

# Donald B Bloch

## List of Publications by Year in descending order

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106  
papers

8,954  
citations

57758

44  
h-index

42399

92  
g-index

109  
all docs

109  
docs citations

109  
times ranked

10548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Veno-venous extracorporeal blood phototherapy increases the rate of carbon monoxide (CO) elimination in CO-poisoned pigs. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 256-267.	2.1	8
2	Hyperbaric phototherapy augments blood carbon monoxide removal. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 426-432.	2.1	4
3	Matrix Gla Protein Levels Are Associated With Arterial Stiffness and Incident Heart Failure With Preserved Ejection Fraction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, ATVBHA121316664.	2.4	10
4	High-Throughput Assay to Screen Small Molecules for Their Ability to Prevent Sickling of Red Blood Cells. <i>ACS Omega</i> , 2022, 7, 14009-14016.	3.5	3
5	Antimicrobial effects of nitric oxide in murine models of <i>Klebsiella pneumoniae</i> . <i>Redox Biology</i> , 2021, 39, 101826.	9.0	32
6	Hypoxia ameliorates brain hyperoxia and NAD <sup>+</sup> deficiency in a murine model of Leigh syndrome. <i>Molecular Genetics and Metabolism</i> , 2021, 133, 83-93.	1.1	16
7	Sulfide catabolism ameliorates hypoxic brain injury. <i>Nature Communications</i> , 2021, 12, 3108.	12.8	71
8	Inhaled high dose nitric oxide is a safe and effective respiratory treatment in spontaneous breathing hospitalized patients with COVID-19 pneumonia. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 116, 7-13.	2.7	40
9	Establishment of international autoantibody reference standards for the detection of autoantibodies directed against PML bodies, GW bodies, and NuMA protein. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 197-207.	2.3	4
10	Case 37-2021: A 60-Year-Old Man with Fevers, Fatigue, Arthralgias, a Mouth Ulcer, and a Rash. <i>New England Journal of Medicine</i> , 2021, 385, 2282-2293.	27.0	1
11	The Role of Bone Morphogenetic Protein Signaling in Non-Alcoholic Fatty Liver Disease. <i>Scientific Reports</i> , 2020, 10, 9831.	3.3	10
12	Inhibition of bone morphogenetic protein 6 receptors ameliorates Sjögren's syndrome in mice. <i>Scientific Reports</i> , 2020, 10, 2967.	3.3	17
13	Intratracheal injection of nitric oxide, generated from air by pulsed electrical discharge, for the treatment of pulmonary hypertension in awake ambulatory lambs. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 97, 11-15.	2.7	2
14	The role of hepcidin and iron homeostasis in atherosclerosis. <i>Pharmacological Research</i> , 2020, 153, 104664.	7.1	64
15	Hepatic Veno-occlusive Disease with Immunodeficiency (VODI). , 2020, , 337-341.		0
16	Phototherapy and extracorporeal membrane oxygenation facilitate removal of carbon monoxide in rats. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	12
17	HDAC9 is implicated in atherosclerotic aortic calcification and affects vascular smooth muscle cell phenotype. <i>Nature Genetics</i> , 2019, 51, 1580-1587.	21.4	92
18	Hepcidin Deficiency Protects Against Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 178-187.	2.4	43

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19	Cross-linked hemoglobin bis-tetramers from bioorthogonal coupling do not induce vasoconstriction in the circulation. <i>Transfusion</i> , 2019, 59, 359-370.	1.6	3
20	Inhaled nitric oxide. <i>British Journal of Pharmacology</i> , 2019, 176, 246-255.	5.4	70
21	Hepatic Venous-occlusive Disease with Immunodeficiency (VODI). , 2019, , 1-4.		0
22	A Triazole Disulfide Compound Increases the Affinity of Hemoglobin for Oxygen and Reduces the Sickling of Human Sickle Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 1954-1963.	4.6	18
23	Development of a portable mini-generator to safely produce nitric oxide for the treatment of infants with pulmonary hypertension. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 75, 70-76.	2.7	12
24	ALK3 undergoes ligand-independent homodimerization and BMP-induced heterodimerization with ALK2. <i>Free Radical Biology and Medicine</i> , 2018, 129, 127-137.	2.9	17
25	MicroRNA-425 and microRNA-155 cooperatively regulate atrial natriuretic peptide expression and cGMP production. <i>PLoS ONE</i> , 2018, 13, e0196697.	2.5	14
26	Pharmacological preconditioning with inhaled nitric oxide (NO): Organ-specific differences in the lifetime of blood and tissue NO metabolites. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 80, 52-60.	2.7	21
27	Vitamin K <sup>δ</sup> -Dependent Carboxylation of Matrix Gla Protein Influences the Risk of Calciphylaxis. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1717-1722.	6.1	122
28	Iron Loading Exaggerates the Inflammatory Response to the Toll-like Receptor 4 Ligand Lipopolysaccharide by Altering Mitochondrial Homeostasis. <i>Anesthesiology</i> , 2017, 127, 121-135.	2.5	26
29	Pulmonary Phototherapy to Treat Carbon Monoxide Poisoning in Rats. <i>Shock</i> , 2017, 47, 735-742.	2.1	8
30	Endothelial dysfunction inhibits the ability of haptoglobin to prevent hemoglobin-induced hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1120-H1127.	3.2	27
31	Detection of Sp110 by Flow Cytometry and Application to Screening Patients for Venous-occlusive Disease with Immunodeficiency. <i>Journal of Clinical Immunology</i> , 2017, 37, 707-714.	3.8	11
32	Increased Bone Morphogenetic Protein Signaling in the Cutaneous Vasculature of Patients with Calciphylaxis. <i>American Journal of Nephrology</i> , 2017, 46, 429-438.	3.1	20
33	Decreased Soluble Guanylate Cyclase Contributes to Cardiac Dysfunction Induced by Chronic Doxorubicin Treatment in Mice. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 153-164.	5.4	17
34	Pulmonary and Systemic Vascular Resistances After Cardiopulmonary Bypass: Role of Hemolysis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 505-515.	1.3	25
35	The Ability of Nitric Oxide to Lower Intraocular Pressure Is Dependent on Guanylyl Cyclase. , 2017, 58, 4826.		26
36	Exposure of Stored Packed Erythrocytes to Nitric Oxide Prevents Transfusion-associated Pulmonary Hypertension. <i>Anesthesiology</i> , 2016, 125, 952-963.	2.5	15

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37	Soluble epoxide hydrolase deficiency or inhibition enhances murine hypoxic pulmonary vasoconstriction after lipopolysaccharide challenge. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L1213-L1221.	2.9	15
38	Detection and removal of impurities in nitric oxide generated from air by pulsed electrical discharge. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 60, 16-23.	2.7	13
39	Haptoglobin or Hemopexin Therapy Prevents Acute Adverse Effects of Resuscitation After Prolonged Storage of Red Cells. <i>Circulation</i> , 2016, 134, 945-960.	1.6	61
40	Electric Plasma-generated Nitric Oxide: Hemodynamic Effects in Patients with Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1168-1170.	5.6	16
41	Androgen-sensitive hypertension associated with soluble guanylate cyclase-1 deficiency is mediated by 20-HETE. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1790-H1800.	3.2	27
42	Transcriptomic Characterization of SF3B1 Mutation Reveals Its Pleiotropic Effects in Chronic Lymphocytic Leukemia. <i>Cancer Cell</i> , 2016, 30, 750-763.	16.8	173
43	Calcification of Vascular Smooth Muscle Cells and Imaging of Aortic Calcification and Inflammation. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	19
44	Novel MicroRNA Regulators of Atrial Natriuretic Peptide Production. <i>Molecular and Cellular Biology</i> , 2016, 36, 1977-1987.	2.3	20
45	Acute Metabolic Influences on the Natriuretic Peptide System in Humans. <i>Journal of the American College of Cardiology</i> , 2016, 67, 804-812.	2.8	34
46	Targeting BMP signalling in cardiovascular disease and anaemia. <i>Nature Reviews Cardiology</i> , 2016, 13, 106-120.	13.7	193
47	Development of a Triazolyldisulfide Compound That Increases the Affinity of Hemoglobin for Oxygen and Reduces Hypoxic Sickling of Sickle Cells. <i>Blood</i> , 2016, 128, 3642-3642.	1.4	1
48	Oral administration of a bone morphogenetic protein type I receptor inhibitor prevents the development of anemia of inflammation. <i>Haematologica</i> , 2015, 100, e68-e71.	3.5	35
49	Progesterone receptor membrane component-1 regulates hepcidin biosynthesis. <i>Journal of Clinical Investigation</i> , 2015, 126, 389-401.	8.2	75
50	Producing nitric oxide by pulsed electrical discharge in air for portable inhalation therapy. <i>Science Translational Medicine</i> , 2015, 7, 294ra107.	12.4	49
51	Anti-Clk1 and anti-Hxk1: novel autoantibodies in primary biliary cirrhosis. <i>Liver International</i> , 2015, 35, 642-651.	3.9	66
52	Pulmonary Phototherapy for Treating Carbon Monoxide Poisoning. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1191-1199.	5.6	19
53	S-Nitrosylation of Calcium-Handling Proteins in Cardiac Adrenergic Signaling and Hypertrophy. <i>Circulation Research</i> , 2015, 117, 793-803.	4.5	60
54	Inhibition of Bone Morphogenetic Protein Signal Transduction Prevents the Medial Vascular Calcification Associated with Matrix Gla Protein Deficiency. <i>PLoS ONE</i> , 2015, 10, e0117098.	2.5	58

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55	LMKB/MARF1 Localizes to mRNA Processing Bodies, Interacts with Ge-1, and Regulates IFI44L Gene Expression. <i>PLoS ONE</i> , 2014, 9, e94784.	2.5	16
56	DAZL Limits Pluripotency, Differentiation, and Apoptosis in Developing Primordial Germ Cells. <i>Stem Cell Reports</i> , 2014, 3, 892-904.	4.8	83
57	Brief Report: Spuriously Low Serum IgG4 Concentrations Caused by the Prozone Phenomenon in Patients With IgG4-Related Disease. <i>Arthritis and Rheumatology</i> , 2014, 66, 213-217.	5.6	103
58	Reply. <i>Arthritis and Rheumatology</i> , 2014, 66, 3247-3248.	5.6	0
59	International recommendations for the assessment of autoantibodies to cellular antigens referred to as anti-nuclear antibodies. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 17-23.	0.9	471
60	The type I BMP receptor Alk3 is required for the induction of hepatic hepcidin gene expression by interleukin-6. <i>Blood</i> , 2014, 123, 2261-2268.	1.4	56
61	GW/P-Bodies and Autoimmune Disease. <i>Advances in Experimental Medicine and Biology</i> , 2013, 768, 61-70.	1.6	13
62	Transplantation of autologously derived mitochondria protects the heart from ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H966-H982.	3.2	267
63	Deletion of the Sequence Encoding the Tail Domain of the Bone Morphogenetic Protein type 2 Receptor Reveals a Bone Morphogenetic Protein 7-Specific Gain of Function. <i>PLoS ONE</i> , 2013, 8, e76947.	2.5	10
64	Transplantation of Autologously Derived Mitochondria Protects the Heart from Ischemia-Reperfusion Injury. <i>FASEB Journal</i> , 2013, 27, 1209.7.	0.5	1
65	Atrial natriuretic peptide is negatively regulated by microRNA-425. <i>Journal of Clinical Investigation</i> , 2013, 123, 3378-3382.	8.2	109
66	Rituximab for the Treatment of IgG4-Related Disease. <i>Medicine (United States)</i> , 2012, 91, 57-66.	1.0	435
67	IgG4-Related Disease Is Not Associated with Antibody to the Phospholipase A2 Receptor. <i>International Journal of Rheumatology</i> , 2012, 2012, 1-6.	1.6	39
68	Recommendations for the nomenclature of IgG4-related disease and its individual organ system manifestations. <i>Arthritis and Rheumatism</i> , 2012, 64, 3061-3067.	6.7	630
69	Decreased IL-10 production by EBV-transformed B cells from patients with VODI: Implications for the pathogenesis of Crohn disease. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1678-1680.	2.9	11
70	Clinical, molecular, and cellular immunologic findings in patients with SP110-associated veno-occlusive disease with immunodeficiency syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 735-742.e6.	2.9	49
71	Consensus statement on the pathology of IgG4-related disease. <i>Modern Pathology</i> , 2012, 25, 1181-1192.	5.5	2,171
72	Identification and characterization of protein interactions in the mammalian mRNA processing body using a novel two-hybrid assay. <i>Experimental Cell Research</i> , 2011, 317, 2183-2199.	2.6	9

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73	Hypoxia Potentiates MicroRNA-Mediated Gene Silencing through Posttranslational Modification of Argonaute2. <i>Molecular and Cellular Biology</i> , 2011, 31, 4760-4774.	2.3	124
74	Perturbation of hepcidin expression by BMP type I receptor deletion induces iron overload in mice. <i>Blood</i> , 2011, 118, 4224-4230.	1.4	161
75	Alk3, a BMP Type I Receptor Is Required for the Induction of Hepatic Hepcidin Gene Expression by Interleukin-6. <i>Blood</i> , 2011, 118, 686-686.	1.4	18
76	Rituximab therapy leads to rapid decline of serum IgG4 levels and prompt clinical improvement in IgG4-related systemic disease. <i>Arthritis and Rheumatism</i> , 2010, 62, 1755-1762.	6.7	465
77	Functionally defective germline variants of sialic acid acetyltransferase in autoimmunity. <i>Nature</i> , 2010, 466, 243-247.	27.8	150
78	p58TFL Does Not Localize to Messenger RNA Processing Bodies - Letter. <i>Molecular Cancer Research</i> , 2010, 8, 131-132.	3.4	3
79	PML Nuclear Body Component Sp140 Is a Novel Autoantigen in Primary Biliary Cirrhosis. <i>American Journal of Gastroenterology</i> , 2010, 105, 125-131.	0.4	69
80	Case 5-2009. <i>New England Journal of Medicine</i> , 2009, 360, 711-720.	27.0	32
81	Separate cis-trans Pathways Post-transcriptionally Regulate Murine CD154 (CD40 Ligand) Expression. <i>Journal of Biological Chemistry</i> , 2008, 283, 25606-25616.	3.4	22
82	Novel antibody markers of unstable atherosclerotic lesions. <i>Journal of Clinical Investigation</i> , 2008, 118, 2675-7.	8.2	2
83	Probing the mRNA processing body using protein macroarrays and "autoantigenomics". <i>Rna</i> , 2007, 13, 704-712.	3.5	78
84	Clinical and serological features of patients with autoantibodies to GW/P bodies. <i>Clinical Immunology</i> , 2007, 125, 247-256.	3.2	95
85	Mutations in the gene encoding the PML nuclear body protein Sp110 are associated with immunodeficiency and hepatic veno-occlusive disease. <i>Nature Genetics</i> , 2006, 38, 620-622.	21.4	96
86	RNA-associated protein 55 (RAP55) localizes to mRNA processing bodies and stress granules. <i>Rna</i> , 2006, 12, 547-554.	3.5	138
87	Processing body autoantibodies reconsidered. <i>Rna</i> , 2006, 12, 707-709.	3.5	22
88	Mediation of Epstein-Barr virus EBNA-LP transcriptional coactivation by Sp100. <i>EMBO Journal</i> , 2005, 24, 3565-3575.	7.8	84
89	Ge-1 is a central component of the mammalian cytoplasmic mRNA processing body. <i>Rna</i> , 2005, 11, 1795-1802.	3.5	161
90	Structure/Function Analysis of Tristetraprolin (TTP): p38 Stress-Activated Protein Kinase and Lipopolysaccharide Stimulation Do Not Alter TTP Function. <i>Journal of Immunology</i> , 2005, 174, 7883-7893.	0.8	54

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91	The cytoplasmic dot staining pattern is detected in a subgroup of patients with primary biliary cirrhosis. <i>Journal of Rheumatology</i> , 2005, 32, 477-83.	2.0	15
92	Epstein-Barr Virus (EBV) SM Protein Induces and Recruits Cellular Sp110b To Stabilize mRNAs and Enhance EBV Lytic Gene Expression. <i>Journal of Virology</i> , 2004, 78, 9412-9422.	3.4	60
93	Restoration of Promyelocytic Leukemia Protein-Nuclear Bodies in Neuroblastoma Cells Enhances Retinoic Acid Responsiveness. <i>Cancer Research</i> , 2004, 64, 928-933.	0.9	10
94	Do antinuclear antibodies in primary biliary cirrhosis patients identify increased risk for liver failure?. <i>Clinical Gastroenterology and Hepatology</i> , 2004, 2, 1116-1122.	4.4	74
95	Physical and Functional Interactions between PML and MDM2. <i>Journal of Biological Chemistry</i> , 2003, 278, 29288-29297.	3.4	64
96	Implication of the Lymphocyte-Specific Nuclear Body Protein Sp140 in an Innate Response to Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2002, 76, 11133-11138.	3.4	59
97	Cytokines decrease sGC in pulmonary artery smooth muscle cells via NO-dependent and NO-independent mechanisms. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 280, L272-L278.	2.9	52
98	Anti-Heat Shock Protein 70 Antibodies in Meniere's Disease. <i>Laryngoscope</i> , 2000, 110, 1516-1521.	2.0	31
99	Sp110 Localizes to the PML-Sp100 Nuclear Body and May Function as a Nuclear Hormone Receptor Transcriptional Coactivator. <i>Molecular and Cellular Biology</i> , 2000, 20, 6138-6146.	2.3	137
100	Recognition of a Dominant Epitope in Bovine Heat Shock Protein 70 in Inner Ear Disease. <i>Laryngoscope</i> , 1999, 109, 621-625.	2.0	31
101	Structural and Functional Heterogeneity of Nuclear Bodies. <i>Molecular and Cellular Biology</i> , 1999, 19, 4423-4430.	2.3	62
102	Adenovirus-mediated Gene Transfer of cGMP-dependent Protein Kinase Increases the Sensitivity of Cultured Vascular Smooth Muscle Cells to the Antiproliferative and Pro-apoptotic Effects of Nitric Oxide/cGMP. <i>Journal of Biological Chemistry</i> , 1998, 273, 34263-34271.	3.4	148
103	Identification and Characterization of a Leukocyte-specific Component of the Nuclear Body. <i>Journal of Biological Chemistry</i> , 1996, 271, 29198-29204.	3.4	91
104	Three Members of the Nitric Oxide Synthase II Gene Family (NOS2A, NOS2B, and NOS2C) Colocalize to Human Chromosome 17. <i>Genomics</i> , 1995, 27, 526-530.	2.9	36
105	The Immunoreactive Region in a Novel Autoantigen Contains a Nuclear Localization Sequence. <i>Clinical Immunology and Immunopathology</i> , 1994, 72, 380-389.	2.0	15
106	Cells on microspheres: A new technique for flow cytometric analysis of adherent cells. <i>Cytometry</i> , 1983, 3, 449-452.	1.8	7