biophysical Research Communications, 2001, 285, 806-810.	1.0	20
62	Relationship of blood monocytes with chronic lymphocytic leukemia aggressiveness and outcomes: a multi-institutional study. American Journal of Hematology, 2016, 91, 687-691.	2.0	20
63	Nitric Oxide-Dependent Endothelial Dysfunction and Reduced Arginine Bioavailability in Plasmodium vivax Malaria but No Greater Increase in Intravascular Hemolysis in Severe Disease. Journal of Infectious Diseases, 2016, 214, 1557-1564.	1.9	19
64	Serum, urinary, and salivary nitric oxide in rheumatoid arthritis: complexities of interpreting nitric oxide measures. Arthritis Research and Therapy, 2006, 8, R140.	1.6	18
65	Statin use and need for therapy in chronic lymphocytic leukemia. Leukemia and Lymphoma, 2010, 51, 2295-2298.	0.6	18
66	An investigation of vago-regulatory and health-behavior accounts for increased inflammation in posttraumatic stress disorder. Journal of Psychosomatic Research, 2016, 83, 33-39.	1.2	18
67	Glycocalyx breakdown is increased in African children with cerebral and uncomplicated falciparum malaria. FASEB Journal, 2019, 33, 14185-14193.	0.2	18
68	Kinetic and Cross-Sectional Studies on the Genesis of Hypoargininemia in Severe Pediatric <i>Plasmodium falciparum</i> Malaria. Infection and Immunity, 2019, 87, .	1.0	17
69	Single nucleotide polymorphisms and inherited risk of chronic lymphocytic leukemia among African Americans. Blood, 2012, 120, 1687-1690.	0.6	16
70	Natural history of monoclonal B-cell lymphocytosis among relatives in CLL families. Blood, 2021, 137, 2046-2056.	0.6	16
71	Meniscus-Derived Matrix Bioscaffolds: Effects of Concentration and Cross-Linking on Meniscus Cellular Responses and Tissue Repair. International Journal of Molecular Sciences, 2020, 21, 44.	1.8	15
72	Nitric Oxide as an Inflammatory Mediator in Autoimmune MRL-lpr/lpr Mice. Environmental Health Perspectives, 1998, 106, 1131.	2.8	12

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73	Early Endothelial Activation Precedes Glycocalyx Degradation and Microvascular Dysfunction in Experimentally Induced Plasmodium falciparum and Plasmodium vivax Infection. Infection and Immunity, 2020, 88, .	1.0	12
74	CLL cell apoptosis induced by nitric oxide synthase inhibitors: Correlation with lipid solubility and NOS1 dissociation constant. Leukemia Research, 2008, 32, 1061-1070.	0.4	11
75	CD38 variation as a prognostic factor in chronic lymphocytic leukemia. Leukemia and Lymphoma, 2014, 55, 191-194.	0.6	11
76	Evaluation of culture conditions for <i>in vitro</i> meniscus repair model systems using bone marrow-derived mesenchymal stem cells. Connective Tissue Research, 2020, 61, 322-337.	1.1	11
77	Enhanced CDC of B cell chronic lymphocytic leukemia cells mediated by rituximab combined with a novel anti-complement factor H antibody. PLoS ONE, 2017, 12, e0179841.	1.1	11
78	Vascular Dysfunction in Malaria: Understanding the Role of the Endothelial Glycocalyx. Frontiers in Cell and Developmental Biology, 2021, 9, 751251.	1.8	11
79	Polygenic risk score and risk of monoclonal B-cell lymphocytosis in caucasians and risk of chronic lymphocytic leukemia (CLL) in African Americans. Leukemia, 2022, 36, 119-125.	3.3	10
80	A pilot study of high-intensity interval training in older adults with treatment naïve chronic lymphocytic leukemia. Scientific Reports, 2021, 11, 23137.	1.6	9
81	A Single Tube, Four-Color Flow Cytometry Assay for Evaluation of ZAP-70 and CD38 Expression in Chronic Lymphocytic Leukemia. American Journal of Clinical Pathology, 2010, 133, 708-717.	0.4	8
82	Chemotactic peptide receptor-cytoskeletal interactions and functional correlations in differentiated HL-60 cells and human polymorphonuclear leukocytes. Journal of Cellular Physiology, 1989, 141, 119-125.	2.0	7
83	Physiological Fitness and the Pathophysiology of Chronic Lymphocytic Leukemia (CLL). Cells, 2021, 10, 1165.	1.8	7
84	Endothelial glycocalyx degradation and disease severity in Plasmodium vivax and Plasmodium knowlesi malaria. Scientific Reports, 2021, 11, 9741.	1.6	6
85	Clinical outcomes in chronic lymphocytic leukaemia associated with expression of CD5, a negative regulator of B cell receptor signalling. British Journal of Haematology, 2018, 183, 747-754.	1.2	5
86	Degradation of endothelial glycocalyx in Tanzanian children with falciparum malaria. FASEB Journal, 2021, 35, e21805.	0.2	5
87	Neopterin production by HIV-1 infected mononuclear phagocytes. Journal of Leukocyte Biology, 1994, 56, 650-653.	1.5	4
88	Oligoclonal <i>TRBV</i> gene usage among CD8 ⁺ T cells in monoclonal B lymphocytosis and CLL. British Journal of Haematology, 2009, 145, 535-537.	1.2	4
89	Decreased Microvascular Function in Tanzanian Children With Severe and Uncomplicated Falciparum Malaria. Open Forum Infectious Diseases, 2017, 4, ofx079.	0.4	4
90	Expression and prognostic relevance of calcium calmodulin-dependent protein kinase kinase 2 (CaMKK2) in chronic lymphocytic leukemia (CLL).. Journal of Clinical Oncology, 2019, 37, e19002-e19002.	0.8	3

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91	Sperm-Macrophage Interaction in the Mouse: A Quantitative Assay in Vitro using ¹¹¹ Indium Oxine-Labeled Sperm. <i>Biology of Reproduction</i> , 1987, 37, 1170-1178.	1.2	2
92	Family-Associated Monoclonal B Lymphocytosis Is Commonly Oligoclonal and Expresses Markers Associated with Adverse Risk in CLL. <i>Blood</i> , 2008, 112, 3144-3144.	0.6	2
93	Optimization of Meniscus Cell Transduction Using Lentivirus and Adeno-Associated Virus for Gene Editing and Tissue Engineering Applications. <i>Cartilage</i> , 2021, 13, 1602S-1607S.	1.4	1
94	Fingolimod Is Cytotoxic in Acute Myeloid Leukemia Independent of Additional Chemotherapeutic Agents. <i>Blood</i> , 2016, 128, 5126-5126.	0.6	1
95	Molecular and Clinical Associations Between Vitamin D and Chronic Lymphocytic Leukemia. <i>Blood</i> , 2013, 122, 5282-5282.	0.6	1
96	Exercise and Chronic Lymphocytic Leukemia (CLL) - Relationships Among Physical Activity, Fitness, & Inflammation, and Their Impacts on CLL Patients. <i>Blood</i> , 2018, 132, 5540-5540.	0.6	1
97	Novel Prognostic Markers in Previously Treated Chronic Lymphocytic Leukemia. <i>Blood</i> , 2021, 138, 4688-4688.	0.6	1
98	Post-translational regulation could be determine functional differences between SET alpha and beta isoform " Response to Crist3bal <i>et al</i> . <i>British Journal of Haematology</i> , 2019, 186, 637-637.	1.2	0
99	Autoimmune disorders in patients with B-cell chronic lymphocytic leukemia.. <i>Journal of Clinical Oncology</i> , 2013, 31, 7103-7103.	0.8	0
100	Laboratory Correlates and a Phase I Clinical Trial Of Lenalidomide In Combination With Plerixafor In Patients With Previously Treated Chronic Lymphocytic Leukemia. <i>Blood</i> , 2013, 122, 5301-5301.	0.6	0
101	Acute and Chronic Lymphocytic Leukemia Induces Exhaustion and Suppresses Metabolic Reprogramming in T Cell Activation. <i>Blood</i> , 2014, 124, 4121-4121.	0.6	0
102	Polygenic Risk Score and Risk of Chronic Lymphocytic Leukemia, Monoclonal B-Cell Lymphocytosis (MBL), and MBL Subtypes. <i>Blood</i> , 2020, 136, 35-36.	0.6	0