

# Donald B Bloch

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Consensus statement on the pathology of IgG4-related disease. <i>Modern Pathology</i> , 2012, 25, 1181-1192.  | 5.5  | 2,171     |
| 2  | 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       |
| 3  | 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       |
| 4  | 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       |
| 5  | Rituximab for the Treatment of IgG4-Related Disease. <i>Medicine (United States)</i> , 2012, 91, 57-66.   | 1.0  | 435       |
| 6  | 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       |
| 7  | Targeting BMP signalling in cardiovascular disease and anaemia. <i>Nature Reviews Cardiology</i> , 2016, 13, 106-120.   | 13.7 | 193       |
| 8  | Transcriptomic Characterization of SF3B1 Mutation Reveals Its Pleiotropic Effects in Chronic Lymphocytic Leukemia. <i>Cancer Cell</i> , 2016, 30, 750-763.  | 16.8 | 173       |
| 9  | Ge-1 is a central component of the mammalian cytoplasmic mRNA processing body. <i>Rna</i> , 2005, 11, 1795-1802.  | 3.5  | 161       |
| 10 | 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       |
| 11 | Functionally defective germline variants of sialic acid acetyltransferase in autoimmunity. <i>Nature</i> , 2010, 466, 243-247.  | 27.8 | 150       |
| 12 | 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       |
| 13 | RNA-associated protein 55 (RAP55) localizes to mRNA processing bodies and stress granules. <i>Rna</i> , 2006, 12, 547-554.  | 3.5  | 138       |
| 14 | 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       |
| 15 | Hypoxia Potentiates MicroRNA-Mediated Gene Silencing through Posttranslational Modification of Argonaute2. <i>Molecular and Cellular Biology</i> , 2011, 31, 4760-4774.   | 2.3  | 124       |
| 16 | Vitamin K-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       |
| 17 | Atrial natriuretic peptide is negatively regulated by microRNA-425. <i>Journal of Clinical Investigation</i> , 2013, 123, 3378-3382.  | 8.2  | 109       |
| 18 | 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       |

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|----|--|------|-----------|
| 19 | 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        |
| 20 | Clinical and serological features of patients with autoantibodies to GW/P bodies. <i>Clinical Immunology</i> , 2007, 125, 247-256.   | 3.2  | 95        |
| 21 | 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        |
| 22 | 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        |
| 23 | Mediation of Epstein-Barr virus EBNA-LP transcriptional coactivation by Sp100. <i>EMBO Journal</i> , 2005, 24, 3565-3575.  | 7.8  | 84        |
| 24 | DAZL Limits Pluripotency, Differentiation, and Apoptosis in Developing Primordial Germ Cells. <i>Stem Cell Reports</i> , 2014, 3, 892-904.   | 4.8  | 83        |
| 25 | Probing the mRNA processing body using protein macroarrays and "autoantigenomics". <i>Rna</i> , 2007, 13, 704-712.   | 3.5  | 78        |
| 26 | Progesterone receptor membrane component-1 regulates hepcidin biosynthesis. <i>Journal of Clinical Investigation</i> , 2015, 126, 389-401.   | 8.2  | 75        |
| 27 | 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        |
| 28 | Sulfide catabolism ameliorates hypoxic brain injury. <i>Nature Communications</i> , 2021, 12, 3108.  | 12.8 | 71        |
| 29 | Inhaled nitric oxide. <i>British Journal of Pharmacology</i> , 2019, 176, 246-255.   | 5.4  | 70        |
| 30 | 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        |
| 31 | Anti- $\alpha$ -kelch-like 12 and anti- $\alpha$ -hexokinase 1: novel autoantibodies in primary biliary cirrhosis. <i>Liver International</i> , 2015, 35, 642-651.                     | 3.9  | 66        |
| 32 | Physical and Functional Interactions between PML and MDM2. <i>Journal of Biological Chemistry</i> , 2003, 278, 29288-29297.  | 3.4  | 64        |
| 33 | The role of hepcidin and iron homeostasis in atherosclerosis. <i>Pharmacological Research</i> , 2020, 153, 104664.   | 7.1  | 64        |
| 34 | Structural and Functional Heterogeneity of Nuclear Bodies. <i>Molecular and Cellular Biology</i> , 1999, 19, 4423-4430.  | 2.3  | 62        |
| 35 | 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        |
| 36 | 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        |

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|----|--|------|-----------|
| 37 | S-Nitrosylation of Calcium-Handling Proteins in Cardiac Adrenergic Signaling and Hypertrophy. <i>Circulation Research</i> , 2015, 117, 793-803.  | 4.5  | 60        |
| 38 | 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        |
| 39 | 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        |
| 40 | 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        |
| 41 | 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        |
| 42 | 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        |
| 43 | 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        |
| 44 | Producing nitric oxide by pulsed electrical discharge in air for portable inhalation therapy. <i>Science Translational Medicine</i> , 2015, 7, 294ra107.   | 12.4 | 49        |
| 45 | Hepcidin Deficiency Protects Against Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 178-187.   | 2.4  | 43        |
| 46 | 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        |
| 47 | 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        |
| 48 | 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        |
| 49 | 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        |
| 50 | 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        |
| 51 | Case 5-2009. <i>New England Journal of Medicine</i> , 2009, 360, 711-720.  | 27.0 | 32        |
| 52 | Antimicrobial effects of nitric oxide in murine models of <i>Klebsiella pneumoniae</i> . <i>Redox Biology</i> , 2021, 39, 101826.  | 9.0  | 32        |
| 53 | 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        |
| 54 | Anti-Heat Shock Protein 70 Antibodies in Meniere's Disease. <i>Laryngoscope</i> , 2000, 110, 1516-1521.  | 2.0  | 31        |

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|----|---|-----|-----------|
| 55 | 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        |
| 56 | 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        |
| 57 | 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        |
| 58 | The Ability of Nitric Oxide to Lower Intraocular Pressure Is Dependent on Guanylyl Cyclase. , 2017, 58, 4826.   |     | 26        |
| 59 | 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        |
| 60 | Processing body autoantibodies reconsidered. <i>Rna</i> , 2006, 12, 707-709.  | 3.5 | 22        |
| 61 | 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        |
| 62 | 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        |
| 63 | Novel MicroRNA Regulators of Atrial Natriuretic Peptide Production. <i>Molecular and Cellular Biology</i> , 2016, 36, 1977-1987.  | 2.3 | 20        |
| 64 | 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        |
| 65 | Pulmonary Phototherapy for Treating Carbon Monoxide Poisoning. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1191-1199.  | 5.6 | 19        |
| 66 | Calcification of Vascular Smooth Muscle Cells and Imaging of Aortic Calcification and Inflammation. <i>Journal of Visualized Experiments</i> , 2016, , .  | 0.3 | 19        |
| 67 | 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        |
| 68 | Alk3, a BMP Type I Receptor Is Required for the Induction of Hepatic Hecpudin Gene Expression by Interleukin-6. <i>Blood</i> , 2011, 118, 686-686.  | 1.4 | 18        |
| 69 | 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        |
| 70 | 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        |
| 71 | Inhibition of bone morphogenetic protein 6 receptors ameliorates Sjögren's syndrome in mice. <i>Scientific Reports</i> , 2020, 10, 2967.  | 3.3 | 17        |
| 72 | 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        |

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|----|--|------|-----------|
| 73 | 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        |
| 74 | 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        |
| 75 | 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        |
| 76 | Exposure of Stored Packed Erythrocytes to Nitric Oxide Prevents Transfusion-associated Pulmonary Hypertension. <i>Anesthesiology</i> , 2016, 125, 952-963.   | 2.5  | 15        |
| 77 | 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        |
| 78 | 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        |
| 79 | MicroRNA-425 and microRNA-155 cooperatively regulate atrial natriuretic peptide expression and cGMP production. <i>PLoS ONE</i> , 2018, 13, e0196697.  | 2.5  | 14        |
| 80 | GW/P-Bodies and Autoimmune Disease. <i>Advances in Experimental Medicine and Biology</i> , 2013, 768, 61-70.   | 1.6  | 13        |
| 81 | 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        |
| 82 | 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        |
| 83 | Phototherapy and extracorporeal membrane oxygenation facilitate removal of carbon monoxide in rats. <i>Science Translational Medicine</i> , 2019, 11, .  | 12.4 | 12        |
| 84 | 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        |
| 85 | 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        |
| 86 | 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        |
| 87 | 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        |
| 88 | The Role of Bone Morphogenetic Protein Signaling in Non-Alcoholic Fatty Liver Disease. <i>Scientific Reports</i> , 2020, 10, 9831.   | 3.3  | 10        |
| 89 | 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        |
| 90 | 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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|-----|--|------|-----------|
| 91  | Pulmonary Phototherapy to Treat Carbon Monoxide Poisoning in Rats. <i>Shock</i> , 2017, 47, 735-742.   | 2.1  | 8         |
| 92  | 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         |
| 93  | Cells on microspheres: A new technique for flow cytometric analysis of adherent cells. <i>Cytometry</i> , 1983, 3, 449-452.  | 1.8  | 7         |
| 94  | Hyperbaric phototherapy augments blood carbon monoxide removal. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 426-432.   | 2.1  | 4         |
| 95  | 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         |
| 96  | p58TFL Does Not Localize to Messenger RNA Processing Bodies - Letter. <i>Molecular Cancer Research</i> , 2010, 8, 131-132.   | 3.4  | 3         |
| 97  | 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         |
| 98  | 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         |
| 99  | 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         |
| 100 | Novel antibody markers of unstable atherosclerotic lesions. <i>Journal of Clinical Investigation</i> , 2008, 118, 2675-7.  | 8.2  | 2         |
| 101 | Transplantation of Autologously-Derived Mitochondria Protects the Heart from Ischemia-Reperfusion Injury. <i>FASEB Journal</i> , 2013, 27, 1209.7.   | 0.5  | 1         |
| 102 | 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         |
| 103 | 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         |
| 104 | Reply. <i>Arthritis and Rheumatology</i> , 2014, 66, 3247-3248.  | 5.6  | 0         |
| 105 | Hepatic Veno-occlusive Disease with Immunodeficiency (VODI). , 2019, , 1-4.  |      | 0         |
| 106 | Hepatic Veno-occlusive Disease with Immunodeficiency (VODI). , 2020, , 337-341.  |      | 0         |