

# Richard L Robertson

## List of Publications by Citations

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93  
papers

6,874  
citations

43  
h-index

82  
g-index

94  
ext. papers

7,864  
ext. citations

5.5  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
93	Brain volume and metabolism in fetuses with congenital heart disease: evaluation with quantitative magnetic resonance imaging and spectroscopy. <i>Circulation</i> , <b>2010</b> , 121, 26-33	16.7	421
92	Human TUBB3 mutations perturb microtubule dynamics, kinesin interactions, and axon guidance. <i>Cell</i> , <b>2010</b> , 140, 74-87	56.2	418
91	Does cerebellar injury in premature infants contribute to the high prevalence of long-term cognitive, learning, and behavioral disability in survivors?. <i>Pediatrics</i> , <b>2007</b> , 120, 584-93	7.4	403
90	Multi-component apparent diffusion coefficients in human brain. <i>NMR in Biomedicine</i> , <b>1999</b> , 12, 51-62	4.4	315
89	Late gestation cerebellar growth is rapid and impeded by premature birth. <i>Pediatrics</i> , <b>2005</b> , 115, 688-95	7.4	312
88	Adolescents with d-transposition of the great arteries corrected with the arterial switch procedure: neuropsychological assessment and structural brain imaging. <i>Circulation</i> , <b>2011</b> , 124, 1361-9	16.7	299
87	Positive screening for autism in ex-preterm infants: prevalence and risk factors. <i>Pediatrics</i> , <b>2008</b> , 121, 758-65	7.4	288
86	The current etiologic profile and neurodevelopmental outcome of seizures in term newborn infants. <i>Pediatrics</i> , <b>2006</b> , 117, 1270-80	7.4	275
85	Optimized single-slab three-dimensional spin-echo MR imaging of the brain. <i>Radiology</i> , <b>2000</b> , 216, 891-9	20.5	229
84	Diagnostic imaging in the evaluation of vascular birthmarks. <i>Dermatologic Clinics</i> , <b>1998</b> , 16, 455-88	4.2	209
83	Early detection of periventricular leukomalacia by diffusion-weighted magnetic resonance imaging techniques. <i>Journal of Pediatrics</i> , <b>1999</b> , 134, 631-4	3.6	189
82	Congenital Brain Abnormalities and Zika Virus: What the Radiologist Can Expect to See Prenatally and Postnatally. <i>Radiology</i> , <b>2016</b> , 281, 203-18	20.5	186
81	Long-term outcome in children with moyamoya syndrome after cranial revascularization by pial syngangiosis. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2004</b> , 100, 142-9	2.1	181
80	Impaired trophic interactions between the cerebellum and the cerebrum among preterm infants. <i>Pediatrics</i> , <b>2005</b> , 116, 844-50	7.4	179
79	Relationship of intraoperative cerebral oxygen saturation to neurodevelopmental outcome and brain magnetic resonance imaging at 1 year of age in infants undergoing biventricular repair. <i>Circulation</i> , <b>2010</b> , 122, 245-54	16.7	132
78	Injury to the premature cerebellum: outcome is related to remote cortical development. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 728-36	5.1	130
77	Regional brain development in serial magnetic resonance imaging of low-risk preterm infants. <i>Pediatrics</i> , <b>2006</b> , 118, 23-33	7.4	121

76	Randomized trial of hematocrit 25% versus 35% during hypothermic cardiopulmonary bypass in infant heart surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 135, 347-54, 354.e1-4	1.5	118
75	Moyamoya syndrome associated with Down syndrome: outcome after surgical revascularization. <i>Pediatrics</i> , <b>2005</b> , 116, e694-701	7.4	112
74	Multi-component apparent diffusion coefficients in human brain: relationship to spin-lattice relaxation. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 44, 292-300	4.4	88
73	Neuropsychological Status and Structural Brain Imaging in Adolescents With Single Ventricle Who Underwent the Fontan Procedure. <i>Journal of the American Heart Association</i> , <b>2015</b> , 4,	6	86
72	Cerebellar injury in the premature infant is associated with impaired growth of specific cerebral regions. <i>Pediatric Research</i> , <b>2010</b> , 68, 145-50	3.2	84
71	White matter microstructure and cognition in adolescents with congenital heart disease. <i>Journal of Pediatrics</i> , <b>2014</b> , 165, 936-44.e1-2	3.6	83
70	Spectrum of neurodevelopmental disabilities in children with cerebellar malformations. <i>Developmental Medicine and Child Neurology</i> , <b>2011</b> , 53, 409-16	3.3	78
69	Regional cerebellar volumes predict functional outcome in children with cerebellar malformations. <i>Cerebellum</i> , <b>2012</b> , 11, 531-42	4.3	74
68	MRI as a central component of clinical trials analysis in brainstem glioma: a report from the Pediatric Brain Tumor Consortium (PBTC). <i>Neuro-Oncology</i> , <b>2011</b> , 13, 417-27	1	73
67	How accurately does current fetal imaging identify posterior fossa anomalies?. <i>American Journal of Roentgenology</i> , <b>2008</b> , 190, 1637-43	5.4	72
66	Diagnosis of inferior vermian hypoplasia by fetal magnetic resonance imaging: potential pitfalls and neurodevelopmental outcome. <i>American Journal of Obstetrics and Gynecology</i> , <b>2006</b> , 194, 1070-6	6.4	72
65	Third Trimester Brain Growth in Preterm Infants Compared With In Utero Healthy Fetuses. <i>Pediatrics</i> , <b>2016</b> , 138,	7.4	69
64	Adolescents with tetralogy of Fallot: neuropsychological assessment and structural brain imaging. <i>Cardiology in the Young</i> , <b>2015</b> , 25, 338-47	1	68
63	Biexponential apparent diffusion coefficient parametrization in adult vs newborn brain. <i>Magnetic Resonance Imaging</i> , <b>2001</b> , 19, 659-68	3.3	67
62	Moyamoya and Down syndrome. Clinical and radiological features. <i>Stroke</i> , <b>1996</b> , 27, 2131-5	6.7	61
61	Ionizing radiation from computed tomography versus anesthesia for magnetic resonance imaging in infants and children: patient safety considerations. <i>Pediatric Radiology</i> , <b>2018</b> , 48, 21-30	2.8	61
60	Adolescents with D-transposition of the great arteries repaired in early infancy demonstrate reduced white matter microstructure associated with clinical risk factors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2013</b> , 146, 543-9.e1	1.5	57
59	Normal and ischemic epiphysis of the femur: diffusion MR imaging study in piglets. <i>Radiology</i> , <b>2003</b> , 227, 825-32	20.5	54

58	Complex Trajectories of Brain Development in the Healthy Human Fetus. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 5274-5283	5.2	83
57	Cerebellar injury in term infants: clinical characteristics, magnetic resonance imaging findings, and outcome. <i>Pediatric Neurology</i> , <b>2009</b> , 41, 1-8	2.9	53
56	Fetal MRI: A Technical Update with Educational Aspirations. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , <b>2014</b> , 43, 237-266	0.6	52
55	Neurological features of congenital fibrosis of the extraocular muscles type 2 with mutations in PHOX2A. <i>Brain</i> , <b>2006</b> , 129, 2363-74	11.2	52
54	In vivo visualization of white matter fiber tracts of preterm- and term-infant brains with diffusion tensor magnetic resonance imaging. <i>Investigative Radiology</i> , <b>2005</b> , 40, 110-5	10.1	51
53	Methylmalonic acidemia: brain imaging findings in 52 children and a review of the literature. <i>Pediatric Radiology</i> , <b>2008</b> , 38, 1054-61	2.8	50
52	Spontaneous superficial parenchymal and leptomeningeal hemorrhage in term neonates. <i>American Journal of Neuroradiology</i> , <b>2004</b> , 25, 469-75	4.4	50
51	Early versus late MRI in asphyxiated newborns treated with hypothermia. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2011</b> , 96, F36-44	4.7	44
50	A fuzzy system for helping medical diagnosis of malformations of cortical development. <i>Journal of Biomedical Informatics</i> , <b>2007</b> , 40, 221-35	10.2	38
49	Frequency and cause of disagreements in diagnoses for fetuses referred for ventriculomegaly. <i>Radiology</i> , <b>2008</b> , 247, 516-27	20.5	35
48	Fetal magnetic resonance imaging: exposure times and functional outcomes at preschool age. <i>Pediatric Radiology</i> , <b>2015</b> , 45, 1823-30	2.8	34
47	School-age effects of the newborn individualized developmental care and assessment program for preterm infants with intrauterine growth restriction: preliminary findings. <i>BMC Pediatrics</i> , <b>2013</b> , 13, 25	2.6	34
46	Subtle hemorrhagic brain injury is associated with neurodevelopmental impairment in infants with repaired congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 138, 374-81	1.5	34
45	NR2F1 deletion in a patient with a de novo paracentric inversion, inv(5)(q15q33.2), and syndromic deafness. <i>American Journal of Medical Genetics, Part A</i> , <b>2009</b> , 149A, 931-8	2.5	33
44	Basal ganglia germinoma with progressive cerebral hemiatrophy. <i>Pediatric Neurology</i> , <b>1999</b> , 20, 312-4	2.9	31
43	Markerless high-frequency prospective motion correction for neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 82, 126-144	4.4	30
42	Long-term developmental outcome of children with a fetal diagnosis of isolated inferior vermian hypoplasia. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2014</b> , 99, F54-8	4.7	30
41	Down syndrome and moyamoya: clinical presentation and surgical management. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2015</b> , 16, 58-63	2.1	26

40	Imaging after direct and indirect extracranial-intracranial bypass surgery. <i>American Journal of Roentgenology</i> , <b>2013</b> , 201, W124-32	5.4	26
39	Chorea in the clinical presentation of moyamoya disease: results of surgical revascularization and a proposed clinicopathological correlation. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2013</b> , 11, 313-9	2.1	25
38	Evaluation of real-time single-shot fast spin-echo MRI for visualization of the fetal midline corpus callosum and secondary palate. <i>American Journal of Roentgenology</i> , <b>2006</b> , 187, 1505-11	5.4	25
37	CT versus MR in neonatal brain imaging at term. <i>Pediatric Radiology</i> , <b>2003</b> , 33, 442-9	2.8	25
36	Outcome of fetuses with cerebral ventriculomegaly and septum pellucidum leaflet abnormalities. <i>American Journal of Roentgenology</i> , <b>2011</b> , 196, W83-92	5.4	22
35	Cerebral infarction in Menkes disease. <i>Pediatric Neurology</i> , <b>2000</b> , 23, 425-8	2.9	21
34	Childhood moyamoya disease: hemodynamic MRI. <i>Pediatric Radiology</i> , <b>1997</b> , 27, 727-35	2.8	20
33	Altered Gray Matter in Adolescents with d-Transposition of the Great Arteries. <i>Journal of Pediatrics</i> , <b>2016</b> , 169, 36-43.e1	3.6	20
32	Cerebellar malformations alter regional cerebral development. <i>Developmental Medicine and Child Neurology</i> , <b>2011</b> , 53, 1128-34	3.3	18
31	Diffusion-weighted imaging of the brain in infants and children. <i>Pediatric Radiology</i> , <b>2007</b> , 37, 749-68	2.8	18
30	Fetal imaging of central nervous system abnormalities. <i>Neuroimaging Clinics of North America</i> , <b>2004</b> , 14, 293-306, viii	3	18
29	Familial intracranial arteriovenous malformations. Case report and review of the literature. <i>Pediatric Neurosurgery</i> , <b>1998</b> , 29, 208-13	0.9	18
28	ACR Appropriateness Criteria Headache-Child. <i>Journal of the American College of Radiology</i> , <b>2018</b> , 15, S78-S90	3.5	17
27	Ultrasound and MRI of fetuses with ventriculomegaly: can cortical development be used to predict postnatal outcome?. <i>American Journal of Roentgenology</i> , <b>2011</b> , 196, 1457-67	5.4	17
26	Surgical management of cutis aplasia with high-flow sinus pericranii. <i>Pediatric Neurosurgery</i> , <b>1998</b> , 28, 79-83	0.9	17
25	Fetal placental thrombosis and neonatal implications. <i>American Journal of Perinatology</i> , <b>2010</b> , 27, 251-6	3.3	16
24	MRI signal changes in the white matter after corpus callosotomy. <i>Pediatric Neurology</i> , <b>1999</b> , 21, 691-5	2.9	14
23	ACR Appropriateness Criteria Sinusitis-Child. <i>Journal of the American College of Radiology</i> , <b>2018</b> , 15, S403-S412	3.5	14

22	Comparison of CBF Measured with Combined Velocity-Selective Arterial Spin-Labeling and Pulsed Arterial Spin-Labeling to Blood Flow Patterns Assessed by Conventional Angiography in Pediatric Moyamoya. <i>American Journal of Neuroradiology</i> , <b>2019</b> , 40, 1842-1849	4.4	12
21	Quality of pediatric abdominal CT scans performed at a dedicated children's hospital and its referring institutions: a multifactorial evaluation. <i>Pediatric Radiology</i> , <b>2017</b> , 47, 391-397	2.8	11
20	Quality measures and pediatric radiology: suggestions for the transition to value-based payment. <i>Pediatric Radiology</i> , <b>2017</b> , 47, 776-782	2.8	11
19	Success of Nonsedated Neuroradiologic MRI in Children 1-7 Years Old. <i>American Journal of Roentgenology</i> , <b>2021</b> , 216, 1370-1377	5.4	11
18	ACR Appropriateness Criteria Back Pain-Child. <i>Journal of the American College of Radiology</i> , <b>2017</b> , 14, S13-S24	3.5	10
17	ACR Appropriateness Criteria Suspected Spine Trauma-Child. <i>Journal of the American College of Radiology</i> , <b>2019</b> , 16, S286-S299	3.5	9
16	Imaging Optimization in Children. <i>Journal of the American College of Radiology</i> , <b>2018</b> , 15, 440-443	3.5	9
15	Transient Focal Neurologic Symptoms Correspond to Regional Cerebral Hypoperfusion by MRI: A Stroke Mimic in Children. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 2199-2202	4.4	9
14	Cerebrospinal Fluid and Parenchymal Brain Development and Growth in the Healthy Fetus. <i>Developmental Neuroscience</i> , <b>2016</b> , 38, 420-429	2.2	8
13	Neuroimaging of Children With Surgically Treated Hydrocephalus: A Practical Approach. <i>American Journal of Roentgenology</i> , <b>2017</b> , 208, 413-419	5.4	6
12	Diffusion imaging in neonates. <i>Neuroimaging Clinics of North America</i> , <b>2002</b> , 12, 55-70	3	6
11	ACR Appropriateness Criteria Scoliosis-Child. <i>Journal of the American College of Radiology</i> , <b>2019</b> , 16, S244-S251	3.5	5
10	Ruptured temporal lobe arachnoid cyst presenting with severe back pain. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2013</b> , 12, 281-3	2.1	5
9	ACR Appropriateness Criteria Head Trauma-Child. <i>Journal of the American College of Radiology</i> , <b>2020</b> , 17, S125-S137	3.5	5
8	BRAIN AGE ESTIMATION USING LSTM ON CHILDREN'S BRAIN MRI <b>2020</b> , 2020, 420-423	1.5	3
7	Brain Magnetic Resonance Image Quality Initiative for Pediatric Neurological Examinations: Sedated versus Nonsedated Children. <i>Journal of Radiology Nursing</i> , <b>2010</b> , 29, 25-28	0.6	3
6	Diagnostic equivalency of fast T2 and FLAIR sequences for pediatric brain MRI: a pilot study. <i>Pediatric Radiology</i> , <b>2020</b> , 50, 550-559	2.8	3
5	ACR Appropriateness Criteria Cerebrovascular Disease-Child. <i>Journal of the American College of Radiology</i> , <b>2020</b> , 17, S36-S54	3.5	2

4 Neonatal Neuroimaging **2012**, 816-843

3 Neonatal Neuroimaging **2005**, 908-937

2 Contrast Agents in Neuroradiological MRI: Current Status **2008**, 150-157

1 Prenatal diagnosis of intraconal lymphatic malformation on fetal magnetic resonance imaging.  
*Journal of AAPOS*, **2020**, 24, 113-115

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