

David M Hoganson

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

926
citations

687363

13
h-index

454955

30
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44
all docs

44
docs citations

44
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycobacterium chimaera Outbreak Management and Outcomes at a Large Pediatric Cardiac Surgery Center. <i>Annals of Thoracic Surgery</i> , 2022, 114, 552-559.	1.3	4
2	Intraoperative conduction mapping in complex congenital heart surgery. <i>JTCVS Techniques</i> , 2022, 12, 159-163.	0.4	7
3	Technical Performance Score: A Predictor of Outcomes After the Norwood Procedure. <i>Annals of Thoracic Surgery</i> , 2021, 112, 1290-1297.	1.3	14
4	A Tribute to Ajit Yoganathan's Cardiovascular Fluid Mechanics Lab: A Survey of Its Contributions to Our Understanding of the Physiology and Management of Single-Ventricle Patients. <i>Cardiovascular Engineering and Technology</i> , 2021, , 1.	1.6	2
5	Patch augmentation of small ascending aorta during stage I procedure reduces the risk of morbidity and mortality. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, , .	1.4	3
6	The Role of Elevated Wall Shear Stress in Progression of Pulmonary Vein Stenosis: Evidence from Two Case Studies. <i>Children</i> , 2021, 8, 729.	1.5	5
7	Hybrid Left Heart Bypass Circuit for Repair of the Descending Aorta in an 8-kg Williams Syndrome Patient. <i>Journal of Extra-Corporeal Technology</i> , 2021, 53, 186-192.	0.4	0
8	Mitochondrial transplantation for myocardial protection in ex-situ perfused hearts donated after circulatory death. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 1279-1288.	0.6	30
9	CFD Evaluation of Blood Flow in an Improved Blalock-Taussig Shunt Using Patient Specific Geometries. , 2020, , .		1
10	A Multi-Mode System for Myocardial Functional and Physiological Assessment during Ex Situ Heart Perfusion. <i>Journal of Extra-Corporeal Technology</i> , 2020, 52, 303-313.	0.4	0
11	Decellularized extracellular matrix microparticles seeded with bone marrow mesenchymal stromal cells for the treatment of full-thickness cutaneous wounds. <i>Journal of Biomaterials Applications</i> , 2019, 33, 1070-1079.	2.4	9
12	Mechanical Properties of Autologous Pericardium Change With Fixation Time: Implications for Valve Reconstruction. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 852-854.	0.6	12
13	Pathology of valved venous homografts used as right ventricle-to-pulmonary artery conduits in congenital heart disease surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 342-350.e3.	0.8	8
14	Type B Interrupted Right Aortic Arch: Diagnostic and Surgical Approaches. <i>Annals of Thoracic Surgery</i> , 2019, 107, e41-e43.	1.3	3
15	Three-Patch Aortic Root Reconstruction With Extended Left Main Coronary Artery Patch Augmentation in Neonates and Infants. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 99-101.	0.6	6
16	Numerical Simulation and Optimization of Blalock-Taussig Shunt. , 2019, , .		1
17	Comparison of two pediatric cases requiring the use of bivalirudin during cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 2018, 33, 525-532.	1.0	6
18	Flow Preservation of Umbilical Vein for Autologous Shunt and Cardiovascular Reconstruction. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1809-1818.	1.3	3

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19	Impact of a Composite Valved RV-PA Graft After Stage 1 Palliation. <i>Annals of Thoracic Surgery</i> , 2018, 106, 1452-1459.	1.3	8
20	Physiologic effects of delayed sternal closure following stage 1 palliation. <i>Cardiology in the Young</i> , 2018, 28, 1393-1403.	0.8	5
21	Commentary on Tissue-engineered Solutions For Intracardiac Septal Defects. <i>Annals of Surgery</i> , 2017, 265, e13.	4.2	0
22	Recommendations for utilization of the paracorporeal lung assist device in neonates and young children with pulmonary hypertension. <i>Pediatric Transplantation</i> , 2016, 20, 256-270.	1.0	12
23	Decellularized extracellular matrix microparticles as a vehicle for cellular delivery in a model of anastomosis healing. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 1728-1735.	4.0	8
24	A bilayer small diameter <i>in vitro</i> vascular model for evaluation of drug induced vascular injury. <i>Biomicrofluidics</i> , 2016, 10, 054116.	2.4	5
25	Rapid isolation of bone marrow mesenchymal stromal cells using integrated centrifuge-based technology. <i>Cytotherapy</i> , 2016, 18, 729-739.	0.7	15
26	Gas Transfer in Cellularized Collagen-Membrane Gas Exchange Devices. <i>Tissue Engineering - Part A</i> , 2015, 21, 2147-2155.	3.1	14
27	The Surgical Prebrief as Part of a Five-Point Comprehensive Approach to Improving Pediatric Cardiac Surgical Team Communication. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2014, 5, 640-642.	0.8	3
28	Paracorporeal lung assist devices as a bridge to recovery or lung transplantation in neonates and young children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 420-427.	0.8	72
29	Three-dimensional scaffolds of acellular human and porcine lungs for high throughput studies of lung disease and regeneration. <i>Biomaterials</i> , 2014, 35, 2664-2679.	11.4	137
30	Lung tissue engineering. <i>Frontiers in Bioscience - Landmark</i> , 2014, 19, 1227.	3.0	12
31	Neonatal Paracorporeal Lung Assist Device for Respiratory Failure. <i>Annals of Thoracic Surgery</i> , 2013, 95, 692-694.	1.3	18
32	Impact of Tissue Engineering in Pediatric Surgery. , 2012, , 27-35.		0
33	Solvent-free surface modification by initiated chemical vapor deposition to render plasma bonding capabilities to surfaces. <i>Microfluidics and Nanofluidics</i> , 2012, 12, 835-839.	2.2	7
34	Lung assist device technology with physiologic blood flow developed on a tissue engineered scaffold platform. <i>Lab on A Chip</i> , 2011, 11, 700-707.	6.0	72
35	Ultra-thin, gas permeable free-standing and composite membranes for microfluidic lung assist devices. <i>Biomaterials</i> , 2011, 32, 3883-3889.	11.4	46
36	Influence of Vascular Network Design on Gas Transfer in Lung Assist Device Technology. <i>ASAIO Journal</i> , 2011, 57, 533-538.	1.6	8

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37	Branched vascular network architecture: A new approach to lung assist device technology. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 990-995.	0.8	39
38	The retention of extracellular matrix proteins and angiogenic and mitogenic cytokines in a decellularized porcine dermis. Biomaterials, 2010, 31, 6730-6737.	11.4	102
39	Preserved extracellular matrix components and retained biological activity in decellularized porcine mesothelium. Biomaterials, 2010, 31, 6934-6940.	11.4	77
40	Principles of Biomimetic Vascular Network Design Applied to a Tissue-Engineered Liver Scaffold. Tissue Engineering - Part A, 2010, 16, 1469-1477.	3.1	49
41	Poly(glycerol sebacate) films prevent postoperative adhesions and allow laparoscopic placement. Surgery, 2009, 146, 490-497.	1.9	22
42	Tissue Engineering and Organ Structure: A Vascularized Approach to Liver and Lung. Pediatric Research, 2008, 63, 520-526.	2.3	71
43	Use of an Apical Heart Suction Device for Exposure in Lung Transplantation. Annals of Thoracic Surgery, 2006, 81, 1524-1525.	1.3	10