Richard A Jonas

List of Publications by Year
in descending order

129	6,349	94433 37	66911 78
papers	citations	h-index	g-index

132	132	132	3988
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Postoperative Course and Hemodynamic Profile After the Arterial Switch Operation in Neonates and Infants. Circulation, 1995, 92, 2226-2235.	1.6	900
2	Developmental and Neurological Status of Children at 4 Years of Age After Heart Surgery With Hypothermic Circulatory Arrest or Low-Flow Cardiopulmonary Bypass. Circulation, 1999, 100, 526-532.	1.6	567
3	Adolescents With d-Transposition of the Great Arteries Corrected With the Arterial Switch Procedure. Circulation, 2011, 124, 1361-1369.	1.6	401
4	Perioperative effects of alpha-stat versus ph-stat strategies for deep hypothermic cardiopulmonary bypass in infants. Journal of Thoracic and Cardiovascular Surgery, 1997, 114, 991-1001.	0.8	280
5	Factors influencing early and late outcome of the arterial switch operation for transposition of the great arteries. Journal of Thoracic and Cardiovascular Surgery, 1995, 109, 289-302.	0.8	267
6	Transposition of the Great Arteries and Intact Ventricular Septum: Anatomical Repair in the Neonate. Annals of Thoracic Surgery, 1984, 38, 438-443.	1.3	266
7	The effect of hematocrit during hypothermic cardiopulmonary bypass in infant heart surgery: Results from the combined Boston hematocrit trials. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 355-360.	0.8	180
8	Ten-Year Institutional Experience With Palliative Surgery for Hypoplastic Left Heart Syndrome. Circulation, 1995, 92, 262-266.	1.6	169
9	Preoperative Transcatheter Closure of Congenital Muscular Ventricular Septal Defects. New England Journal of Medicine, 1991, 324, 1312-1317.	27.0	167
10	Effects of pH on brain energetics after hypothermic circulatory arrest. Annals of Thoracic Surgery, 1993, 55, 1093-1103.	1.3	162
11	High Prevalence of Respiratory Ciliary Dysfunction in Congenital Heart Disease Patients With Heterotaxy. Circulation, 2012, 125, 2232-2242.	1.6	158
12	Higher hematocrit improves cerebral outcome after deep hypothermic circulatory arrest. Journal of Thoracic and Cardiovascular Surgery, 1996, 112, 1610-1621.	0.8	151
13	Modified Fontan Procedure: Atrial Baffle and Systemic Venous to Pulmonary Artery Anastomotic Techniques. Journal of Cardiac Surgery, 1988, 3, 91-96.	0.7	150
14	Neurodevelopmental Abnormalities and Congenital Heart Disease. Circulation Research, 2017, 120, 960-977.	4.5	141
15	The Society of Thoracic Surgeons Congenital HeartÂSurgery Database Mortality Risk Model: PartÂ2â€"Clinical Application. Annals of Thoracic Surgery, 2015, 100, 1063-1070.	1.3	128
16	The results of a surgical program for interrupted aortic arch. Journal of Thoracic and Cardiovascular Surgery, 1988, 96, 864-877.	0.8	127
17	Improving results of the modified Fontan operation in patients with heterotaxy syndrome. Annals of Thoracic Surgery, 2002, 74, 1967-1978.	1.3	114
18	Cerebral oxygen supply and utilization during infant cardiac surgery. Annals of Neurology, 1995, 37, 488-497.	5.3	111

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19	Repair of the truncal valve and associated interrupted arch in neonates with truncus arteriosus. Journal of Thoracic and Cardiovascular Surgery, 2000, 119, 508-514.	0.8	104
20	Neurodevelopmental Outcome After Congenital Heart Surgery: Results From an Institutional Registry. Circulation, 2002, 106, .	1.6	104
21	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2016 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2016, 101, 850-862.	1.3	87
22	The Importance of Patient-Specific Preoperative Factors: An Analysis of The Society of Thoracic Surgeons Congenital Heart Surgery Database. Annals of Thoracic Surgery, 2014, 98, 1653-1659.	1.3	78
23	The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2017 Update on Outcomes and Quality. Annals of Thoracic Surgery, 2017, 103, 699-709.	1.3	73
24	Utility and Limitations of Near-Infrared Spectroscopy during Cardiopulmonary Bypass in a Piglet Model. Pediatric Research, 2001, 49, 770-776.	2.3	69
25	Abnormal neurogenesis and cortical growth in congenital heart disease. Science Translational Medicine, 2017, 9, .	12.4	69
26	Surgical management of complex and tunnel-like subaortic stenosisâœ©. European Journal of Cardio-thoracic Surgery, 2000, 17, 637-642.	1.4	59
27	Early Primary Repair of Tetralogy of Fallot. Pediatric Cardiac Surgery Annual, 2009, 12, 39-47.	1.2	53
28	Increased postoperative respiratory complications in heterotaxy congenital heart disease patients with respiratory ciliary dysfunction. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1291-1298.e2.	0.8	50
29	Persistent risk of subsequent procedures and mortality in patients after interrupted aortic arch repair: A Congenital Heart Surgeons' Society study. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 1059-1075.e2.	0.8	49
30	Interaction of temperature with hematocrit level and pH determines safe duration of hypothermic circulatory arrest. Journal of Thoracic and Cardiovascular Surgery, 2004, 128, 220-232.	0.8	47
31	The Intra/Extracardiac Conduit Fenestrated Fontan. Pediatric Cardiac Surgery Annual, 2011, 14, 11-18.	1.2	45
32	Cerebral tissue oxygenation index and lactate at 24 hours postoperative predict survival and neurodevelopmental outcome after neonatal cardiac surgery. Congenital Heart Disease, 2017, 12, 188-195.	0.2	45
33	White Matter Protection in Congenital Heart Surgery. Circulation, 2012, 125, 859-871.	1.6	43
34	Optimal surgical approach for repair of aortopulmonary window. Cardiology in the Young, 2001, 11, 385-390.	0.8	42
35	Deep hypothermic circulatory arrest: Current status and indications. Pediatric Cardiac Surgery Annual, 2002, 5, 76-88.	1.2	42
36	Congenital cardiac anomalies and white matter injury. Trends in Neurosciences, 2015, 38, 353-363.	8.6	41

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37	Cerebral Oxygenation Measured by Near Infrared Spectroscopy during Cardiopulmonary Bypass and Deep Hypothermic Circulatory Arrest in Piglets. Pediatric Research, 1996, 40, 790-796.	2.3	38
38	The risk of having additional obstructive lesions in neonatal coarctation of the aorta. Cardiology in the Young, 2001, 11, 44-53.	0.8	34
39	Rewards, risks, and responsibilities of globalization for the cardiothoracic surgeon. Journal of Thoracic and Cardiovascular Surgery, 2007, 134, 1-14.	0.8	32
40	Congenital Heart Surgery in Developing Countries. Pediatric Cardiac Surgery Annual, 2008, 11, 3-6.	1.2	28
41	Effect of mechanical assistance of the systemic ventricle in single ventricle circulation with cavopulmonary connection. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1271-1275.	0.8	28
42	International quality improvement initiatives. Cardiology in the Young, 2017, 27, S61-S68.	0.8	28
43	Effects of preoperative hypoxia on white matter injury associated with cardiopulmonary bypass in a rodent hypoxic and brain slice model. Pediatric Research, 2014, 75, 618-625.	2.3	27
44	Optimal Timing for Elective Early Primary Repair of Tetralogy of Fallot: Analysis of Intermediate Term Outcomes. Annals of Thoracic Surgery, 2017, 103, 845-852.	1.3	26
45	Prolonged White Matter Inflammation After Cardiopulmonary Bypass and Circulatory Arrest in a Juvenile Porcine Model. Annals of Thoracic Surgery, 2015, 100, 1030-1037.	1.3	25
46	Growth of Diminutive Central Pulmonary Arteries After Right Ventricle to Pulmonary Artery Homograft Implantation. Annals of Thoracic Surgery, 2014, 97, 2129-2133.	1.3	23
47	Development and assessment of a biodegradable solvent cast polyester fabric smallâ€diameter vascular graft. Journal of Biomedical Materials Research - Part A, 2014, 102, 1972-1981.	4.0	23
48	Echocardiographic assessment of interrupted aortic arch. Cardiology in the Young, 1999, 9, 562-571.	0.8	21
49	Surgical Management of the Neonate With Heterotaxy and Long-Term Outcomes of Heterotaxy. World Journal for Pediatric & Congenital Heart Surgery, 2011, 2, 264-274.	0.8	21
50	Early Primary Repair of Tetralogy of Fallot Does Not Lead to Increased Postoperative Resource Utilization. Annals of Thoracic Surgery, 2014, 98, 2173-2180.	1.3	20
51	Management of Interrupted Aortic Arch. Seminars in Thoracic and Cardiovascular Surgery, 2015, 27, 177-188.	0.6	20
52	Clinical neurologic and developmental studies after cardiac surgery utilizing hypothermic circulatory arrest and cardiopulmonary bypass. Cardiology in the Young, 1993, 3, 308-316.	0.8	18
53	The World Database for Pediatric and Congenital Heart Surgery: The Dawn of a New Era of Global Communication and Quality Improvement in Congenital Heart Disease. World Journal for Pediatric & Congenital Heart Surgery, 2017, 8, 597-599.	0.8	18
54	Unsatisfactory Clinical Experience with a Collagen-Sealed Knitted Dacron Extracardiac Conduit. Journal of Cardiac Surgery, 1987, 2, 257-264.	0.7	17

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55	Arterial Switch Operation for Transposition of the Great Arteries with Intact Ventricular Septum. Journal of Cardiac Surgery, 1986, 1, 97-104.	0.7	16
56	Microstructural Alterations and Oligodendrocyte Dysmaturation in White Matter After Cardiopulmonary Bypass in a Juvenile Porcine Model. Journal of the American Heart Association, 2017, 6, .	3.7	16
57	Hybrid strategy in neonates with ductal-dependent systemic circulation and multiple risk factors. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, 1291-1303.e6.	0.8	16
58	Individualized Approach to Repair of Complete Atrioventricular Canal: Selective Use of the Traditional Single-Patch Technique Versus the Australian Technique. World Journal for Pediatric & Congenital Heart Surgery, 2010, 1, 78-86.	0.8	15
59	Reconstruction of right ventricular outflow tract in neonates and infants using valved cryopreserved femoral vein homografts. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 874-879.	0.8	15
60	Impact of Different Cardiopulmonary Bypass Strategies on Renal Injury After Pediatric Heart Surgery. Annals of Thoracic Surgery, 2021, 111, 1374-1379.	1.3	15
61	Cerebral metabolic recovery from deep hypothermic circulatory arrest after treatment with arginine and nitro-arginine methyl ester. Journal of Thoracic and Cardiovascular Surgery, 1996, 112, 698-707.	0.8	14
62	Fontan or Septation: When I Abandon Septation in Complex Lesions With Two Ventricles. Pediatric Cardiac Surgery Annual, 2009, 12, 94-98.	1.2	13
63	PULMONARY VALVOTOMY UNDER NORMOTHERMIC CAVAL INFLOW OCCLUSION. ANZ Journal of Surgery, 1985, 55, 39-44.	0.7	12
64	Interrupted Aortic Arch and Aortic Atresia With Circle of Willis-Dependent Coronary Perfusion. Annals of Thoracic Surgery, 2006, 82, e11-e13.	1.3	12
65	Right ventricular outflow tract reconstruction using a valved femoral vein homograft. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 226-228.	0.8	12
66	Should Tricuspid Annuloplasty be Performed With Pulmonary Valve Replacement for Pulmonary Regurgitation in Repaired Tetralogy of Fallot?. Seminars in Thoracic and Cardiovascular Surgery, 2015, 27, 159-165.	0.6	12
67	The effect of extracorporeal life support on the brain: Cardiopulmonary bypass. Seminars in Perinatology, 2005, 29, 51-57.	2.5	11
68	Impact of Mesenchymal Stromal Cell Delivery Through Cardiopulmonary Bypass on Postnatal Neurogenesis. Annals of Thoracic Surgery, 2020, 109, 1274-1281.	1.3	11
69	Dilation of intra-atrial baffle fenestrations: Results in vivo and in vitro. Catheterization and Cardiovascular Diagnosis, 1994, 31, 73-78.	0.3	10
70	Hypoxia diminishes the protective function of white-matter astrocytes in the developing brain. Journal of Thoracic and Cardiovascular Surgery, 2016, 151, 265-272.e3.	0.8	10
71	Replacement of the left atrioventricular valve after repair of atrioventricular septal defect. Cardiology in the Young, 1991, 1, 383-389.	0.8	9
72	Congenital Aneurysm of the Aortomitral Intervalvular Fibrosa. Annals of Thoracic Surgery, 2015, 99, 314-316.	1.3	9

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73	Aortic Valve Repair for Congenital and Balloon-Induced Aortic Regurgitation. Pediatric Cardiac Surgery Annual, 2010, 13, 60-65.	1.2	8
74	Differential neuronal vulnerability varies according to specific cardiopulmonary bypass insult in a porcine survival model. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 1408-1415.e3.	0.8	8
75	Treatment With Tetrahydrobiopterin Improves White Matter Maturation in a Mouse Model for Prenatal Hypoxia in Congenital Heart Disease. Journal of the American Heart Association, 2019, 8, e012711.	3.7	8
76	Risk of tumor transmission after thoracic allograft transplantation from adult donors with central nervous system neoplasmâ€"A UNOS database study. Clinical Transplantation, 2017, 31, e12919.	1.6	7
77	Current Status of Training and Certification for Congenital Heart Surgery Around the World: Proceedings of the Meetings of the Global Council on Education for Congenital Heart Surgery of the World Society for Pediatric and Congenital Heart Surgery. World Journal for Pediatric & Congenital Heart Surgery, 2021, 12, 394-405.	0.8	7
78	Outcomes of Patients with Pulmonary Atresia and Major Aortopulmonary Collaterals Without Intervention in Infancy. Pediatric Cardiology, 2016, 37, 1380-1391.	1.3	6
79	Novel Association of miR-451 with the Incidence of TEVG Stenosis in a Murine Model. Tissue Engineering - Part A, 2016, 22, 75-82.	3.1	6
80	The many factors leading to resurgence of the Blalock shunt for tetralogy. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 396-399.	0.8	6
81	Why I Believe the Hybrid Norwood Is Inferior to the Norwood/Sano Procedure. World Journal for Pediatric & Congenital Heart Surgery, 2010, 1, 161-162.	0.8	5
82	Myocardial cytochrome oxidase activity increases with age and hypoxemia in patients with congenital heart disease. Perfusion (United Kingdom), 2017, 32, 306-312.	1.0	5
83	Pump in Parallelâ€"Mechanical Assistance of Partial Cavopulmonary Circulation Using a Conventional Ventricular Assist Device. ASAIO Journal, 2018, 64, 238-244.	1.6	5
84	Electronic Supplement of The Inaugural Meeting of The World Society for Pediatric and Congenital Heart Surgery. Cardiology in the Young, 2007, 17, 1-25.	0.8	4
85	Presidential Address: Accomplishments and Challenges Ahead for Congenital Heart Surgery. World Journal for Pediatric & Congenital Heart Surgery, 2011, 2, 202-210.	0.8	4
86	Aprotinin, but not Îµ-aminocaproic acid and tranexamic acid, exerts neuroprotection against excitotoxic injury in an in vitro neuronal cell culture model. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1939-1945.	0.8	4
87	Mechanical support of pulmonary blood flow as a strategy to support the Norwood circulation-lumped parameter model study. European Journal of Cardio-thoracic Surgery, 2022, 62, .	1.4	4
88	Should we be doing the Norwood procedure sooner?. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2188-2189.	0.8	3
89	Endocarditis and the transcatheter pulmonary valve. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 2259-2260.	0.8	3
90	Coronary Artery Complications After Three-Patch Repair of Supravalvar Aortic Stenosis: Recognition and Management. Annals of Thoracic Surgery, 2015, 99, 2256-2257.	1.3	3

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91	Invited commentary on retrospective analysis of no longer performing modified ultrafiltration after pediatric cardiopulmonary bypass. Perfusion (United Kingdom), 2017, 32, 110-111.	1.0	3
92	Impact of Cardiopulmonary Bypass on Neurogenesis and Cortical Maturation. Annals of Neurology, 2021, 90, 913-926.	5.3	3
93	A comparison of autologous pericardium with Dacronâ„¢ for closure of ventricular septal defect in infants. European Journal of Cardio-thoracic Surgery, 2022, 62, .	1.4	3
94	Use of femoral vein homograft for unifocalizing major aortopulmonary collateral arteries in a patient with pulmonaryÂatresia with ventricular septal defect. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 824-825.	0.8	2
95	Rapid Response Extracorporeal Membrane Oxygenation Deploymentâ€"Surgical Technique. World Journal for Pediatric & Congenital Heart Surgery, 2016, 7, 753-757.	0.8	2
96	Bridging together: teamwork in caring for the family touched by CHD. Cardiology in the Young, 2017, 27, 1939-1946.	0.8	2
97	Technique of circulatory arrest makes a difference. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 40-41.	0.8	2
98	Modified Yasui Operation Using Cryopreserved Femoral Vein Homograft. Annals of Thoracic Surgery, 2020, 110, e147-e149.	1.3	2
99	The evolution of surgical technique of the fenestrated Fontan procedure. Journal of Cardiac Surgery, 2020, 35, 1407-1409.	0.7	2
100	The Current Status of Neuroprotection in Congenital Heart Disease. Children, 2021, 8, 1116.	1.5	2
101	Lasso or BART: Both Miss the Point. Annals of Thoracic Surgery, 2022, 114, 798-799.	1.3	2
102	Advantages of Early Primary Repair of Congenital Heart Disease. World Journal for Pediatric & Congenital Heart Surgery, 2010, 1, 407-410.	0.8	1
103	Editorial Comment: Re: The neoaortic root in children with transposition of the great arteries after an arterial switch operation. European Journal of Cardio-thoracic Surgery, 2013, 43, 1108-1109.	1.4	1
104	Invited Commentary. World Journal for Pediatric & Congenital Heart Surgery, 2015, 6, 203-204.	0.8	1
105	Does exposure to inhalational anesthesia early in life cause brain damage?. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 490.	0.8	1
106	Application of a neuroscience research model to study neuroprotection in children with congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 2281-2282.	0.8	1
107	The World Database for Pediatric and Congenital Heart Surgery â€œA Call to Service for North American Congenital Heart Surgery Programsâ€• Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 230-233.	0.6	1
108	Challenges for Adult Survivors of Simple Congenital Heart Disease. Journal of the American Heart Association, 2020, 9, e017210.	3.7	1

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109	Acute endocarditis of a percutaneously placed pulmonary valve. Annals of Pediatric Cardiology, 2015, 8, 225.	0.5	1
110	La base de datos mundial de cirugÃa cardÃaca pediÃ¡trica y congÃ©nita: una colaboraciÃ³n con el Registro Nacional de CirugÃa CardÃaca PediÃ¡trica (RENACCAPE). Archivos De Cardiologia De Mexico, 2019, 89, 112-116.	0.2	1
111	The world database for pediatric and congenital heart surgery: A collaboration with the Registro Nacional de CirugÃa Cardiaca PediÃ¡trica. Archivos De Cardiologï¿½a De Mï¿½xico (English Ed Internet), 2019, 89, 100-104.	0.0	1
112	Supravalvar aortic stenosis due to organizing thrombus in an asymptomatic child. Cardiology in the Young, 1997, 7, 232-234.	0.8	0
113	Invited Commentary. Annals of Thoracic Surgery, 2009, 88, 593.	1.3	0
114	Advances in Cardiopulmonary Bypass and Extracorporeal Membrane Oxygenation for the Neonate and Infant. World Journal for Pediatric & Congenital Heart Surgery, 2010, 1, 217-225.	0.8	0
115	The Politics of Intraoperative Transesophageal Echocardiography. World Journal for Pediatric & Congenital Heart Surgery, 2014, 5, 352-354.	0.8	0
116	Invited Commentary. Annals of Thoracic Surgery, 2014, 97, 1677.	1.3	0
117	ISDN2014_0155: Prenatal/preoperative hypoxia diminishes the protective function of white matter astrocytes. International Journal of Developmental Neuroscience, 2015, 47, 45-46.	1.6	0
118	Anomalies of Ventriculoarterial Connections and Immature Brain Development. World Journal for Pediatric & Congenital Heart Surgery, 2016, 7, 611-613.	0.8	0
119	The risk of overzealous application of hybrid strategies for patients with biventricular cardiac anomalies. Journal of Cardiac Surgery, 2018, 33, 402-402.	0.7	0
120	Early mortality is inherently inaccurate as a quality marker for congenital heart surgery. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1197.	0.8	0
121	Commentary: Developmental delay and congenital heart disease: Insights from a novel â€œartificial wombâ€•model. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1992-1993.	0.8	0
122	Commentary: Near-infrared technology continues to evolve, but the holy grail remains elusive. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2026-2027.	0.8	0
123	Commentary: Nitric oxide: An important contributor to neuroprotection during pediatric cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, e499-e500.	0.8	0
124	A new management algorithm for the two stage arterial switch. Annals of Thoracic Surgery, 2021, , .	1.3	0
125	Surgical experience makes a difference: but what is surgical experience?. European Journal of Cardio-thoracic Surgery, 2021, 60, 113-114.	1.4	0
126	The evolution of cardiac care for children in Washington, DC. Cardiology in the Young, 2021, 31, 1220-1227.	0.8	0

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127	Evolution of the Fontan Procedure: Early and Late Results.. Japanese Journal of Cardiovascular Surgery, 2000, 29, 221-224.	0.0	0
128	Monitoring and Protection of the Infant Brain during Cardiac Surgery.. Japanese Journal of Cardiovascular Surgery, 1999, 28, 221-231.	0.0	0
129	LV outflow obstruction after repair of atrioventricular septal defect: an uncommon but challenging problem. Interactive Cardiovascular and Thoracic Surgery, 2022, 34, 611-612.	1.1	0