

Brian D Lowes

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

6,953
citations

76326

40
h-index

58581

82
g-index

107
all docs

107
docs citations

107
times ranked

7245
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A Fully Magnetically Levitated Left Ventricular Assist Device – Final Report. <i>New England Journal of Medicine</i> , 2019, 380, 1618-1627. | 27.0 | 837 |
| 2 | Myocardial Gene Expression in Dilated Cardiomyopathy Treated with Beta-Blocking Agents. <i>New England Journal of Medicine</i> , 2002, 346, 1357-1365. | 27.0 | 462 |
| 3 | Changes in gene expression in the intact human heart. Downregulation of alpha-myosin heavy chain in hypertrophied, failing ventricular myocardium.. <i>Journal of Clinical Investigation</i> , 1997, 100, 2315-2324. | 8.2 | 455 |
| 4 | Angiotensin-converting enzyme DD genotype in patients with ischaemic or idiopathic dilated cardiomyopathy. <i>Lancet, The</i> , 1993, 342, 1073-1075. | 13.7 | 411 |
| 5 | Adora2b-elicited Per2 stabilization promotes a HIF-dependent metabolic switch crucial for myocardial adaptation to ischemia. <i>Nature Medicine</i> , 2012, 18, 774-782. | 30.7 | 278 |
| 6 | Effects of carvedilol on left ventricular mass, chamber geometry, and mitral regurgitation in chronic heart failure. <i>American Journal of Cardiology</i> , 1999, 83, 1201-1205. | 1.6 | 275 |
| 7 | Systemic hemodynamic, neurohormonal, and renal effects of a steady-state infusion of human brain natriuretic peptide in patients with hemodynamically decompensated heart failure. <i>Journal of Cardiac Failure</i> , 1998, 4, 37-44. | 1.7 | 233 |
| 8 | Drug Therapy in the Heart Transplant Recipient. <i>Circulation</i> , 2004, 110, 3858-3865. | 1.6 | 200 |
| 9 | The effect of diabetes on outcomes of patients with advanced heart failure in the BEST trial. <i>Journal of the American College of Cardiology</i> , 2003, 42, 914-922. | 2.8 | 198 |
| 10 | Prevalence of depression in congestive heart failure. <i>American Journal of Cardiology</i> , 1999, 84, 348-350. | 1.6 | 181 |
| 11 | Echocardiographic predictors of morbidity and mortality in patients with advanced heart failure. <i>Journal of the American College of Cardiology</i> , 2005, 45, 1064-1071. | 2.8 | 167 |
| 12 | Drug Therapy in the Heart Transplant Recipient. <i>Circulation</i> , 2004, 110, 3734-3740. | 1.6 | 153 |
| 13 | Dilated Cardiomyopathy Associated With Deficiency of the Cytoskeletal Protein Metavinculin. <i>Circulation</i> , 1997, 95, 17-20. | 1.6 | 140 |
| 14 | Milrinone versus dobutamine in heart failure subjects treated chronically with carvedilol. <i>International Journal of Cardiology</i> , 2001, 81, 141-149. | 1.7 | 128 |
| 15 | Combined Oral Positive Inotropic and Beta-Blocker Therapy for Treatment of Refractory Class IV Heart Failure. <i>Journal of the American College of Cardiology</i> , 1998, 31, 1336-1340. | 2.8 | 126 |
| 16 | Signaling Pathways Responsible for Fetal Gene Induction in the Failing Human Heart. <i>Circulation</i> , 2001, 103, 1089-1094. | 1.6 | 122 |
| 17 | The Pressure-Overloaded Right Ventricle in Pulmonary Hypertension. <i>Chest</i> , 1998, 114, 101S-106S. | 0.8 | 120 |
| 18 | Drug Therapy in the Heart Transplant Recipient. <i>Circulation</i> , 2005, 111, 113-117. | 1.6 | 111 |

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|----|--|-----|-----------|
| 19 | Association of Clinical Outcomes With Left Ventricular Assist Device Use by Bridge to Transplant or Destination Therapy Intent. <i>JAMA Cardiology</i> , 2020, 5, 411. | 6.1 | 109 |
| 20 | Prospective Multicenter Study of Myocardial Recovery Using Left Ventricular Assist Devices (RESTAGE-HF [Remission from Stage D Heart Failure]). <i>Circulation</i> , 2020, 142, 2016-2028. | 1.6 | 108 |
| 21 | An β_2 -Adrenergic Receptor Polymorphism Alters the Norepinephrine-Lowering Effects and Therapeutic Response of the β_1 -Blocker Bucindolol in Chronic Heart Failure. <i>Circulation: Heart Failure</i> , 2010, 3, 21-28. | 3.9 | 103 |
| 22 | Angiotensin II formation in the intact human heart. Predominance of the angiotensin-converting enzyme pathway. <i>Journal of Clinical Investigation</i> , 1995, 96, 1490-1498. | 8.2 | 101 |
| 23 | The role of third-generation beta-blocking agents in chronic heart failure. <i>Clinical Cardiology</i> , 1998, 21, 113-113. | 1.8 | 85 |
| 24 | Impact of Cardiac Resynchronization Therapy on Exercise Performance, Functional Capacity, and Quality of Life in Systolic Heart Failure With QRS Prolongation: COMPANION Trial Sub-Study. <i>Journal of Cardiac Failure</i> , 2008, 14, 9-18. | 1.7 | 82 |
| 25 | Variant Interpretation for Dilated Cardiomyopathy. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002480. | 3.6 | 70 |
| 26 | Incomplete Recovery of Myocyte Contractile Function Despite Improvement of Myocardial Architecture With Left Ventricular Assist Device Support. <i>Circulation: Heart Failure</i> , 2011, 4, 425-432. | 3.9 | 69 |
| 27 | Myocardial glucose and lactate metabolism during rest and atrial pacing in humans. <i>Journal of Physiology</i> , 2009, 587, 2087-2099. | 2.9 | 66 |
| 28 | Low-dose enoximone improves exercise capacity in chronic heart failure—A list of the Enoximone Study Group Members and institutional affiliations is provided in the appendix. <i>Journal of the American College of Cardiology</i> , 2000, 36, 501-508. | 2.8 | 58 |
| 29 | Inotropes and β -blockers: Is there a need for new guidelines?. <i>Journal of Cardiac Failure</i> , 2001, 7, 8-12. | 1.7 | 57 |
| 30 | Angiotensin-converting enzyme DD genotype in patients with primary pulmonary hypertension: increased frequency and association with preserved haemodynamics. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2003, 4, 27-30. | 1.7 | 56 |
| 31 | Hormone replacement therapy is associated with improved survival in women with advanced heart failure. <i>Journal of the American College of Cardiology</i> , 2003, 42, 1238-1245. | 2.8 | 54 |
| 32 | Patient preferences for heart failure treatment: Utilities are valid measures of health-related quality of life in heart failure. <i>Journal of Cardiac Failure</i> , 1999, 5, 85-91. | 1.7 | 53 |
| 33 | Possible heart failure exacerbation associated with pregabalin: case discussion and literature review. <i>Journal of Cardiovascular Medicine</i> , 2008, 9, 922-925. | 1.5 | 53 |
| 34 | Structural and Functional Phenotyping of the Failing Heart. <i>JACC: Heart Failure</i> , 2017, 5, 772-781. | 4.1 | 53 |
| 35 | Dynamic Regulation of SARS-Cov-2 Binding and Cell Entry Mechanisms in Remodeled Human Ventricular Myocardium. <i>JACC Basic To Translational Science</i> , 2020, 5, 871-883. | 4.1 | 51 |
| 36 | [β]-Blockade in adriamycin-induced cardiomyopathy. <i>Journal of Cardiac Failure</i> , 2000, 6, 115-119. | 1.7 | 51 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Importance of Angiotensin-Converting Enzyme in Pulmonary Hypertension. <i>Cardiology</i> , 1995, 86, 9-15. | 1.4 | 45 |
| 38 | Left ventricular assist device as bridge to transplantation does not adversely affect one-year heart transplantation survival. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 774-777. | 0.8 | 44 |
| 39 | Myocardial microRNAs associated with reverse remodeling in human heart failure. <i>JCI Insight</i> , 2017, 2, e89169. | 5.0 | 42 |
| 40 | Association of DJ-1/PTEN/AKT- and ASK1/p38-mediated cell signalling with ischaemic cardiomyopathy. <i>Cardiovascular Research</i> , 2013, 97, 66-76. | 3.8 | 41 |
| 41 | Quality of Life and Prognosis in Heart Failure: Results of the Beta-Blocker Evaluation of Survival Trial (BEST). <i>Journal of Cardiac Failure</i> , 2007, 13, 732-737. | 1.7 | 40 |
| 42 | Therapeutic Molecular Phenotype of β -Blocker-Associated Reverse-Remodeling in Nonischemic Dilated Cardiomyopathy. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 270-283. | 5.1 | 40 |
| 43 | BOOP is Common in Cardiac Transplant Recipients Switched from a Calcineurin Inhibitor to Sirolimus. <i>American Journal of Transplantation</i> , 2005, 5, 1392-1396. | 4.7 | 37 |
| 44 | Left Ventricular Assist Devices in Pulmonary Hypertension Group 2 With Significantly Elevated Pulmonary Vascular Resistance: A Bridge to Cure. <i>Heart Lung and Circulation</i> , 2019, 28, 946-952. | 0.4 | 36 |
| 45 | Inhaled Milrinone After Left Ventricular Assist Device Implantation. <i>Journal of Cardiac Failure</i> , 2015, 21, 792-797. | 1.7 | 34 |
| 46 | Altered Expression of Endothelin Receptors in Failing Human Left Ventricles. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 833-846. | 1.9 | 33 |
| 47 | Rationale and Design of the Treatment of Hyponatremia Based on Lixivaptan in NYHA Class III/IV Cardiac Patient Evaluation (THE BALANCE) Study. <i>Clinical and Translational Science</i> , 2010, 3, 249-253. | 3.1 | 33 |
| 48 | Outcomes in Patients with Severe Preexisting Renal Dysfunction After Continuous-Flow Left Ventricular Assist Device Implantation. <i>ASAIO Journal</i> , 2016, 62, 261-267. | 1.6 | 32 |
| 49 | Peak oxygen consumption and outcome in heart failure patients chronically treated with β -blockers. <i>Journal of Cardiac Failure</i> , 2004, 10, 15-20. | 1.7 | 31 |
| 50 | Second- and third-generation beta-blocking drugs in chronic heart failure. <i>Cardiovascular Drugs and Therapy</i> , 1997, 11, 291-296. | 2.6 | 30 |
| 51 | Aspirin impairs reverse myocardial remodeling in patients with heart failure treated with beta-blockers. <i>Journal of the American College of Cardiology</i> , 2001, 38, 1950-1956. | 2.8 | 29 |
| 52 | Serial Gene Expression Profiling in the Intact Human Heart. <i>Journal of Heart and Lung Transplantation</i> , 2006, 25, 579-588. | 0.6 | 28 |
| 53 | Prevalence and Cumulative Risk of Familial Idiopathic Dilated Cardiomyopathy. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 454. | 7.4 | 28 |
| 54 | Predicting response to carvedilol for the treatment of heart failure: A multivariate retrospective analysis. <i>Journal of Cardiac Failure</i> , 2001, 7, 4-12. | 1.7 | 27 |

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|----|---|-----|-----------|
| 55 | Rationale and Design of the Enoximone Clinical Trials Program. <i>Journal of Cardiac Failure</i> , 2005, 11, 659-669. | 1.7 | 26 |
| 56 | Low-dose oral enoximone enhances the ability to wean patients with ultra-advanced heart failure from intravenous inotropic support: Results of the oral enoximone in intravenous inotrope-dependent subjects trial. <i>American Heart Journal</i> , 2007, 154, 861-869. | 2.7 | 25 |
| 57 | Do Psychosocial Factors Have Any Impact on Outcomes After Left Ventricular Assist Device Implantation?. <i>ASAIO Journal</i> , 2018, 64, e43-e47. | 1.6 | 25 |
| 58 | Risk of Death in Heart Disease is Associated With Elevated Urinary Globotriaosylceramide. <i>Journal of the American Heart Association</i> , 2014, 3, e000394. | 3.7 | 22 |
| 59 | Targeted myocardial gene expression in failing hearts by RNA sequencing. <i>Journal of Translational Medicine</i> , 2016, 14, 327. | 4.4 | 22 |
| 60 | A Personalized BEST: Characterization of Latent Clinical Classes of Nonischemic Heart Failure That Predict Outcomes and Response to Bucindolol. <i>PLoS ONE</i> , 2012, 7, e48184. | 2.5 | 21 |
| 61 | Left Ventricular Assist Device Effects on Metabolic Substrates in the Failing Heart. <i>PLoS ONE</i> , 2013, 8, e60292. | 2.5 | 19 |
| 62 | Assist Devices Fail to Reverse Patterns of Fetal Gene Expression Despite β -Blockers. <i>Journal of Heart and Lung Transplantation</i> , 2007, 26, 1170-1176. | 0.6 | 18 |
| 63 | Baseline and Serial Neurohormones in Patients With Congestive Heart Failure Treated With and Without Bucindolol: Results of the Neurohumoral Substudy of the Beta-Blocker Evaluation of Survival Study (BEST). <i>Journal of Cardiac Failure</i> , 2007, 13, 437-444. | 1.7 | 17 |
| 64 | Low-dose inotropic therapy for ambulatory heart failure. <i>Coronary Artery Disease</i> , 1994, 5, 112-118. | 0.7 | 16 |
| 65 | Comparative hemodynamic effects of milrinone and dobutamine in heart failure patients treated chronically with carvedilol. <i>Journal of Cardiac Failure</i> , 1998, 4, 36. | 1.7 | 16 |
| 66 | TGF- β induces a heart failure phenotype via fibroblasts exosome signaling. <i>Heliyon</i> , 2019, 5, e02633. | 3.2 | 15 |
| 67 | Myocardial FFA metabolism during rest and atrial pacing in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E358-E366. | 3.5 | 14 |
| 68 | Hypotension with Dobutamine: β -Adrenergic Antagonist Selectivity at Low Doses of Carvedilol. <i>Annals of Pharmacotherapy</i> , 1999, 33, 1266-1269. | 1.9 | 13 |
| 69 | Depression and anxiety in patients undergoing left ventricular assist device implantation. <i>International Journal of Artificial Organs</i> , 2018, 41, 76-83. | 1.4 | 11 |
| 70 | Right ventricular phenotypic characteristics in subjects with primary pulmonary hypertension or idiopathic dilated cardiomyopathy. <i>Journal of Cardiac Failure</i> , 1999, 5, 46-54. | 1.7 | 10 |
| 71 | Combined Heart and Liver Transplantation Against Positive Cross-Match for Patient With Hypoplastic Left Heart Syndrome. <i>Transplantation</i> , 2014, 98, e100-e102. | 1.0 | 10 |
| 72 | Percutaneous Deactivation of Left Ventricular Assist Devices. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2020, 32, 467-472. | 0.6 | 9 |

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|----|--|-----|-----------|
| 73 | Cytomegalovirus reactivation and colitis after left ventricular assist device placement. <i>International Journal of Infectious Diseases</i> , 2013, 17, e348-e351. | 3.3 | 8 |
| 74 | Worsening Renal Function in Patients With Acute Decompensated Heart Failure Treated With Ultrafiltration: Predictors and Outcomes. <i>Journal of Cardiac Failure</i> , 2013, 19, 787-794. | 1.7 | 8 |
| 75 | Sirolimus for Recurrent Giant Cell Myocarditis After Heart Transplantation: A Unique Therapeutic Strategy. <i>American Journal of Therapeutics</i> , 2019, 26, e600-e603. | 0.9 | 8 |
| 76 | Sequential analysis of myocardial gene expression with phenotypic change: Use of cross-platform concordance to strengthen biologic relevance. <i>PLoS ONE</i> , 2019, 14, e0221519. | 2.5 | 8 |
| 77 | PROVIDE-HF primary results: Patient-Reported Outcomes in Investigation following Initiation of Drug therapy with Entresto (sacubitril/valsartan) in heart failure. <i>American Heart Journal</i> , 2020, 230, 35-43. | 2.7 | 8 |
| 78 | Electronic cigarette extract induced toxic effect in iPS-derived cardiomyocytes. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 357. | 1.7 | 8 |
| 79 | Preoperative Right Heart Dysfunction and Gastrointestinal Bleeding in Patients with Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2021, 67, 324-331. | 1.6 | 8 |
| 80 | Comparative hemodynamic effects of OPC-18790 and dobutamine in patients with advanced heart failure. <i>Journal of Cardiac Failure</i> , 1994, 1, 57-62. | 1.7 | 7 |
| 81 | Elevated Heart Rate Following Heart Transplantation Is Associated With Increased Graft Vasculopathy and Mortality. <i>Journal of Cardiac Failure</i> , 2019, 25, 249-256. | 1.7 | 7 |
| 82 | Molecular remodeling in the failing human heart. <i>Current Heart Failure Reports</i> , 2005, 2, 5-9. | 3.3 | 6 |
| 83 | Gene expression profile of the recovering human heart. <i>European Heart Journal</i> , 2006, 28, 522-524. | 2.2 | 6 |
| 84 | Genetic determinants of drug response in heart failure. <i>Current Cardiology Reports</i> , 2008, 10, 176-181. | 2.9 | 6 |
| 85 | Sinus tachycardia is associated with impaired exercise tolerance following heart transplantation. <i>Clinical Transplantation</i> , 2017, 31, e12946. | 1.6 | 5 |
| 86 | Risk Factors for In-Hospital Mortality in Heart Failure Patients: Does Rurality, Payer or Admission Source Matter?. <i>Journal of Rural Health</i> , 2018, 34, 103-108. | 2.9 | 5 |
| 87 | Recurrent pump thrombosis is common after axial continuous-flow left ventricular assist device exchange. <i>International Journal of Artificial Organs</i> , 2020, 43, 109-118. | 1.4 | 5 |
| 88 | Impact of temporary mechanical circulatory support for early graft failure on post-heart transplantation outcomes. <i>Clinical Transplantation</i> , 2020, 34, e14060. | 1.6 | 5 |
| 89 | TTR variants in patients with dilated cardiomyopathy: An investigation of the DCM Precision Medicine Study. <i>Genetics in Medicine</i> , 2022, 24, 1495-1502. | 2.4 | 5 |
| 90 | Effect of diltiazem on exercise capacity after heart transplantation. <i>Clinical Transplantation</i> , 2017, 31, e12997. | 1.6 | 4 |

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|-----|--|-----|-----------|
| 91 | Overdrive Pacing Suppresses Ectopy and Minimizes Left Ventricular Assist Device Suction Events. <i>Circulation: Heart Failure</i> , 2009, 2, 516-517. | 3.9 | 3 |
| 92 | Timed Response to Inhaled Nitric Oxide in Pulmonary Hypertension. <i>Pulmonary Circulation</i> , 2014, 4, 103-109. | 1.7 | 3 |
| 93 | The Effect of Donor Alcohol Abuse on Outcomes Following Heart Transplantation. <i>Clinical Transplantation</i> , 2018, 33, e13461. | 1.6 | 3 |
| 94 | Use of the Late-Life Function and Disability Instrument for Measuring Physical Functioning in Patients With Heart Failure. <i>Journal of Nursing Measurement</i> , 2016, 24, 323-336. | 0.3 | 2 |
| 95 | Impaired Exercise Tolerance Early After Heart Transplantation Is Associated With Development of Cardiac Allograft Vasculopathy. <i>Transplantation</i> , 2020, 104, 2196-2203. | 1.0 | 2 |
| 96 | Myocardial protection in sepsis. <i>Critical Care</i> , 2008, 12, 177. | 5.8 | 1 |
| 97 | Can we expect improvements in outcomes with centrifugal vs axial flow left ventricular assist devices in patients transitioned from extracorporeal life support?. <i>Journal of Cardiac Surgery</i> , 2019, 34, 1228-1234. | 0.7 | 1 |
| 98 | Pulmonary Function Testing Pre-heart Transplant Predicts Posttransplant Survival. <i>Transplantation Direct</i> , 2021, 7, e752. | 1.6 | 1 |
| 99 | Damaging Cardiac and Cancer Genetic Variants in the LVAD Population. <i>The VAD Journal: the Journal of Mechanical Assisted Circulation and Heart Failure</i> , 0, , . | 2.0 | 1 |
| 100 | Electrocardiographic characteristics, antiarrhythmic utilization, and outcomes in patients with left ventricular assist devices. <i>The VAD Journal: the Journal of Mechanical Assisted Circulation and Heart Failure</i> , 0, , . | 2.0 | 1 |
| 101 | Dynamic Regulation of SARS-CoV-2 Binding and Cell Entry Mechanisms in Remodeled Human Ventricular Myocardium. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 1 |
| 102 | Perioperative Management of Pheochromocytoma Resection in a Patient with a Continuous Flow Left Ventricular Assist Device. <i>Journal of the Saudi Heart Association</i> , 2020, 32, 233-235. | 0.4 | 1 |
| 103 | Genetic determinants of drug response in heart failure. <i>Current Cardiovascular Risk Reports</i> , 2008, 2, 485-490. | 2.0 | 0 |
| 104 | Transcriptional and free radical responses to LVAD therapy. <i>Translational Medicine Communications</i> , 2020, 5, . | 1.4 | 0 |