

Justin Ryan

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

983
citations

516710

16
h-index

501196

28
g-index

35
all docs

35
docs citations

35
times ranked

1297
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiological Society of North America (RSNA) 3D printing Special Interest Group (SIG): guidelines for medical 3D printing and appropriateness for clinical scenarios. <i>3D Printing in Medicine</i> , 2018, 4, 11.	3.1	187
2	Cerebral Aneurysm Clipping Surgery Simulation Using Patient-Specific 3D Printing and Silicone Casting. <i>World Neurosurgery</i> , 2016, 88, 175-181.	1.3	105
3	Virtual and augmented reality for biomedical applications. <i>Cell Reports Medicine</i> , 2021, 2, 100348.	6.5	99
4	Ventriculostomy Simulation Using Patient-Specific Ventricular Anatomy, 3D Printing, and Hydrogel Casting. <i>World Neurosurgery</i> , 2015, 84, 1333-1339.	1.3	68
5	Influence of stent configuration on cerebral aneurysm fluid dynamics. <i>Journal of Biomechanics</i> , 2012, 45, 440-447.	2.1	61
6	A Novel Approach to Neonatal Management of Tetralogy of Fallot, With Pulmonary Atresia, and Multiple Aortopulmonary Collaterals. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 103-104.	5.3	57
7	Flow diverter effect on cerebral aneurysm hemodynamics: an in vitro comparison of telescoping stents and the Pipeline. <i>Neuroradiology</i> , 2013, 55, 751-758.	2.2	50
8	A guideline for 3D printing terminology in biomedical research utilizing ISO/ASTM standards. <i>3D Printing in Medicine</i> , 2021, 7, 8.	3.1	48
9	3D printing for congenital heart disease: a single site's initial three-year experience. <i>3D Printing in Medicine</i> , 2018, 4, 10.	3.1	39
10	Total artificial heart in the pediatric patient with biventricular heart failure. <i>Perfusion (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382</i>	1.0	34
11	Color-coded patient-specific physical models of congenital heart disease. <i>Rapid Prototyping Journal</i> , 2014, 20, 336-343.	3.2	28
12	Alternative methods for virtual heart transplant—Size matching for pediatric heart transplantation with and without donor medical images available. <i>Pediatric Transplantation</i> , 2018, 22, e13290.	1.0	28
13	The role of 3D printing in pediatric airway obstruction: A systematic review. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 132, 109923.	1.0	27
14	Accelerating massively parallel hemodynamic models of coarctation of the aorta using neural networks. <i>Scientific Reports</i> , 2020, 10, 9508.	3.3	25
15	Computational Fluid Dynamics to Evaluate the Management of a Giant Internal Carotid Artery Aneurysm. <i>World Neurosurgery</i> , 2015, 83, 1057-1065.	1.3	22
16	The role of bioresorbable intraluminal airway stents in pediatric tracheobronchial obstruction: A systematic review. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2020, 139, 110405.	1.0	21
17	Hemodynamic Characterization of Geometric Cerebral Aneurysm Templates Treated With Embolic Coils. <i>Journal of Biomechanical Engineering</i> , 2016, 138, 021011.	1.3	17
18	Does the degree of coarctation of the aorta influence wall shear stress focal heterogeneity?. , 2016, 2016, 3429-3432.		12

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19	Comparison Among Different High Porosity Stent Configurations: Hemodynamic Effects of Treatment in a Large Cerebral Aneurysm. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 021013.	1.3	10
20	Clinical situations for which 3D printing is considered an appropriate representation or extension of data contained in a medical imaging examination: adult cardiac conditions. <i>3D Printing in Medicine</i> , 2020, 6, 24.	3.1	9
21	Hepatic Vein Incorporation Into the Azygos System in Heterotaxy and Interrupted Inferior Vena Cava. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2019, 10, 330-337.	0.8	8
22	Hemodynamic characterization of geometric cerebral aneurysm templates. <i>Journal of Biomechanics</i> , 2016, 49, 2118-2126.	2.1	7
23	Alternative Access in Congenital Heart Disease. <i>JACC: Case Reports</i> , 2020, 2, 1734-1735.	0.6	4
24	Bronchus compression relieved by patent ductus arteriosus stenting. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, 1434-1438.	1.7	4
25	A Posterior Rotational Flap Technique Using Distraction Osteogenesis for Unilateral Lambdoid Craniosynostosis. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 1365-1369.	0.7	4
26	Three-dimensional printing. <i>Current Opinion in Cardiology</i> , 2017, 32, 86-92.	1.8	3
27	Orbital Volumetric Analysis in Patients With Unicoronal Craniosynostosis. <i>Annals of Plastic Surgery</i> , 2021, 86, S367-S373.	0.9	2
28	Neonatal Myocardial Infarction: A Proposed Algorithm for Coronary Arterial Thrombus Management. <i>Circulation: Cardiovascular Interventions</i> , 2022, 15, 101161CIRCINTERVENTIONS121011664.	3.9	2
29	The usefulness of incorporating three-dimensional heart models during cardiology consultations in the Neonatal Intensive Care Unit. <i>Journal of Neonatal Nursing</i> , 2019, 25, 9-13.	0.7	1
30	Repair of Anomalous Single Coronary Artery From the Pulmonary Artery (ASCAPA). <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2022, 13, 511-514.	0.8	1
31	Integration of Hybrid and Single Ventricle Rehabilitation Techniques to Treat a Neonate After Iatrogenic Mitral Injury. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2016, 7, 498-501.	0.8	0
32	Double Choker: Double Aortic Arch with Bilateral Aortic Coarctation Associated with Heterotaxy-Asplenia Syndrome and Complex Atrioventricular Canal Defect. <i>Case</i> , 2020, 4, 142-145.	0.3	0
33	Proximal Femur Osteotomy Guided with Patient-Specific 3D Print Technology. <i>JBJS Case Connector</i> , 2021, 11, .	0.3	0
34	Tetralogy of Fallot with Major Aortopulmonary Collateral Arteries. , 2017, , 69-80.		0