Steven M Schwartz

List of Publications by Citations

95 papers	2,814 citations	27 h-index	50 g-index
113 ext. papers	3,439 ext. citations	3.5 avg, IF	4.45 L-index

#	Paper	IF	Citations
95	Interstage mortality after the Norwood procedure: Results of the multicenter Single Ventricle Reconstruction trial. *Journal of Thoracic and Cardiovascular Surgery*, **2012**, 144, 896-906	1.5	225
94	Severe left ventricular hypertrophy in pediatric dialysis: prevalence and predictors. *Pediatric Nephrology*, **2000**, 14, 898-902	3.2	182
93	Brain magnetic resonance imaging abnormalities after the Norwood procedure using regional cerebral perfusion. *Journal of Thoracic and Cardiovascular Surgery*, **2006**, 131, 190-7	1.5	180
92	Combined steroid treatment for congenital heart surgery improves oxygen delivery and reduces postbypass inflammatory mediator expression. *Circulation*, **2003**, 107, 2823-8	16.7	137
91	Risk, clinical features, and outcomes of thrombosis associated with pediatric cardiac surgery. *Circulation*, **2011**, 124, 1511-9	16.7	116
90	Usefulness of corticosteroid therapy in decreasing epinephrine requirements in critically ill infants with congenital heart disease. *American Journal of Cardiology*, **2001**, 88, 591-4	3	116
89	Evaluation of left ventricular mass in children with left-sided congenital diaphragmatic hernia. *Journal of Pediatrics*, **1994**, 125, 447-51	3.6	94
88	Brain magnetic resonance imaging abnormalities after the Norwood procedure using regional cerebral perfusion. *Journal of Thoracic and Cardiovascular Surgery*, **2005**, 130, 1523-30	1.5	90
87	Changes in left ventricular mass in children and adolescents during chronic dialysis. *Pediatric Nephrology*, **2001**, 16, 318-23	3.2	88
86	Collaborative quality improvement in the cardiac intensive care unit: development of the Paediatric Cardiac Critical Care Consortium (PC4). *Cardiology in the Young*, **2015**, 25, 951-7	1	77
85	Consensus Recommendations for RBC Transfusion Practice in Critically Ill Children From the Pediatric Critical Care Transfusion and Anemia Expertise Initiative. *Pediatric Critical Care Medicine*, **2018**, 19, 884-898	3	72
84	Unrecognized pulmonary venous desaturation early after Norwood palliation confounds Gp:Gs assessment and compromises oxygen delivery. *Circulation*, **2001**, 103, 2699-704	16.7	63
83	First-stage palliation for hypoplastic left heart syndrome in the twenty-first century. *Annals of Thoracic Surgery*, **2002**, 73, 331-9; discussion 339-40	2.7	63
82	Changes in left ventricular mass index in children and adolescents after renal transplantation. *Pediatric Transplantation*, **2001**, 5, 279-84	1.8	61
81	Thrombotic complications and thromboprophylaxis across all three stages of single ventricle heart palliation. *Journal of Pediatrics*, **2012**, 161, 513-519.e3	3.6	59
80	Critical aortic stenosis in the neonate. A comparison of balloon valvuloplasty and transventricular dilation. *Journal of Thoracic and Cardiovascular Surgery*, **1995**, 109, 147-54	1.5	58
79	Clinical Epidemiology of Extubation Failure in the Pediatric Cardiac ICU: A Report From the Pediatric Cardiac Critical Care Consortium. *Pediatric Critical Care Medicine*, **2015**, 16, 837-45	3	53

78	Glucocorticoids reduce ischemia-reperfusion-induced myocardial apoptosis in immature hearts. *Annals of Thoracic Surgery*, **2002**, 74, 830-6; discussion 836-7	2.7	46
77	Remote ischemic preconditioning in children undergoing cardiac surgery with cardiopulmonary bypass: a single-center double-blinded randomized trial. *Journal of the American Heart Association*, **2014**, 3,	6	44
76	Point prevalence survey of antimicrobial utilization in the cardiac and pediatric critical care unit. *Pediatric Critical Care Medicine*, **2013**, 14, e280-8	3	44
75	Improved outcomes associated with intraoperative steroid use in high-risk pediatric cardiac surgery. *Annals of Thoracic Surgery*, **2011**, 91, 1222-7	2.7	43
74	Longer blood storage is associated with suboptimal outcomes in high-risk pediatric cardiac surgery. *Annals of Thoracic Surgery*, **2012**, 93, 1563-9	2.7	42
73	Cellular and molecular aspects of myocardial dysfunction. *Critical Care Medicine*, **2001**, 29, S214-9	1.4	40
72	The global burden of paediatric heart disease. *Cardiology in the Young*, **2017**, 27, S3-S8	1	35
71	Hyperglycemia after pediatric cardiac surgery: impact of age and residual lesions. *Critical Care Medicine*, **2011**, 39, 266-72	1.4	32
70	Calpain inhibition decreases endothelin-1 levels and pulmonary hypertension after cardiopulmonary bypass with deep hypothermic circulatory arrest. *Critical Care Medicine*, **2005**, 33, 623-8	1.4	30
69	Glucocorticoids reduce cardiac dysfunction after cardiopulmonary bypass and circulatory arrest in neonatal piglets. *Pediatric Critical Care Medicine*, **2004**, 5, 28-34	3	28
68	Glucocorticoids preserve calpastatin and troponin I during cardiopulmonary bypass in immature pigs. *Pediatric Research*, **2003**, 54, 91-7	3.2	26
67	Collagen content in normal, pressure, and pressure-volume overloaded developing human hearts. *American Journal of Cardiology*, **1996**, 77, 734-8	3	26
66	Report of the National Heart, Lung, and Blood Institute Working Group: An Integrated Network for Congenital Heart Disease Research. *Circulation*, **2016**, 133, 1410-8	16.7	26
65	Efficacy of Evolving Early-Extubation Strategy on Early Postoperative Functional Recovery in Pediatric Open-Heart Surgery: A Matched Case-Control Study. *Seminars in Cardiothoracic and Vascular Anesthesia*, **2014**, 18, 290-6	1.4	25
64	Risk factors for prolonged length of stay after the stage 2 procedure in the single-ventricle reconstruction trial. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 147, 1791-8, 1798.e1-4	1.5	25
63	Recommendations on RBC Transfusion in Infants and Children With Acquired and Congenital Heart Disease From the Pediatric Critical Care Transfusion and Anemia Expertise Initiative. *Pediatric Critical Care Medicine*, **2018**, 19, S137-S148	3	25
62	Extracorporeal Cardiopulmonary Resuscitation: One-Year Survival and Neurobehavioral Outcome Among Infants and Children With In-Hospital Cardiac Arrest. *Critical Care Medicine*, **2019**, 47, 393-402	1.4	22
61	Contemporary Outcomes and Factors Associated With Mortality After a Fetal or Neonatal Diagnosis of Ebstein Anomaly and Tricuspid Valve Disease. *Canadian Journal of Cardiology*, **2016**, 32, 1500-1506	3.8	21

60	Improvement in Pediatric Cardiac Surgical Outcomes Through Interhospital Collaboration. *Journal of the American College of Cardiology*, **2019**, 74, 2786-2795	15.1	21
59	Preoperative glucocorticoids decrease pulmonary hypertension in piglets after cardiopulmonary bypass and circulatory arrest. *Annals of Thoracic Surgery*, **2004**, 77, 994-1000	2.7	20
58	Insulin resistance and inflammation are a cause of hyperglycemia after pediatric cardiopulmonary bypass surgery. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 498-504.e1	1.5	18
57	Supplemental inhaled gases alter tidal volume delivery and measurement. *Pediatric Critical Care Medicine*, **2005**, 6, 150-3	3	18
56	ACCF/AHA/AAP recommendations for training in pediatric cardiology. A report of the American College of Cardiology Foundation/American Heart Association/American College of Physicians Task Force on Clinical Competence (ACC/AHA/AAP Writing Committee to Develop Training Recommendations for Pediatric Cardiology). *Circulation*, **2005**, 112, 2555-80	16.7	18
55	Systemic inflammation increases energy expenditure following pediatric cardiopulmonary bypass. *Pediatric Critical Care Medicine*, **2015**, 16, 343-51	3	17
54	Single-ventricle physiology. *Critical Care Clinics*, **2003**, 19, 393-411	4.5	17
53	ACC/AHA/AAP recommendations for training in pediatric cardiology. *Pediatrics*, **2005**, 116, 1574-96	7.4	17
52	Management and Outcomes of Patients with Occlusive Thrombosis after Pediatric Cardiac Surgery. *Journal of Pediatrics*, **2016**, 169, 146-53	3.6	16
51	A randomized clinical trial of age and genotype-guided tacrolimus dosing after pediatric solid organ transplantation. *Pediatric Transplantation*, **2018**, 22, e13285	1.8	16
50	Impact of prenatal diagnosis on the management and early outcome of critical duct-dependent cardiac lesions. *Cardiology in the Young*, **2018**, 28, 548-553	1	15
49	National Aeronautics and Space Administration "threat and error" model applied to pediatric cardiac surgery: error cycles precede ~85% of patient deaths. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 149, 496-505; discussion 505-7	1.5	14
48	Epidemiology of Noninvasive Ventilation in Pediatric Cardiac ICUs. *Pediatric Critical Care Medicine*, **2017**, 18, 949-957	3	14
47	Oral triiodothyronine normalizes triiodothyronine levels after surgery for pediatric congenital heart disease*. *Pediatric Critical Care Medicine*, **2013**, 14, 701-8	3	14
46	Neonatal physiology of the functionally univentricular heart. *Cardiology in the Young*, **2004**, 14 Suppl 1, 52-60	1	14
45	The Pediatric Heart Network Residual Lesion Score Study: Design and objectives. *Journal of Thoracic and Cardiovascular Surgery*, **2020**, 160, 218-223.e1	1.5	14
44	Medical errors: the performance gap in hypoplastic left heart syndrome and physiologic equivalents?. *Journal of Thoracic and Cardiovascular Surgery*, **2013**, 145, 1465-73; discussion 1473-5	1.5	13
43	Heparin-induced thrombocytopenia complicating support by the Berlin Heart. *ASAIO Journal*, **2005**, 51, 820-5	3.6	13

42	Nutrition and Mesenteric Issues in Pediatric Cardiac Critical Care. *Pediatric Critical Care Medicine*, **2016**, 17, S243-9	3	13
41	ACCF/AHA/AAP recommendations for training in pediatric cardiology. Task force 5: requirements for pediatric cardiac critical care. *Journal of the American College of Cardiology*, **2005**, 46, 1396-9	15.1	12
40	Thrombotic occlusion of the main stem of the left coronary artery in a neonate. *Cardiology in the Young*, **1999**, 9, 189-91	1	12
39	Duration of Postoperative Mechanical Ventilation as a Quality Metric for Pediatric Cardiac Surgical Programs. *Annals of Thoracic Surgery*, **2018**, 105, 615-621	2.7	11
38	Nutrition Considerations in the Pediatric Cardiac Intensive Care Unit Patient. *World Journal for Pediatric & Congenital Heart Surgery*, **2018**, 9, 333-343	1.1	10
37	Outcomes in Patients with Persistent Ventricular Dysfunction After Stage I Palliation for Hypoplastic Left Heart Syndrome. *Pediatric Cardiology*, **2016**, 37, 239-47	2.1	10
36	Prenatal Diagnosis of Transposition of the Great Arteries Reduces Postnatal Mortality: A Population-Based Study. *Canadian Journal of Cardiology*, **2020**, 36, 1592-1597	3.8	8
35	Variation in care for infants undergoing the Stage II palliation for hypoplastic left heart syndrome. *Cardiology in the Young*, **2018**, 28, 1109-1115	1	8
34	Dose derivation of once-daily dosing guidelines for gentamicin in critically ill pediatric patients. *Therapeutic Drug Monitoring*, **2014**, 36, 288-94	3.2	8
33	Extracorporeal Membrane Oxygenation (ECMO) Support in Special Patient Populations-The Bidirectional Glenn and Fontan Circulations. *Frontiers in Pediatrics*, **2018**, 6, 299	3.4	8
32	Predictive value of bronchoscopy after infant cardiac surgery: a prospective study. *Intensive Care Medicine*, **2012**, 38, 1851-7	14.5	7
31	The Impact of the Left Ventricle on Right Ventricular Function and Clinical Outcomes in Infants with Single-Right Ventricle Anomalies up to 14 Months of Age. *Journal of the American Society of Echocardiography*, **2018**, 31, 1151-1157	5.8	7
30	Pediatric Cardiac Intensive Care Society 2014 Consensus Statement: Pharmacotherapies in Cardiac Critical Care Treatment of Acute Heart Failure. *Pediatric Critical Care Medicine*, **2016**, 17, S16-9	3	6
29	Understanding Chest Pain: What Every Psychologist Should Know. *Journal of Clinical Psychology in Medical Settings*, **1999**, 6, 333-351	2	6
28	Intensivist-Led Team Approach to Critical Care of Children With Heart Disease: In Reply. *Pediatrics*, **2006**, 117, 1856-1857	7.4	5
27	Feeding May Modulate the Relationship Between Systemic Inflammation, Insulin Resistance, and Poor Outcome Following Cardiopulmonary Bypass for Pediatric Cardiac Surgery. *Journal of Parenteral and Enteral Nutrition*, **2020**, 44, 308-317	4.2	5
26	Can Vco-Based Estimates of Resting Energy Expenditure Replace the Need for Indirect Calorimetry in Critically Ill Children?. *Journal of Parenteral and Enteral Nutrition*, **2017**, 41, 619-624	4.2	4
25	NASA Model of "Threat and Error" in Pediatric Cardiac Surgery: Patterns of Error Chains. *Annals of Thoracic Surgery*, **2017**, 103, 1300-1307	2.7	4

24	Hemodynamic effects of sustained postoperative cardiac resynchronization therapy in infants after repair of congenital heart disease: Results of a randomized clinical trial. *Heart Rhythm*, **2017**, 14, 240-247	6.7	4
23	Medical cardiovascular support in acute viral myocarditis in children. *Pediatric Critical Care Medicine*, **2006**, 7, S12-S16	3	4
22	Impact of Major Residual Lesions on Outcomes After Surgery for Congenital Heart Disease. *Journal of the American College of Cardiology*, **2021**, 77, 2382-2394	15.1	4
21	Endocrinologic Diseases in Pediatric Cardiac Intensive Care. *Pediatric Critical Care Medicine*, **2016**, 17, S296-301	3	4
20	Development of an international standard set of clinical and patient-reported outcomes for children and adults with congenital heart disease: a report from the International Consortium for Health Outcomes Measurement Congenital Heart Disease Working Group. *European Heart Journal Quality of Care & Clinical Outcomes*, **2021**, 7, 354-365	4.6	4
19	Education and Training in Pediatric Cardiac Critical Care: International Perspectives. *World Journal for Pediatric & Congenital Heart Surgery*, **2019**, 10, 769-777	1.1	3
18	Pharmacological Manipulation of Peripheral Vascular Resistance in Single Ventricle Patients (Stages I, II, and III of Palliation). *Current Vascular Pharmacology*, **2016**, 14, 58-62	3.3	3
17	Endocrinopathies in the cardiac ICU. *World Journal for Pediatric & Congenital Heart Surgery*, **2011**, 2, 400-10	1.1	3
16	Lipid levels and emotional distress among healthy male college students. *Stress and Health*, **1999**, 15, 159-165		3
15	Rapid Advancement in Enteral Nutrition Does Not Affect Systemic Inflammation and Insulin Homeostasis Following Pediatric Cardiopulmonary Bypass Surgery. *Pediatric Critical Care Medicine*, **2020**, 21, e441-e448	3	2
14	Medical and nursing care of the child on mechanical circulatory support. *Pediatric Critical Care Medicine*, **2013**, 14, S43-50	3	2
13	Acute Right Ventricular Failure **2009**, 213-219		2
12	Standardisation of management after Norwood operation has not improved 1-year outcomes. *Cardiology in the Young*, **2021**, 31, 105-113	1	2
11	Structure and Function of the Heart **2011**, 199-216		1
10	Postoperative Care of the Pediatric Cardiac Surgical Patient **2009**, 1-13		1
9	Can We Still Improve Survival Outcomes of Neonatal Biventricular Repairs?. *Annals of Thoracic Surgery*, **2021**, 111, 199-205	2.7	1
8	Single Ventricle Lesions **2014**, 397-415		1
7	Prelisting predictions of early postoperative survival in infant heart transplantation using classification and regression tree analysis. *Pediatric Transplantation*, **2018**, 22, e13105	1.8	0

List of Publications

6	Blood Pressure in Critically Ill Children: Exploratory Analyses of Concurrent Invasive and Noninvasive Measurements. **2021**, 3, e0586	0
5	Single-Ventricle Lesions **2009**, 1-10	
4	Distribution and Clinical Signs of Venous, Arterial and Intracardiac Clots After Pediatric Cardiac Surgery.. *Blood*, **2009**, 114, 3992-3992	2.2
3	Developing Techniques: The Future of Monitoring **2014**, 901-914	
2	Peri-operative Care of the Child with Congenital Heart Disease **2014**, 329-351	
1	Commentary: Why the Y-graft?. *Journal of Thoracic and Cardiovascular Surgery*, **2020**, 159, 665-666	1.5