

Ryan R Davies

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

4,299
citations

31
h-index

64
g-index

145
ext. papers

5,125
ext. citations

2.2
avg, IF

5.03
L-index

#	Paper	IF	Citations
112	Yearly rupture or dissection rates for thoracic aortic aneurysms: simple prediction based on size. <i>Annals of Thoracic Surgery</i> , 2002 , 73, 17-27; discussion 27-8	2.7	712
111	Novel measurement of relative aortic size predicts rupture of thoracic aortic aneurysms. <i>Annals of Thoracic Surgery</i> , 2006 , 81, 169-77	2.7	396
110	Familial thoracic aortic aneurysms and dissections--incidence, modes of inheritance, and phenotypic patterns. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 1400-5	2.7	321
109	Familial patterns of thoracic aortic aneurysms. <i>Archives of Surgery</i> , 1999 , 134, 361-7		230
108	Natural history of ascending aortic aneurysms in the setting of an unreplaced bicuspid aortic valve. <i>Annals of Thoracic Surgery</i> , 2007 , 83, 1338-44	2.7	229
107	The effect of ischemic time on survival after heart transplantation varies by donor age: an analysis of the United Network for Organ Sharing database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 133, 554-9	1.5	161
106	Listing and transplanting adults with congenital heart disease. <i>Circulation</i> , 2011 , 123, 759-67	16.7	129
105	Trends and outcomes in transplantation for complex congenital heart disease: 1984 to 2004. <i>Annals of Thoracic Surgery</i> , 2004 , 78, 1352-61; discussion 1352-61	2.7	108
104	Outcomes after transplantation for "failed" Fontan: a single-institution experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 1183-1192.e4	1.5	107
103	High lung allocation score is associated with increased morbidity and mortality following transplantation. <i>Chest</i> , 2010 , 137, 651-7	5.3	100
102	The effect of body mass index on survival following heart transplantation: do outcomes support consensus guidelines?. <i>Annals of Surgery</i> , 2010 , 251, 144-52	7.8	85
101	Standard versus bicaval techniques for orthotopic heart transplantation: an analysis of the United Network for Organ Sharing database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 700-8, 708.e1-2	1.5	79
100	The use of mechanical circulatory support as a bridge to transplantation in pediatric patients: an analysis of the United Network for Organ Sharing database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 135, 421-7, 427.e1	1.5	78
99	Stroke in surgery of the thoracic aorta: incidence, impact, etiology, and prevention. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2001 , 122, 935-45	1.5	74
98	Association of pulmonary conduit type and size with durability in infants and young children. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 1695-701; discussion 1701-2	2.7	70
97	Posttransplant survival is not diminished in heart transplant recipients bridged with implantable left ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 138, 1425-32.e1-3	1.5	61
96	Interval or permanent nonoperative management of acute type A aortic dissection. <i>Archives of Surgery</i> , 1999 , 134, 402-5; discussion 405-6		60

95	Who is the high-risk recipient? Predicting mortality after lung transplantation using pretransplant risk factors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 138, 1234-1238.e1	1.5	56
94	Predicting survival among high-risk pediatric cardiac transplant recipients: an analysis of the United Network for Organ Sharing database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 135, 147-55, 155.e1-2	1.5	56
93	A change of heart: Preliminary results of the US 2018 adult heart allocation revision. <i>American Journal of Transplantation</i> , 2020 , 20, 2781-2790	8.7	51
92	Bilateral pulmonary arterial banding results in an increased need for subsequent pulmonary artery interventions. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 706-12	1.5	51
91	Post-heart transplant survival is inferior at low-volume centers across all risk strata. <i>Circulation</i> , 2010 , 122, S85-91	16.7	46
90	Matching high-risk recipients with marginal donor hearts is a clinically effective strategy. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 1066-70; discussion 1071	2.7	46
89	Despite decreased wait-list times for lung transplantation, lung allocation scores continue to increase. <i>Chest</i> , 2009 , 135, 923-928	5.3	46
88	Predictive value of perioperative near-infrared spectroscopy for neurodevelopmental outcomes after cardiac surgery in infancy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 145, 438-445.e1; discussion 444-5	1.5	44
87	Ventricular assist devices as a bridge-to-transplant improve early post-transplant outcomes in children. <i>Journal of Heart and Lung Transplantation</i> , 2014 , 33, 704-12	5.8	41
86	Longitudinal assessment of growth in hypoplastic left heart syndrome: results from the single ventricle reconstruction trial. <i>Journal of the American Heart Association</i> , 2014 , 3, e000079	6	39
85	Outcomes of children supported with devices labeled as "temporary" or short term: A report from the Pediatric Interagency Registry for Mechanical Circulatory Support. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 54-60	5.8	39
84	The effect of repair technique on postoperative right-sided obstruction in patients with truncus arteriosus. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005 , 129, 559-68	1.5	36
83	Worldwide Experience of a Durable Centrifugal Flow Pump in Pediatric Patients. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2018 , 30, 327-335	1.7	33
82	Surgical Reconstruction for Severe Tracheal Obstruction in Morquio A Syndrome. <i>Annals of Thoracic Surgery</i> , 2016 , 102, e329-31	2.7	32
81	Increased short- and long-term mortality at low-volume pediatric heart transplant centers: should minimum standards be set? Retrospective data analysis. <i>Annals of Surgery</i> , 2011 , 253, 393-401	7.8	31
80	Early experience with the HeartMate 3 continuous-flow ventricular assist device in pediatric patients and patients with congenital heart disease: A multicenter registry analysis. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 573-579	5.8	29
79	What is high risk? Redefining elevated pulmonary vascular resistance index in pediatric heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2012 , 31, 61-6	5.8	28
78	Current spectrum of surgical procedures performed for Ebstein's malformation: an analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 1703-9; discussion 1709-10	2.7	27

77	Thoracic Surgery Directors Association Award. What is the optimal management of late-presenting survivors of acute type A aortic dissection?. <i>Annals of Thoracic Surgery</i> , 2007 , 83, 1593-601; discussion 1601-2	2.7	27
76	The Fontan procedure: evolution in technique; attendant imperfections and transplantation for "failure". <i>Pediatric Cardiac Surgery Annual</i> , 2011 , 14, 55-66	2.1	26
75	Surgical reconstruction of tracheal stenosis in conjunction with congenital heart defects. <i>Annals of Thoracic Surgery</i> , 2012 , 93, 1266-72; discussion 1272-3	2.7	25
74	Midterm results of the modified Ross/Konno procedure in neonates and infants. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 156-62; discussion 162-3	2.7	25
73	Donor organ turn-downs and outcomes after listing for pediatric heart transplant. <i>Journal of Heart and Lung Transplantation</i> , 2019 , 38, 241-251	5.8	23
72	Lower socioeconomic status is associated with worse outcomes after both listing and transplanting children with heart failure. <i>Pediatric Transplantation</i> , 2013 , 17, 573-81	1.8	22
71	Indications, timing, and prognosis of operative repair of aortic dissections. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2005 , 17, 224-35	1.7	22
70	Gastrointestinal complications after stage I Norwood versus hybrid procedures. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 189-95; discussion 195-6	2.7	20
69	Age less than two years is not a risk factor for mortality after mitral valve replacement in children. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 1228-34	2.7	17
68	Hybrid palliation for critical systemic outflow obstruction: neither rapid stage 1 Norwood nor comprehensive stage 2 mitigate consequences of early risk factors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 149, 182-91	1.5	16
67	Assessment of Growth 6 Years after the Norwood Procedure. <i>Journal of Pediatrics</i> , 2017 , 180, 270-274.e6	6.6	16
66	Surgical Management and Outcomes of Ebstein Anomaly in Neonates and Infants: A Society of Thoracic Surgeons Congenital Heart Surgery Database Analysis. <i>Annals of Thoracic Surgery</i> , 2018 , 106, 785-791	2.7	16
65	Variability in donor selection among pediatric heart transplant providers: Results from an international survey. <i>Pediatric Transplantation</i> , 2019 , 23, e13417	1.8	15
64	Low body mass index is associated with increased waitlist mortality among children listed for heart transplant. <i>Journal of Heart and Lung Transplantation</i> , 2015 , 34, 1462-70	5.8	15
63	Developmental screening in children with CHD: Ages and Stages Questionnaires. <i>Cardiology in the Young</i> , 2017 , 27, 1447-1454	1	14
62	Decision-Making for Surgery in the Management of Patients with Univentricular Heart. <i>Frontiers in Pediatrics</i> , 2015 , 3, 61	3.4	14
61	Using the UNOS/SRTR and PHTS Databases to Improve Quality in Pediatric Cardiac Transplantation. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2012 , 3, 421-32	1.1	14
60	Laryngopharyngeal dysfunction independent of vocal fold palsy in infants after aortic arch interventions. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 617-24.e2	1.5	11

59	Evidence supports severe renal insufficiency as a relative contraindication to heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 893-900	5.8	11
58	Adult-age donors offer acceptable long-term survival to pediatric heart transplant recipients: an analysis of the United Network of Organ Sharing database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 132, 1208-12	1.5	10
57	Pediatric cardiac waitlist mortality-Still too high. <i>Pediatric Transplantation</i> , 2020 , 24, e13671	1.8	9
56	Regional variation in survival before and after pediatric heart transplantation--an analysis of the UNOS database. <i>American Journal of Transplantation</i> , 2013 , 13, 1817-29	8.7	9
55	Utilization and Outcomes of Temporary Ventricular Assist Devices in Children: A Report from the Pediatric Interagency Registry for Mechanical Circulatory Support (Pedimacs). <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, S45-S46	5.8	8
54	Urgent listing exceptions and outcomes in pediatric heart transplantation: Comparison to standard criteria patients. <i>Journal of Heart and Lung Transplantation</i> , 2017 , 36, 280-288	5.8	8
53	Improving early outcomes following hybrid procedure for patients with single ventricle and systemic outflow obstruction: defining risk factors \square <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 47, 995-1000; discussion 1000-1	3	8
52	Using virtual reality simulated implantation for fit-testing pediatric patients for adult ventricular assist devices. <i>JTCVS Techniques</i> , 2021 , 6, 134-137	0.2	8
51	Changes in renal function after left ventricular assist device placement in pediatric patients: A Pedimacs analysis. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 1218-1225	5.8	8
50	Can linking databases answer questions about paediatric heart failure?. <i>Cardiology in the Young</i> , 2015 , 25 Suppl 2, 160-6	1	7
49	Fifth Annual Pediatric Interagency Registry for Mechanical Circulatory Support (Pedimacs) Report. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 1763-1774	2.7	7
48	Behavioral economics-A framework for donor organ decision-making in pediatric heart transplantation. <i>Pediatric Transplantation</i> , 2020 , 24, e13655	1.8	6
47	Neurodevelopmental outcomes after infant cardiac surgery with circulatory arrest and intermittent perfusion. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 119-24	2.7	6
46	First use of an intra-pericardial continuous flow ventricular assist device in a child with muscular dystrophy. <i>Cardiology in the Young</i> , 2015 , 25, 184-6	1	5
45	Predicting utility of exercise tests based on history/holter in patients with premature ventricular contractions. <i>Pediatric Cardiology</i> , 2015 , 36, 214-8	2.1	5
44	Creation of a quantitative score to predict the need for mechanical support in children awaiting heart transplant. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 675-82; discussion 682-4	2.7	5
43	Mitral Valve Surgery in the First Year of Life. <i>Pediatric Cardiology</i> , 2020 , 41, 334-340	2.1	5
42	Utilization and outcomes in biventricular assist device support in pediatrics. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 1301-1308.e2	1.5	5

41	Review of interactions between high-risk pediatric heart transplant recipients and marginal donors including utilization of risk score models. <i>Pediatric Transplantation</i> , 2020 , 24, e13665	1.8	4
40	Effects of donor cause of death, ischemia time, inotrope exposure, troponin values, cardiopulmonary resuscitation, electrocardiographic and echocardiographic data on recipient outcomes: A review of the literature. <i>Pediatric Transplantation</i> , 2020 , 24, e13676	1.8	4
39	Review of the discard and/or refusal rate of offered donor hearts to pediatric waitlisted candidates. <i>Pediatric Transplantation</i> , 2020 , 24, e13674	1.8	3
38	Early Surgical Closure of Atrial Septal Defect Improves Clinical Status of Symptomatic Young Children with Underlying Pulmonary Abnormalities. <i>Pediatric Cardiology</i> , 2020 , 41, 1115-1124	2.1	3
37	A comprehensive strategy in donor acceptance: Impact on pediatric waitlist and heart transplant outcomes. <i>Pediatric Transplantation</i> , 2020 , 24, e13764	1.8	3
36	Review of the impact of donor characteristics on pediatric heart transplant outcomes. <i>Pediatric Transplantation</i> , 2020 , 24, e13680	1.8	3
35	Transplantation for the failed Fontan. <i>Progress in Pediatric Cardiology</i> , 2009 , 26, 21-29	0.4	3
34	Pediatric donor management to optimize donor heart utilization. <i>Pediatric Transplantation</i> , 2020 , 24, e13679	1.8	2
33	Commentary in reply to Cogswell et al.: An early investigation of outcomes with the new 2018 donor heart allocation system in the United States. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 726-728	5.8	2
32	Feasibility of real-time cine cardiac magnetic resonance imaging to predict the presence of significant retrosternal adhesions prior to redo-sternotomy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019 , 21, 67	6.9	2
31	Improving Outcomes in Children Requiring Mechanical Bridge-To-Transplantation (BTT) in the Current Era. <i>Journal of Heart and Lung Transplantation</i> , 2013 , 32, S107	5.8	2
30	Pediatric Perfusion Techniques for Complex Congenital Cardiac Surgery 2008 , 29-58		2
29	Heart Failure After Cavopulmonary Connection: Conversion to Biventricular Circulatory Support. <i>Annals of Thoracic Surgery</i> , 2021 , 112, e185-e188	2.7	2
28	A range of options for staged palliation of hypoplastic left heart syndrome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 436-7	1.5	1
27	Heart transplantation in an infant with Williams-Beuren syndrome and rapidly progressive ischemic cardiomyopathy. <i>Pediatric Transplantation</i> , 2020 , 24, e13688	1.8	1
26	Short-Term Mechanical Cardiopulmonary Support Devices 2018 , 683-697		1
25	Emergent Interhospital Transport of Pediatric Patient With a Berlin Heart Device. <i>Air Medical Journal</i> , 2016 , 35, 314-6	1	1
24	Center Donor Refusal Rate Is Associated With Worse Outcomes After Listing in Pediatric Heart Transplantation. <i>Transplantation</i> , 2021 , 105, 2080-2085	1.8	1

23	Patient and Device Selection in Pediatric MCS: A Review of Current Consensus and Unsettled Questions.. <i>Pediatric Cardiology</i> , 2022 , 1	2.1	0
22	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1320-1321	2.7	
21	Commentary: Chicken or egg: Does risk-adjustment hide the deleterious consequences of bridging to transplant with temporary devices?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	
20	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2018 , 106, 567	2.7	
19	Commentary: The end of the beginning: The evolving role of mechanical circulatory support in children with heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 1444-1445	1.5	
18	Commentary: The future fourth stage of single-ventricle palliation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 1639-1640	1.5	
17	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1441-2	2.7	
16	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2012 , 93, 1590-1	2.7	
15	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 1618-1619	2.7	
14	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 913	2.7	
13	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 1389-90	2.7	
12	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 1262-3	2.7	
11	Low Molecular Weight Heparin: An Evaluation of Current and Potential Clinical Utility in Surgery. <i>International Journal of Angiology</i> , 1999 , 8, 203-215	1.1	
10	Commentary: To vent or not, that is the question. <i>JTCVS Open</i> , 2022 ,	0.2	
9	Cardiac Surgery in the Neonate with Congenital Heart Disease 2008 , 355-375		
8	Pediatric Cardiologist and the Infant or Child before Heart Transplantation 2018 , 105-115		
7	Cardiac Support Devices and Their Use in Infants and Children in the Overall Strategy of Cardiac Transplantation 2018 , 709-727		
6	Pediatric Cardiologist and the Infant or Child before Heart Transplantation 2017 , 1-11		

- 5 Cardiac Support Devices and Their Use in Infants and Children in the Overall Strategy of Cardiac Transplantation **2018**, 1-19
- 4 Commentary: Not safe at any flow: The challenges of low-flow pediatric operation of adult continuous-flow ventricular assist devices. *Journal of Thoracic and Cardiovascular Surgery*, **2020**, 159, 1530-1531 1.5
- 3 Invited Commentary. *Annals of Thoracic Surgery*, **2020**, 110, 205-206 2.7
- 2 Commentary: Donor-Recipient Size Mismatch in Heart Transplantation: An Independent Risk Factor for Worse Outcomes or a Marker for Cofounders?. *Seminars in Thoracic and Cardiovascular Surgery*, **2021**, 1.7
- 1 Commentary: How long until a new heart is a "normal" heart in transplanted single-ventricle patients?. *Journal of Thoracic and Cardiovascular Surgery*, **2020**, 159, 1997-1998 1.5