

Daniel Bernstein

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

7,100
citations

87843

38
h-index

62565

80
g-index

127
all docs

127
docs citations

127
times ranked

11342
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Drug Transporter Genomic Variants and Inhibitors That Protect Against Doxorubicin-Induced Cardiotoxicity. <i>Circulation</i> , 2022, 145, 279-294.	1.6	46
2	Genome-Wide De Novo Variants in Congenital Heart Disease Are Not Associated With Maternal Diabetes or Obesity. <i>Circulation Genomic and Precision Medicine</i> , 2022, 15, CIRCGEN121003500.	1.6	8
3	Neither cardiac mitochondrial DNA variation nor copy number contribute to congenital heart disease risk. <i>American Journal of Human Genetics</i> , 2022, 109, 961-966.	2.6	5
4	Hybrid management of dysphagia lusoria in a boy with Duchenne's muscular dystrophy. <i>Cardiology in the Young</i> , 2022, , 1-3.	0.4	0
5	Mitochondrial Quality Control in the Heart: The Balance between Physiological and Pathological Stress. <i>Biomedicines</i> , 2022, 10, 1375.	1.4	4
6	Association of Damaging Variants in Genes With Increased Cancer Risk Among Patients With Congenital Heart Disease. <i>JAMA Cardiology</i> , 2021, 6, 457.	3.0	34
7	β 2-Adrenergic Signaling Modulates Mitochondrial Function and Morphology in Skeletal Muscle in Response to Aerobic Exercise. <i>Cells</i> , 2021, 10, 146.	1.8	15
8	Transcriptomic and Functional Analyses of Mitochondrial Dysfunction in Pressure Overload-Induced Right Ventricular Failure. <i>Journal of the American Heart Association</i> , 2021, 10, e017835.	1.6	12
9	Comparison of combined heart-liver vs heart-only transplantation in pediatric and young adult Fontan recipients. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 298-306.	0.3	22
10	Impact of institutional routine surveillance endomyocardial biopsy frequency in the first year on rejection and graft survival in pediatric heart transplantation. <i>Pediatric Transplantation</i> , 2021, 25, e14035.	0.5	4
11	Hypertrophic cardiomyopathy β -cardiac myosin mutation (P710R) leads to hypercontractility by disrupting super relaxed state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	43
12	Clinical and hemodynamic characteristics of the pediatric failing Fontan. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 1529-1539.	0.3	10
13	Improving Right Ventricular Function by Increasing BMP Signaling with FK506. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 272-287.	1.4	16
14	Dach1 Extends Artery Networks and Protects Against Cardiac Injury. <i>Circulation Research</i> , 2021, 129, 702-716.	2.0	28
15	RARG variant predictive of doxorubicin-induced cardiotoxicity identifies a cardioprotective therapy. <i>Cell Stem Cell</i> , 2021, 28, 2076-2089.e7.	5.2	36
16	Altered Cardiac Energetics and Mitochondrial Dysfunction in Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2021, 144, 1714-1731.	1.6	90
17	Coronary blood vessels from distinct origins converge to equivalent states during mouse and human development. <i>ELife</i> , 2021, 10, .	2.8	15
18	Editorial: Advances in Pediatric Cardiology 2020. <i>Current Opinion in Pediatrics</i> , 2020, 32, 625.	1.0	0

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19	Patient-Specific Induced Pluripotent Stem Cells Implicate Intrinsic Impaired Contractility in Hypoplastic Left Heart Syndrome. <i>Circulation</i> , 2020, 142, 1605-1608.	1.6	33
20	Diagnosis and treatment of right ventricular dysfunction in congenital heart disease. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 1625-1645.	0.7	11
21	Metabolic Maturation Media Improve Physiological Function of Human iPSC-Derived Cardiomyocytes. <i>Cell Reports</i> , 2020, 32, 107925.	2.9	198
22	4HNE Impairs Myocardial Bioenergetics in Congenital Heart Disease-Induced Right Ventricular Failure. <i>Circulation</i> , 2020, 142, 1667-1683.	1.6	14
23	Noncanonical WNT Activation in Human Right Ventricular Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 582407.	1.1	6
24	Systems Analysis Implicates WAVE2 Complex in the Pathogenesis of Developmental Left-Sided Obstructive Heart Defects. <i>JACC Basic To Translational Science</i> , 2020, 5, 376-386.	1.9	15
25	Genomic analyses implicate noncoding de novo variants in congenital heart disease. <i>Nature Genetics</i> , 2020, 52, 769-777.	9.4	97
26	De Novo Damaging Variants, Clinical Phenotypes, and Post-Operative Outcomes in Congenital Heart Disease. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002836.	1.6	30
27	Rare genetic variation at transcription factor binding sites modulates local DNA methylation profiles. <i>PLoS Genetics</i> , 2020, 16, e1009189.	1.5	27
28	GATA6 mutations in hiPSCs inform mechanisms for maldevelopment of the heart, pancreas, and diaphragm. <i>ELife</i> , 2020, 9, .	2.8	31
29	Stanford University School of Medicine. <i>Academic Medicine</i> , 2020, 95, S50-S53.	0.8	0
30	De novo and recessive forms of congenital heart disease have distinct genetic and phenotypic landscapes. <i>Nature Communications</i> , 2019, 10, 4722.	5.8	58
31	β^2 -Cardiac myosin hypertrophic cardiomyopathy mutations release sequestered heads and increase enzymatic activity. <i>Nature Communications</i> , 2019, 10, 2685.	5.8	54
32	Pathologic gene network rewiring implicates PPP1R3A as a central regulator in pressure overload heart failure. <i>Nature Communications</i> , 2019, 10, 2760.	5.8	22
33	Substantial Cardiovascular Morbidity in Adults With Lower-Complexity Congenital Heart Disease. <i>Circulation</i> , 2019, 139, 1889-1899.	1.6	81
34	On the Functional Assessment of Hypertrophic Cardiomyopathy-Causing Mutations in Human β^2 -Cardiac Myosin and the Role of Myosin Binding Protein-C. <i>Biophysical Journal</i> , 2019, 116, 466a-467a.	0.2	0
35	Drp1/Fis1 interaction mediates mitochondrial dysfunction in septic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 130, 160-169.	0.9	101
36	Compassionate deactivation of ventricular assist devices in children: A survey of pediatric ventricular assist device clinicians' perspectives and practices. <i>Pediatric Transplantation</i> , 2019, 23, e13359.	0.5	18

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37	Stem cells. <i>Current Opinion in Pediatrics</i> , 2019, 31, 617-622.	1.0	0
38	Macrophage de novo NAD ⁺ synthesis specifies immune function in aging and inflammation. <i>Nature Immunology</i> , 2019, 20, 50-63.	7.0	304
39	Functional Assays to Screen and Dissect Genomic Hits. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002178.	1.6	18
40	Anthracycline Cardiotoxicity. <i>Circulation Research</i> , 2018, 122, 188-190.	2.0	31
41	Response by Bernstein to Letter Regarding Article, "Anthracycline Cardiotoxicity: Worrisome Enough to Have You Quaking?" <i>Circulation Research</i> , 2018, 122, e64-e65.	2.0	3
42	Renin-Angiotensin-Aldosterone System Inhibitors for Right Ventricular Dysfunction in Tetralogy of Fallot. <i>Circulation</i> , 2018, 137, 1472-1474.	1.6	7
43	New insights into mitral valve dystrophy: a Filamin-A genotype "phenotype and outcome study. <i>European Heart Journal</i> , 2018, 39, 1269-1277.	1.0	44
44	Human Induced Pluripotent Stem Cell (hiPSC)-Derived Cells to Assess Drug Cardiotoxicity: Opportunities and Problems. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 83-103.	4.2	89
45	Physiological Mitochondrial Fragmentation Is a Normal Cardiac Adaptation to Increased Energy Demand. <i>Circulation Research</i> , 2018, 122, 282-295.	2.0	90
46	Advances in pediatric cardiology 2018. <i>Current Opinion in Pediatrics</i> , 2018, 30, 599-600.	1.0	0
47	Dynamics of Viral and Host Immune Cell MicroRNA Expression during Acute Infectious Mononucleosis. <i>Frontiers in Microbiology</i> , 2018, 8, 2666.	1.5	10
48	Impact of Heart Transplantation on the Functional Status of US Children With End-Stage Heart Failure. <i>Circulation</i> , 2017, 135, 939-950.	1.6	15
49	Rehospitalization after pediatric heart transplantation: Incidence, indications, and outcomes. <i>Pediatric Transplantation</i> , 2017, 21, e12857.	0.5	11
50	Angiotensin-Converting Enzyme Inhibition Early After Heart Transplantation. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2832-2841.	1.2	50
51	Pharmacogenomic screening for anthracycline-induced cardiotoxicity in childhood cancer. <i>British Journal of Clinical Pharmacology</i> , 2017, 83, 1143-1145.	1.1	13
52	Induced pluripotent stem cell-derived cardiomyocytes: A platform for testing for drug cardiotoxicity. <i>Progress in Pediatric Cardiology</i> , 2017, 46, 2-6.	0.2	2
53	Thalidomide treatment prevents chronic graft rejection after aortic transplantation in rats - an experimental study. <i>Transplant International</i> , 2017, 30, 1181-1189.	0.8	3
54	Impact of the 18th birthday on waitlist outcomes among young adults listed for heart transplant: A regression discontinuity analysis. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 1185-1191.	0.3	5

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55	Advances in paediatric cardiology 2017: the genetics of paediatric cardiovascular disease. <i>Current Opinion in Pediatrics</i> , 2017, 29, 511-512.	1.0	0
56	miR-21 is associated with fibrosis and right ventricular failure. <i>JCI Insight</i> , 2017, 2, .	2.3	31
57	Early-Onset Hypertrophic Cardiomyopathy Mutations Significantly Increase the Velocity, Force, and Actin-Activated ATPase Activity of Human β^2 -Cardiac Myosin. <i>Cell Reports</i> , 2016, 17, 2857-2864.	2.9	69
58	Human induced pluripotent stem cellâ€‘derived cardiomyocytes recapitulate the predilection of breast cancer patients to doxorubicin-induced cardiotoxicity. <i>Nature Medicine</i> , 2016, 22, 547-556.	15.2	573
59	Mitochondrial remodeling: Rearranging, recycling, and reprogramming. <i>Cell Calcium</i> , 2016, 60, 88-101.	1.1	71
60	Regenerative medicine - From stem cell biology to clinical trials for pediatric heart failure. <i>Progress in Pediatric Cardiology</i> , 2016, 43, 87-89.	0.2	0
61	Nat1 Deficiency Is Associated with Mitochondrial Dysfunction and Exercise Intolerance in Mice. <i>Cell Reports</i> , 2016, 17, 527-540.	2.9	35
62	Recommendations for genetic testing to reduce the incidence of anthracyclineâ€‘induced cardiotoxicity. <i>British Journal of Clinical Pharmacology</i> , 2016, 82, 683-695.	1.1	188
63	iPSC-derived cardiomyocytes reveal abnormal TGF- β^2 signalling in left ventricular non-compaction cardiomyopathy. <i>Nature Cell Biology</i> , 2016, 18, 1031-1042.	4.6	148
64	Advances in pediatric cardiology 2016. <i>Current Opinion in Pediatrics</i> , 2016, 28, 573-574.	1.0	1
65	Na ⁺ -sensitive elevation in blood pressure is ENaC independent in diet-induced obesity and insulin resistance. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F812-F820.	1.3	19
66	Epigenetic response to environmental stress: Assembly of BRG1â€‘G9a/GLPâ€‘DNMT3 repressive chromatin complex on Myh6 promoter in pathologically stressed hearts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1772-1781.	1.9	53
67	Timeâ€‘dependent evolution of functional <i>in vitro</i> remodeling signaling in induced pluripotent stem cellâ€‘derived cardiomyocytes and induced maturation with biomechanical stimulation. <i>FASEB Journal</i> , 2016, 30, 1464-1479.	0.2	58
68	De Novo and Rare Variants at Multiple Loci Support the Oligogenic Origins of Atrioventricular Septal Heart Defects. <i>PLoS Genetics</i> , 2016, 12, e1005963.	1.5	92
69	Infection-resistant MRI-visible scaffolds for tissue engineering applications. <i>BioImpacts</i> , 2016, 6, 111-115.	0.7	55
70	Protein Corona Influences Cellâ€‘Biomaterial Interactions in Nanostructured Tissue Engineering Scaffolds. <i>Advanced Functional Materials</i> , 2015, 25, 4379-4389.	7.8	57
71	Long-term challenges in congenital heart disease. <i>Current Opinion in Pediatrics</i> , 2015, 27, 545-547.	1.0	0
72	Mitochondria shape cardiac metabolism. <i>Science</i> , 2015, 350, 1162-1163.	6.0	28

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73	Task Force 8: Pediatric Cardiology Fellowship Training in Research and Scholarly Activity. <i>Circulation</i> , 2015, 132, e107-13.	1.6	6
74	Innovative tools in the individualized medical therapy for children with heart muscle disease. <i>Progress in Pediatric Cardiology</i> , 2015, 39, 37-41.	0.2	0
75	A coding variant in RARG confers susceptibility to anthracycline-induced cardiotoxicity in childhood cancer. <i>Nature Genetics</i> , 2015, 47, 1079-1084.	9.4	214
76	Molecular Mechanisms of Right Ventricular Failure. <i>Circulation</i> , 2015, 132, 1734-1742.	1.6	123
77	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. <i>Nature</i> , 2015, 525, 479-485.	13.7	402
78	Changes in Risk Profile Over Time in the Population of a Pediatric Heart Transplant Program. <i>Annals of Thoracic Surgery</i> , 2015, 100, 989-995.	0.7	8
79	[Pyr1]-Apelin-13 delivery via nano-liposomal encapsulation attenuates pressure overload-induced cardiac dysfunction. <i>Biomaterials</i> , 2015, 37, 289-298.	5.7	44
80	Abstract 248: Aberrant TGF β ² Signaling as an Etiology of Left Ventricular Non-compaction Cardiomyopathy. <i>Circulation Research</i> , 2015, 117, .	2.0	0
81	Use of bio-mimetic three-dimensional technology in therapeutics for heart disease. <i>Bioengineered</i> , 2014, 5, 193-197.	1.4	20
82	Circulating Cell-Free DNA Enables Noninvasive Diagnosis of Heart Transplant Rejection. <i>Science Translational Medicine</i> , 2014, 6, 241ra77.	5.8	388
83	Introduction to the Series. <i>Circulation</i> , 2014, 129, 112-114.	1.6	6
84	Patient-specific pluripotent stem cells in doxorubicin cardiotoxicity: A new window into personalized medicine. <i>Progress in Pediatric Cardiology</i> , 2014, 37, 23-27.	0.2	9
85	HLA desensitization with bortezomib in a highly sensitized pediatric patient. <i>Pediatric Transplantation</i> , 2014, 18, E280-2.	0.5	18
86	A long noncoding RNA protects the heart from pathological hypertrophy. <i>Nature</i> , 2014, 514, 102-106.	13.7	672
87	Multi-institutional Study of Outcomes After Pediatric Heart Transplantation: Candidate Gene Polymorphism Analysis of ABCC2. <i>Journal of Pediatric Pharmacology and Therapeutics</i> , 2014, 19, 16-24.	0.3	14
88	Lower socioeconomic status is associated with worse outcomes after both listing and transplanting children with heart failure. <i>Pediatric Transplantation</i> , 2013, 17, 573-581.	0.5	36
89	FK506 activates BMPR2, rescues endothelial dysfunction, and reverses pulmonary hypertension. <i>Journal of Clinical Investigation</i> , 2013, 123, 3600-3613.	3.9	354
90	Renal function and genetic polymorphisms in pediatric heart transplant recipients. <i>Journal of Heart and Lung Transplantation</i> , 2012, 31, 1003-1008.	0.3	9

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91	Use of the Impella 5.0 as a bridge from ECMO to implantation of the HeartMate II left ventricular assist device in a pediatric patient. <i>Pediatric Transplantation</i> , 2012, 16, 205-206.	0.5	19
92	Clinical usefulness of a novel C1q assay to detect immunoglobulin G antibodies capable of fixing complement in sensitized pediatric heart transplant patients. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 158-163.	0.3	196
93	β_2 -adrenergic receptors mediate cardioprotection through crosstalk with mitochondrial cell death pathways. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 781-789.	0.9	37
94	Gene Polymorphisms Impact the Risk of Rejection With Hemodynamic Compromise: A Multicenter Study. <i>Transplantation</i> , 2011, 91, 1326-1332.	0.5	21
95	New directions in basic research in hypertrophy and heart failure: Relevance for pediatric cardiology. <i>Progress in Pediatric Cardiology</i> , 2011, 32, 5-9.	0.2	7
96	The role of β_2 -adrenergic receptors in heart failure: Differential regulation of cardiotoxicity and cardioprotection. <i>Progress in Pediatric Cardiology</i> , 2011, 31, 35-38.	0.2	53
97	Association of genetic polymorphisms and risk of late post-transplantation infection in pediatric heart recipients. <i>Journal of Heart and Lung Transplantation</i> , 2010, 29, 1342-1351.	0.3	12
98	Association of Left Ventricular Dilation at Listing for Heart Transplant With Postlisting and Early Posttransplant Mortality in Children With Dilated Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2009, 2, 591-598.	1.6	29
99	Genotypic Variation and Phenotypic Characterization of Granzyme B Gene Polymorphisms. <i>Transplantation</i> , 2009, 87, 1801-1806.	0.5	9
100	Genetic Polymorphisms Impact the Risk of Acute Rejection in Pediatric Heart Transplantation: A Multi-Institutional Study. <i>Transplantation</i> , 2008, 85, 1632-1639.	0.5	56
101	Indications for Heart Transplantation in Pediatric Heart Disease. <i>Circulation</i> , 2007, 115, 658-676.	1.6	269
102	Gene Expression Profiling Distinguishes a Molecular Signature for Grade 1B Mild Acute Cellular Rejection in Cardiac Allograft Recipients. <i>Journal of Heart and Lung Transplantation</i> , 2007, 26, 1270-1280.	0.3	34
103	Disparate Distribution of 16 Candidate Single Nucleotide Polymorphisms Among Racial and Ethnic Groups of Pediatric Heart Transplant Patients. <i>Transplantation</i> , 2006, 82, 1774-1780.	0.5	67
104	Differential cardioprotective/cardiotoxic effects mediated by β_2 -adrenergic receptor subtypes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2441-H2449.	1.5	82
105	The role of β_2 -Adrenergic Receptor Signaling in Cardioprotection. <i>FASEB Journal</i> , 2005, 19, 983-985.	0.2	68
106	Linearity versus Cross-Talk: Biological Models and the Role of the Society for Pediatric Research in the 21st Century. <i>Pediatric Research</i> , 2004, 56, 177-183.	1.1	0
107	Atrial tachyarrhythmias and permanent pacing after pediatric heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2003, 22, 1126-1133.	0.3	31
108	Exercise assessment of transgenic models of human cardiovascular disease. <i>Physiological Genomics</i> , 2003, 13, 217-226.	1.0	61

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109	Cardiovascular and Metabolic Alterations in Mice Lacking $\hat{1}^21$ - and $\hat{1}^22$ -Adrenergic Receptors. Trends in Cardiovascular Medicine, 2002, 12, 287-294.	2.3	22
110	<sc>l</sc>-Arginine enhances aerobic exercise capacity in association with augmented nitric oxide production. Journal of Applied Physiology, 2001, 90, 933-938.	1.2	59
111	Lipoprotein abnormalities are highly prevalent in pediatric heart transplant recipients. Pediatric Transplantation, 2000, 4, 193-199.	0.5	36
112	Phospholamban deficiency does not compromise exercise capacity. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H1172-H1177.	1.5	24
113	The use of advanced-age donor hearts adversely affects survival in pediatric heart transplantation. Pediatric Transplantation, 1999, 3, 309-314.	0.5	28
114	American Pediatric Society/Society for Pediatric Research Code of Responsible Conduct of Research. Pediatric Research, 1999, 45, 613-614.	1.1	3
115	Developmental and Afterload Stress Regulation of Heat Shock Proteins in the Ovine Myocardium1. Pediatric Research, 1997, 41, 51-56.	1.1	4
116	Cardiac transplantation for hypertrophic cardiomyopathy associated with sengers' syndrome. Annals of Thoracic Surgery, 1995, 60, 1425-1427.	0.7	12
117	Comparative Circulatory Effects of Isoproterenol and Dopamine in Lambs with Experimental Cyanotic Heart Disease. Pediatric Research, 1991, 29, 323-333.	1.1	10
118	Pediatric Heart Transplantation at Stanford: Results of a 15-Year Experience. Pediatrics, 1991, 88, 203-214.	1.0	121
119	Chronic Anemia in the Newborn Lamb: Cardiovascular Adaptations and Comparison to Chronic Hypoxemia. Pediatric Research, 1988, 23, 621-627.	1.1	6
120	Redistribution of Regional Blood Flow and Oxygen Delivery in Experimental Cyanotic Heart Disease in Newborn Lambs. Pediatric Research, 1987, 22, 389-393.	1.1	17
121	Chronic Hypoxemia in the Newborn Lamb: Cardiovascular, Hematopoietic, and Growth Adaptations. Pediatric Research, 1985, 19, 1004-1010.	1.1	20
122	Fatal nocardiosis infection in a pediatric patient with an immunodeficiency after heart <sc>reâ€transplantation</sc>. Pediatric Transplantation, 0, , .	0.5	1