

Daniel J Licht

List of Publications by Year in descending order

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192
papers

7,502
citations

47006

47
h-index

62596

80
g-index

197
all docs

197
docs citations

197
times ranked

6884
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain maturation is delayed in infants with complex congenital heart defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 529-537.	0.8	532
2	Preoperative cerebral blood flow is diminished in neonates with severe congenital heart defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 128, 841-849.	0.8	274
3	Reference Range for Cerebrospinal Fluid Opening Pressure in Children. <i>New England Journal of Medicine</i> , 2010, 363, 891-893.	27.0	243
4	Standards for Studies of Neurological Prognostication in Comatose Survivors of Cardiac Arrest: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2019, 140, e517-e542.	1.6	234
5	Preoperative Brain Injury in Transposition of the Great Arteries Is Associated With Oxygenation and Time to Surgery, Not Balloon Atrial Septostomy. <i>Circulation</i> , 2009, 119, 709-716.	1.6	230
6	Pediatric perfusion imaging using pulsed arterial spin labeling. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 404-413.	3.4	216
7	Mimics of Childhood Stroke: Characteristics of a Prospective Cohort. <i>Pediatrics</i> , 2006, 118, 704-709.	2.1	203
8	Neurodevelopmental Outcomes in Children With Congenital Heart Disease—What Can We Impact?. <i>Pediatric Critical Care Medicine</i> , 2016, 17, S232-S242.	0.5	169
9	Cerebral Oxygen Metabolism in Neonates with Congenital Heart Disease Quantified by MRI and Optics. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 380-388.	4.3	161
10	Cerebral hemodynamics in preterm infants during positional intervention measured with diffuse correlation spectroscopy and transcranial Doppler ultrasound. <i>Optics Express</i> , 2009, 17, 12571.	3.4	159
11	Neurological and Neuromuscular Disease as a Risk Factor for Respiratory Failure in Children Hospitalized With Influenza Infection. <i>JAMA - Journal of the American Medical Association</i> , 2005, 294, 2188.	7.4	157
12	Optical measurement of cerebral hemodynamics and oxygen metabolism in neonates with congenital heart defects. <i>Journal of Biomedical Optics</i> , 2010, 15, 037004.	2.6	157
13	Neurologic Complications in Children Hospitalized with Influenza: Characteristics, Incidence, and Risk Factors. <i>Journal of Pediatrics</i> , 2007, 150, 306-310.	1.8	149
14	Interrater Reliability of the Pediatric National Institutes of Health Stroke Scale (PedNIHSS) in a Multicenter Study. <i>Stroke</i> , 2011, 42, 613-617.	2.0	135
15	Predictors of Outcome in Childhood Intracerebral Hemorrhage. <i>Stroke</i> , 2010, 41, 313-318.	2.0	134
16	Cardiopulmonary Resuscitation in Infants and Children With Cardiac Disease. <i>Circulation</i> , 2018, 137, e691-e782.	1.6	119
17	Effects of congenital heart disease on brain development. <i>Progress in Pediatric Cardiology</i> , 2010, 29, 79-85.	0.4	118
18	Association of Impaired Linear Growth and Worse Neurodevelopmental Outcome in Infants with Single Ventricle Physiology: A Report from the Pediatric Heart Network Infant Single Ventricle Trial. <i>Journal of Pediatrics</i> , 2013, 162, 250-256.e2.	1.8	113

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19	Time to surgery and preoperative cerebral hemodynamics predict postoperative white matter injury in neonates with hypoplastic left heart syndrome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2181-2188.	0.8	112
20	Subclinical seizures identified by postoperative electroencephalographic monitoring are common after neonatal cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 169-180.	0.8	112
21	The Cerebral Vasculopathy of PHACES Syndrome. <i>Stroke</i> , 2008, 39, 308-316.	2.0	108
22	Pediatric Perfusion MR Imaging Using Arterial Spin Labeling. <i>Neuroimaging Clinics of North America</i> , 2006, 16, 149-167.	1.0	101
23	Protecting the Infant Brain During Cardiac Surgery: A Systematic Review. <i>Annals of Thoracic Surgery</i> , 2012, 94, 1365-1373.	1.3	101
24	Characterization of the Placenta in the Newborn with Congenital Heart Disease: Distinctions Based on Type of Cardiac Malformation. <i>Pediatric Cardiology</i> , 2018, 39, 1165-1171.	1.3	92
25	Seizures as a Presenting Symptom of Acute Arterial Ischemic Stroke in Childhood. <i>Journal of Pediatrics</i> , 2011, 159, 479-483.	1.8	86
26	COL4A2 mutation associated with familial porencephaly and small-vessel disease. <i>European Journal of Human Genetics</i> , 2012, 20, 844-851.	2.8	84
27	Arterial spin labeling perfusion MRI in pediatric arterial ischemic stroke: Initial experiences. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 282-290.	3.4	83
28	Risk of Later Seizure After Perinatal Arterial Ischemic Stroke: A Prospective Cohort Study. <i>Pediatrics</i> , 2011, 127, e1550-e1557.	2.1	82
29	Validation of diffuse correlation spectroscopic measurement of cerebral blood flow using phase-encoded velocity mapping magnetic resonance imaging. <i>Journal of Biomedical Optics</i> , 2012, 17, 037007.	2.6	77
30	Hemorrhagic Transformation of Childhood Arterial Ischemic Stroke. <i>Stroke</i> , 2011, 42, 941-946.	2.0	76
31	International Paediatric Stroke Study: Stroke Associated with Cardiac Disorders. <i>International Journal of Stroke</i> , 2013, 8, 39-44.	5.9	73
32	Pediatric Intracerebral Hemorrhage. <i>JAMA Neurology</i> , 2013, 70, 448.	9.0	66
33	Predicting outcome in children with hypoxic ischemic encephalopathy. <i>Pediatric Critical Care Medicine</i> , 2007, 8, 1-8.	0.5	65
34	Quantification Issues in Arterial Spin Labeling Perfusion Magnetic Resonance Imaging. <i>Topics in Magnetic Resonance Imaging</i> , 2010, 21, 65-73.	1.2	63
35	Younger gestational age is associated with worse neurodevelopmental outcomes after cardiac surgery in infancy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 535-542.	0.8	63
36	Cerebral cortical folding analysis with multivariate modeling and testing: Studies on gender differences and neonatal development. <i>NeuroImage</i> , 2010, 53, 450-459.	4.2	62

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37	Preoperative cerebral hemodynamics from birth to surgery in neonates with critical congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 1657-1664.	0.8	61
38	Intravenous levetiracetam in critically ill children with status epilepticus or acute repetitive seizures. <i>Pediatric Critical Care Medicine</i> , 2009, 10, 505-510.	0.5	60
39	Haemorrhagic stroke in term and late preterm neonates. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F48-F53.	2.8	56
40	Incidental intracranial hemorrhage after uncomplicated birth: MRI before and after neonatal heart surgery. <i>Neuroradiology</i> , 2003, 45, 253-258.	2.2	55
41	Early postoperative changes in cerebral oxygen metabolism following neonatal cardiac surgery: Effects of surgical duration. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 196-205.e1.	0.8	55
42	Stroke in Children With Cardiac Disease: Report From the International Pediatric Stroke Study Group Symposium. <i>Pediatric Neurology</i> , 2015, 52, 5-15.	2.1	55
43	Noninvasive Cerebral Perfusion Imaging in High-Risk Neonates. <i>Seminars in Perinatology</i> , 2010, 34, 46-56.	2.5	54
44	Electrographic Seizures in Children and Neonates Undergoing Extracorporeal Membrane Oxygenation. <i>Pediatric Critical Care Medicine</i> , 2017, 18, 249-257.	0.5	54
45	Risk factors for preoperative periventricular leukomalacia in term neonates with hypoplastic left heart syndrome are patient related. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1312-1318.	0.8	52
46	Incidence and predictors of epilepsy after pediatric arterial ischemic stroke. <i>Neurology</i> , 2017, 88, 630-637.	1.1	52
47	Hemodynamic-Directed Cardiopulmonary Resuscitation Improves Neurologic Outcomes and Mitochondrial Function in the Heart and Brain. <i>Critical Care Medicine</i> , 2019, 47, e241-e249.	0.9	52
48	Noninvasive optical monitoring of critical closing pressure and arteriole compliance in human subjects. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2691-2705.	4.3	51
49	Neurodevelopment and quality of life for children with hypoplastic left heart syndrome: current knowns and unknowns. <i>Cardiology in the Young</i> , 2011, 21, 88-92.	0.8	48
50	Heterogeneous increases of regional cerebral blood flow during preterm brain development: Preliminary assessment with pseudo-continuous arterial spin labeled perfusion MRI. <i>NeuroImage</i> , 2017, 147, 233-242.	4.2	47
51	Concurrent Validity and Reliability of Retrospective Scoring of the Pediatric National Institutes of Health Stroke Scale. <i>Stroke</i> , 2012, 43, 341-345.	2.0	46
52	Pediatric cavernous sinus thrombosis. <i>Neurology</i> , 2015, 85, 763-769.	1.1	46
53	Clinical Neonatal Brain MRI Segmentation Using Adaptive Nonparametric Data Models and Intensity-Based Markov Priors. , 2007, 10, 883-890.		44
54	Management of Common Neurologic Symptoms in Pediatric Palliative Care: Seizures, Agitation, and Spasticity. <i>Pediatric Clinics of North America</i> , 2007, 54, 709-733.	1.8	44

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55	Neurological complications associated with the treatment of patients with congenital cardiac disease: consensus definitions from the Multi-Societal Database Committee for Pediatric and Congenital Heart Disease. <i>Cardiology in the Young</i> , 2008, 18, 234-239.	0.8	42
56	Pediatric Palliative, End-of-Life, and Bereavement Care. <i>Pediatric Clinics of North America</i> , 2005, 52, 1029-1046.	1.8	39
57	The Pediatric Stroke Recurrence and Recovery Questionnaire. <i>Neurology</i> , 2012, 79, 864-870.	1.1	38
58	Prediction of periventricular leukomalacia. Part I: Selection of hemodynamic features using logistic regression and decision tree algorithms. <i>Artificial Intelligence in Medicine</i> , 2009, 46, 201-215.	6.5	36
59	Chronic intrauterine hypoxia alters neurodevelopment in fetal sheep. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1982-1991.	0.8	36
60	Juvenile dentatorubral-pallidoluysian atrophy: new clinical features. <i>Pediatric Neurology</i> , 2002, 26, 51-54.	2.1	35
61	Role of Diffusion MRI in Diagnosis of Spinal Cord Infarction in Children. <i>Neuropediatrics</i> , 2008, 39, 188-191.	0.6	34
62	Neurological Injury and Cerebral Blood Flow in Single Ventricles Throughout Staged Surgical Reconstruction. <i>Circulation</i> , 2017, 135, 671-682.	1.6	34
63	Neuromonitoring in the neonatal ECMO patient. <i>Seminars in Perinatology</i> , 2018, 42, 111-121.	2.5	34
64	Modified Pediatric ASPECTS Correlates with Infarct Volume in Childhood Arterial Ischemic Stroke. <i>Frontiers in Neurology</i> , 2012, 3, 122.	2.4	33
65	Epinephrine's effects on cerebrovascular and systemic hemodynamics during cardiopulmonary resuscitation. <i>Critical Care</i> , 2020, 24, 583.	5.8	33
66	Neuropsychological Status in Children After Repair of Acyanotic Congenital Heart Disease. <i>Pediatrics</i> , 2010, 126, e351-e359.	2.1	32
67	ABC/XYZ Estimates Intracerebral Hemorrhage Volume as a Percent of Total Brain Volume in Children. <i>Stroke</i> , 2010, 41, 691-694.	2.0	32
68	Pediatric Intracerebral Hemorrhage Score. <i>Stroke</i> , 2014, 45, 66-70.	2.0	30
69	Continuous cerebral hemodynamic measurement during deep hypothermic circulatory arrest. <i>Biomedical Optics Express</i> , 2016, 7, 3461.	2.9	30
70	Non-invasive optical neuromonitoring of the temperature-dependence of cerebral oxygen metabolism during deep hypothermic cardiopulmonary bypass in neonatal swine. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 187-203.	4.3	30
71	Cerebral mitochondrial dysfunction associated with deep hypothermic circulatory arrest in neonatal swine. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 54, 162-168.	1.4	28
72	Noninvasive Optical Quantification of Cerebral Venous Oxygen Saturation in Humans. <i>Academic Radiology</i> , 2014, 21, 162-167.	2.5	27

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73	Cerebral Lipiodol Embolism after Lymphatic Embolization for Plastic Bronchitis. <i>Journal of Pediatrics</i> , 2016, 176, 200-203.	1.8	27
74	Why perfusion in neonates with congenital heart defects is negative " Technical issues related to pulsed arterial spin labeling. <i>Magnetic Resonance Imaging</i> , 2006, 24, 249-254.	1.8	26
75	Cerebral Blood Flow Response to Hypercapnia in Children with Obstructive Sleep Apnea Syndrome. <i>Sleep</i> , 2016, 39, 209-216.	1.1	26
76	Lupus Anticoagulant and Thrombosis Following Henoch-SchÅ¶nlein Purpura. <i>Pediatric Neurology</i> , 2007, 36, 345-347.	2.1	24
77	Prediction of periventricular leukomalacia. Part II: Selection of hemodynamic features using computational intelligence. <i>Artificial Intelligence in Medicine</i> , 2009, 46, 217-231.	6.5	24
78	Time-Resolved MRI Oximetry for Quantifying CMRO2 and Vascular Reactivity. <i>Academic Radiology</i> , 2014, 21, 207-214.	2.5	24
79	Growth trajectory and neurodevelopmental outcome in infants with congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2017, 52, 1944-1948.	1.6	24
80	Incidence of Recurrence in Posterior Circulation Childhood Arterial Ischemic Stroke. <i>JAMA Neurology</i> , 2017, 74, 316.	9.0	23
81	Noninvasive optical measurement of microvascular cerebral hemodynamics and autoregulation in the neonatal ECMO patient. <i>Pediatric Research</i> , 2020, 88, 925-933.	2.3	23
82	Intravenous Levetiracetam Terminates Refractory Focal Status Epilepticus. <i>Neurocritical Care</i> , 2009, 10, 83-86.	2.4	22
83	Patient Position During Lumbar Puncture Has No Meaningful Effect on Cerebrospinal Fluid Opening Pressure in Children. <i>Journal of Child Neurology</i> , 2010, 25, 616-619.	1.4	22
84	Development and Validation of a Semiquantitative Brain Maturation Score on Fetal MR Images: Initial Results. <i>Radiology</i> , 2013, 268, 200-207.	7.3	22
85	Cerebrovascular response to maternal hyperoxygenation in fetuses with hypoplastic left heart syndrome depends on gestational age and baseline cerebrovascular resistance. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 52, 473-478.	1.7	22
86	Remission of seizures with immunosuppressive therapy in Parry-Romberg syndrome and en coup de sabre linear scleroderma: Case report and brief review of the literature. <i>Pediatric Dermatology</i> , 2018, 35, e363-e365.	0.9	21
87	Sodium bicarbonate causes dose-dependent increases in cerebral blood flow in infants and children with single-ventricle physiology. <i>Pediatric Research</i> , 2013, 73, 668-673.	2.3	20
88	Relationship of cerebral blood flow to aortic-to-pulmonary collateral/shunt flow in single ventricles. <i>Heart</i> , 2015, 101, 1325-1331.	2.9	20
89	Early Evaluation and the Effect of Socioeconomic Factors on Neurodevelopment in Infants with Tetralogy of Fallot. <i>Pediatric Cardiology</i> , 2021, 42, 643-653.	1.3	19
90	Scoring system for periventricular leukomalacia in infants with congenital heart disease. <i>Pediatric Research</i> , 2015, 78, 304-309.	2.3	18

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91	Does hypothermia impair cerebrovascular autoregulation in neonates during cardiopulmonary bypass?. Paediatric Anaesthesia, 2017, 27, 905-910.	1.1	18
92	Prediction of Periventricular Leukomalacia in Neonates after Cardiac Surgery Using Machine Learning Algorithms. Journal of Medical Systems, 2018, 42, 177.	3.6	18
93	Oxygen Exposure During Cardiopulmonary Resuscitation Is Associated With Cerebral Oxidative Injury in a Randomized, Blinded, Controlled, Preclinical Trial. Journal of the American Heart Association, 2020, 9, e015032.	3.7	18
94	Multivariate High-Dimensional Cortical Folding Analysis, Combining Complexity and Shape, in Neonates with Congenital Heart Disease. Lecture Notes in Computer Science, 2009, 21, 552-563.	1.3	18
95	Combined use of Solitaire FR and Penumbra devices for endovascular treatment of cerebral venous sinus thrombosis in a child. Journal of NeuroInterventional Surgery, 2015, 7, e10-e10.	3.3	17
96	Prenatal hypoxemia alters microglial morphology in fetal sheep. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 270-277.	0.8	17
97	Electroencephalographic Response to Deep Hypothermic Circulatory Arrest in Neonatal Swine and Humans. Annals of Thoracic Surgery, 2018, 106, 1841-1846.	1.3	16
98	Neurologic Outcome Predictors in Pediatric Intracerebral Hemorrhage. Stroke, 2018, 49, 1755-1758.	2.0	16
99	Understanding the phenotypic spectrum of ASXL related disease: Ten cases and a review of the literature. American Journal of Medical Genetics, Part A, 2021, 185, 1700-1711.	1.2	16
100	Association of MRI Brain Injury With Outcome After Pediatric Out-of-Hospital Cardiac Arrest. Neurology, 2021, 96, e719-e731.	1.1	16
101	Educational Placement After Pediatric Intracerebral Hemorrhage. Pediatric Neurology, 2016, 61, 46-50.	2.1	15
102	Brain Injury During Transition in the Newborn With Congenital Heart Disease: Hazards of the Preoperative Period. Seminars in Pediatric Neurology, 2018, 28, 60-65.	2.0	15
103	Optical Detection of Intracranial Pressure and Perfusion Changes in Neonates With Hydrocephalus. Journal of Pediatrics, 2021, 236, 54-61.e1.	1.8	15
104	Frequency of Hematoma Expansion After Spontaneous Intracerebral Hemorrhage in Children. JAMA Neurology, 2014, 71, 165.	9.0	14
105	Hearing Loss after Cardiac Surgery in Infancy: An Unintended Consequence of Life-Saving Care. Journal of Pediatrics, 2018, 192, 144-151.e1.	1.8	14
106	A retrospective comparison of phenobarbital and levetiracetam for the treatment of seizures following cardiac surgery in neonates. Epilepsia, 2020, 61, 627-635.	5.1	14
107	Pediatric Central Nervous System Infections and Inflammatory White Matter Disease. Pediatric Clinics of North America, 2005, 52, 1107-1126.	1.8	13
108	Ex Utero Extracorporeal Support as a Model for Fetal Hypoxia and Brain Dysmaturity. Annals of Thoracic Surgery, 2020, 109, 810-819.	1.3	13

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109	Brain segmentation, spatial censoring, and averaging techniques for optical functional connectivity imaging in mice. <i>Biomedical Optics Express</i> , 2019, 10, 5952.	2.9	13
110	Prediction of Periventricular Leukomalacia Occurrence in Neonates After Heart Surgery. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 1453-1460.	6.3	12
111	Herpes Simplex Testing in Neonates in the Emergency Department. <i>Pediatric Emergency Care</i> , 2012, 28, 949-955.	0.9	11
112	Application of Mathematical Modeling for Simulation and Analysis of Hypoplastic Left Heart Syndrome (HLHS) in Pre- and Postsurgery Conditions. <i>BioMed Research International</i> , 2015, 2015, 1-14.	1.9	11
113	Comparative X-ray crystallographic evidence for a β -bend conformation as the active structure for peptide T in T4 receptor recognition. <i>The Protein Journal</i> , 1989, 8, 87-100.	1.1	10
114	Reference Range for Cerebrospinal Fluid Protein Concentration in Children and Adolescents. <i>JAMA Pediatrics</i> , 2011, 165, 671.	3.0	9
115	Application of decision tree in the prediction of periventricular leukomalacia (PVL) occurrence in neonates after heart surgery. , 2012, 2012, 5931-4.		9
116	Non-invasive diffuse optical neuromonitoring during cardiopulmonary resuscitation predicts return of spontaneous circulation. <i>Scientific Reports</i> , 2021, 11, 3828.	3.3	9
117	Reversible Subacute Combined Degeneration of the Spinal Cord in a 14-Year-Old Due to a Strict Vegan Diet. <i>Clinical Pediatrics</i> , 2001, 40, 413-415.	0.8	8
118	Status Epilepticus Secondary to Hypertensive Encephalopathy as the Presenting Manifestation of Guillain-Barré Syndrome. <i>Pediatric Emergency Care</i> , 2007, 23, 659-661.	0.9	8
119	Electroencephalographic patterns preceding cardiac arrest in neonates following cardiac surgery. <i>Resuscitation</i> , 2019, 144, 67-74.	3.0	8
120	Does supply meet demand? A comparison of perfusion strategies on cerebral metabolism in a neonatal swine model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, e47-e58.	0.8	8
121	Wavelength censoring for spectroscopy in optical functional neuroimaging. <i>Physics in Medicine and Biology</i> , 2021, 66, 065026.	3.0	8
122	Cerebrovascular Malformations in a Pediatric Hereditary Hemorrhagic Telangiectasia Cohort. <i>Pediatric Neurology</i> , 2020, 110, 49-54.	2.1	8
123	Harmonization of multi-center diffusion tensor tractography in neonates with congenital heart disease: Optimizing post-processing and application of ComBat. <i>NeuroImage Reports</i> , 2022, 2, 100114.	1.0	8
124	Evaluation of Intraventricular Hemorrhage in Pediatric Intracerebral Hemorrhage. <i>Journal of Child Neurology</i> , 2012, 27, 526-531.	1.4	7
125	Remote Ischemic Preconditioning Does Not Prevent White Matter Injury in Neonates. <i>Annals of Thoracic Surgery</i> , 2018, 106, 151-155.	1.3	7
126	Development and Validation of a Seizure Prediction Model in Neonates After Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2021, 111, 2041-2048.	1.3	7

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127	Variability in atlas registration of optical intrinsic signal imaging and its effect on functional connectivity analysis. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021, 38, 245.	1.5	7
128	Association of Ongoing Cerebral Oxygen Extraction During Deep Hypothermic Circulatory Arrest With Postoperative Brain Injury. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2022, 34, 1275-1284.	0.6	7
129	Increased cerebral mitochondrial dysfunction and reactive oxygen species with cardiopulmonary bypass. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 59, 1256-1264.	1.4	7
130	Thrombotic events in critically ill children with myocarditis. <i>Cardiology in the Young</i> , 2014, 24, 840-847.	0.8	6
131	Brain Magnetic Resonance Immediately Before Surgery in Single Ventricles and Surgical Postponement. <i>Annals of Thoracic Surgery</i> , 2014, 98, 1693-1698.	1.3	6
132	Intractable Nodulocystic Acne in a Patient with Trisomy 13. <i>Pediatric Dermatology</i> , 2015, 32, 381-382.	0.9	6
133	X-linked Charcotâ€“Marieâ€“Tooth Disease Presenting with Stuttering Stroke-like Symptoms. <i>Neuropediatrics</i> , 2019, 50, 304-307.	0.6	6
134	Outcome Trajectories after Primary Perinatal Hemorrhagic Stroke. <i>Pediatric Neurology</i> , 2020, 105, 41-47.	2.1	5
135	Effects of circulatory arrest and cardiopulmonary bypass on cerebral autoregulation in neonatal swine. <i>Pediatric Research</i> , 2022, 91, 1374-1382.	2.3	5
136	Endovascular and thrombolytic treatment eligibility in childhood arterial ischemic stroke. <i>European Journal of Paediatric Neurology</i> , 2021, 34, 99-104.	1.6	5
137	Gender Differences in Cerebral Cortical Folding: Multivariate Complexity-Shape Analysis with Insights into Handling Brain-Volume Differences. <i>Lecture Notes in Computer Science</i> , 2009, 12, 200-207.	1.3	5
138	Low frequency power in cerebral blood flow is a biomarker of neurologic injury in the acute period after cardiac arrest. <i>Resuscitation</i> , 2022, 178, 12-18.	3.0	4
139	Discovering hidden relationships in physiological signals for prediction of Periventricular Leukomalacia. , 2013, 2013, 7080-3.		3
140	First things first: The importance of the preoperative period for neurocognitive outcomes in hypoplastic left heart syndrome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 1367-1368.	0.8	3
141	Neuroaxial Infantile Hemangiomas: Imaging Manifestations and Association with Hemangioma Syndromes. <i>American Journal of Neuroradiology</i> , 2021, 42, 1520-1527.	2.4	3
142	Cutting the Gordian Knot That Ties Intraoperative Conditions to Long-term Neurodevelopmental Outcomes in Children Undergoing Congenital Heart Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 2889-2891.	1.3	3
143	Abstract 278: A Randomized, Blinded Trial of 100% Oxygen vs. Room Air During Cardiopulmonary Resuscitation in a Large Animal Model of Pediatric Cardiac Arrest. <i>Circulation</i> , 2018, 138, .	1.6	3
144	Ocular Dipping in a Patient With Hemiplegic Migraine. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2018, 55, e4-e6.	0.7	3

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145	The Path Forward Is to Look Backward in Time. <i>Circulation</i> , 2015, 131, 1307-1309.	1.6	2
146	283: Quantifying placental oxygenation using ultrasound-guided frequency-domain near-infrared spectroscopy (FD-NIRS). <i>American Journal of Obstetrics and Gynecology</i> , 2017, 216, S172.	1.3	2
147	A Novel Embedded Feature Selection and Dimensionality Reduction Method for an SVM Type Classifier to Predict Periventricular Leukomalacia (PVL) in Neonates. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11156.	2.5	2
148	Correlation of the conformation of a modified ribonuclease octapeptide, homologous to peptide T, with its ability to induce CD4-dependent monocyte chemotaxis. <i>The Protein Journal</i> , 1992, 11, 475-481.	1.1	1
149	Prediction of Periventricular Leukomalacia Occurrence in Neonates Using a Novel Support Vector Machine Classifier Optimization Method. , 2015, , .		1
150	Effect of anesthesia on cerebral oxygenation and blood flow in neonates with critical congenital heart disease. , 2016, , .		1
151	Brain hypoxia before surgery; a tale of two cells: Astrocytes and oligodendrocytes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 273-274.	0.8	1
152	Neurosurgical shunting in neonatal hydrocephalus increased cerebral perfusion only in patients with elevated intracranial pressure. , 2021, , .		1
153	Blood Flow Response to Orthostatic Challenges in Health and Diseased Populations. , 2016, , .		1
154	Non-invasive optical assessment of intracranial pressure: pilot results in human patients. , 2019, , .		1
155	Abstract 153: Non-invasive Measurement of Cerebral Tissue Oxygen Extraction Fraction is Correlated with Microdialysis Brain Injury Biomarkers During Extracorporeal Cardiopulmonary Resuscitation. <i>Circulation</i> , 2020, 142, .	1.6	1
156	Neurologic complications of infective endocarditis in children. <i>Cardiology in the Young</i> , 2023, 33, 463-472.	0.8	1
157	Optical Assessment of Cerebral Oxygen Metabolism During Acute Carbon Monoxide Poisoning. , 2022, , .		1
158	Child Neurology: A case illustrating the role of imaging in evaluation of sudden infant death. <i>Neurology</i> , 2009, 73, e54-6.	1.1	0
159	Computational Modeling of Hypoplastic Left Heart Syndrome (HLHS) in Newborn Babies. , 2011, , .		0
160	Time-Frequency Analysis of Hemodynamic Waveforms to Predict the Occurrence and Severity of Periventricular Leukomalacia. , 2012, , .		0
161	“The more things change”! The challenges ahead. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 1026-1027.	0.8	0
162	Neurologic Disorders in Children with Heart Disease. , 2017, , 1205-1214.		0

#	ARTICLE	IF	CITATIONS
163	Noninvasive Optical Monitoring of Cerebral Blood Flow, Critical Closing Pressure, and Arteriole Compliance in Adult Human Subjects. , 2018, , .		0
164	Organ System Response to Cardiac Functionâ€”Neurology. , 2019, , 174-185.e5.		0
165	171: CEREBRAL AUTOREGULATION FOLLOWING DEEP HYPOTHERMIA AND CIRCULATORY ARREST IN NEONATAL SWINE. Critical Care Medicine, 2020, 48, 68-68.	0.9	0
166	Correlation of non-invasive diffuse optical measurements of cerebral hemodynamics and cerebral microdialysis during extracorporeal membrane oxygenation. , 2021, , .		0
167	Effects of mild hypothermic cardiopulmonary bypass on cerebral hemodynamics: comparison of diffuse optical and cerebral microdialysis metrics in neonatal swine. , 2021, , .		0
168	Low frequency power in cerebral blood flow through cardiac arrest and recovery in a swine model. , 2021, , .		0
169	Impact of cerebral edema on diffuse optical spectroscopy quantification during extracorporeal membrane oxygenation (ECMO). , 2021, , .		0
170	Non-invasive estimation of intracranial pressure by fast diffuse correlation spectroscopy: a multi-center study. , 2021, , .		0
171	Commentary: Diffuse optical spectroscopies: Shedding light on neuroprotective strategies during cardiac surgery. JTCVS Techniques, 2021, 7, 178-179.	0.4	0
172	Chronic foetal hypoxaemia does not cause elevation of serum markers of brain injury. Cardiology in the Young, 2021, , 1-6.	0.8	0
173	Pre-Operative Cerebral Hemodynamics in Infants with Critical Congenital Heart Disease. , 2014, , .		0
174	Pressure Modulation Algorithm to Separate Cerebral Hemodynamic Signals from Extracerebral Artifacts. , 2016, , .		0
175	Prediction of Return of Spontaneous Circulation During Cardiopulmonary Resuscitation using Frequency-Domain Diffuse Optical Spectroscopy in a Pediatric Swine Model of Asphyxial Cardiac Arrest. , 2018, , .		0
176	Non-Invasive Diffuse Optical Quantification of Changes in Cerebral Oxygen Metabolism Following Deep Hypothermia and Circulatory Arrest in a Neonatal Swine Model. , 2018, , .		0
177	Individualizing critical care delivery - New opportunities. , 2018, , .		0
178	Abstract 102: Inhaled Nitric Oxide Mitigates Pulmonary Hypertension and Improves Cerebral Hemodynamics During Prolonged Cardiopulmonary Resuscitation in a Swine Model of Pediatric Cardiac Arrest. Circulation, 2018, 138, .	1.6	0
179	Abstract 311: Selection of Optimal Predictor and Critical Thresholds for Return of Spontaneous Circulation Using Non-Invasive Frequency-Domain Diffuse Optical Spectroscopy During Cardiopulmonary Resuscitation. Circulation, 2018, 138, .	1.6	0
180	Abstract 159: Epinephrine Increases Cerebral Perfusion and Oxygenation in a Pre-Clinical Model of Pediatric In-Hospital Cardiac Arrest. Circulation, 2018, 138, .	1.6	0

#	ARTICLE	IF	CITATIONS
181	674: DIFFUSION MRI ABNORMALITIES ARE ASSOCIATED WITH NEUROLOGIC OUTCOME AFTER PEDIATRIC CARDIAC ARREST. <i>Critical Care Medicine</i> , 2020, 48, 317-317.	0.9	0
182	Diffuse Optical Biomarkers of Elevated Intracranial Pressure in Hydrocephalus. , 2020, , .		0
183	Neuroimaging of perinatal brain disorders. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, , 501-527.	0.1	0
184	Oxygen Saturation and Blood Flow Measured as a Function of Time During Cardiopulmonary Bypass. , 2020, , .		0
185	Optical Quantification of Cerebral Hemodynamics During Deep Hypothermic Cardiopulmonary Bypass with Selective Cerebral Perfusion. , 2020, , .		0
186	Quantifying Inter- and Intra-Observer Variability of Atlasing in Optical Intrinsic Signal Imaging. , 2020, , .		0
187	Abstract 14226: Resilience in Young Adults With CHD: Predictors and Impact on Quality of Life. <i>Circulation</i> , 2020, 142, .	1.6	0
188	Abstract 10700: Inverse Relationship Between Cerebral Blood Flow and Systemic to Pulmonary Collateral Flow in Fontans Adjusting for Brain Injury: What Goes up Must Come Down - and Visa Versa. <i>Circulation</i> , 2021, 144, .	1.6	0
189	Radiographic and histologic characterisation of white matter injury in a sheep model of CHD. <i>Cardiology in the Young</i> , 2022, , 1-5.	0.8	0
190	Oral feeding dysfunction in post-operative infants with CHDs: a scoping review. <i>Cardiology in the Young</i> , 2022, , 1-9.	0.8	0
191	Chronic Hypoxemia Induces Mitochondrial Respiratory Complex Gene Expression in the Fetal Sheep Brain. <i>JTCVS Open</i> , 2022, , .	0.5	0
192	Noninvasive Optical Monitoring of ECMO Decannulation in an Infant with Congenital Diaphragmatic Hernia. , 2022, , .		0