

# Patricia Grant

## List of Publications by Year in descending order

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199  
papers

7,923  
citations

53660

45  
h-index

64668

79  
g-index

209  
all docs

209  
docs citations

209  
times ranked

10001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autosomal recessive lissencephaly with cerebellar hypoplasia is associated with human RELN mutations. <i>Nature Genetics</i> , 2000, 26, 93-96.	9.4	798
2	Patient-Customized Oligonucleotide Therapy for a Rare Genetic Disease. <i>New England Journal of Medicine</i> , 2019, 381, 1644-1652.	13.9	481
3	Evolutionarily Dynamic Alternative Splicing of <i>GPR56</i> Regulates Regional Cerebral Cortical Patterning. <i>Science</i> , 2014, 343, 764-768.	6.0	238
4	Noninvasive optical measures of CBV, StO <sub>2</sub> , CBF index, and rCMRO <sub>2</sub> in human premature neonates' brains in the first six weeks of life. <i>Human Brain Mapping</i> , 2010, 31, 341-352.	1.9	207
5	Pediatric neuroimaging in early childhood and infancy: challenges and practical guidelines. <i>Annals of the New York Academy of Sciences</i> , 2012, 1252, 43-50.	1.8	206
6	Defining the Effect of the 16p11.2 Duplication on Cognition, Behavior, and Medical Comorbidities. <i>JAMA Psychiatry</i> , 2016, 73, 20.	6.0	195
7	WaveCAIPI for highly accelerated 3D imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2152-2162.	1.9	180
8	Diffuse correlation spectroscopy for measurement of cerebral blood flow: future prospects. <i>Neurophotonics</i> , 2014, 1, 011009.	1.7	176
9	Neuroimaging manifestations in children with SARS-CoV-2 infection: a multinational, multicentre collaborative study. <i>The Lancet Child and Adolescent Health</i> , 2021, 5, 167-177.	2.7	166
10	Assessment of Infant Brain Development With Frequency-Domain Near-Infrared Spectroscopy. <i>Pediatric Research</i> , 2007, 61, 546-551.	1.1	160
11	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. <i>Nature</i> , 2018, 556, 370-375.	13.7	127
12	Frequency and Clinical Context of Decreased Apparent Diffusion Coefficient Reversal in the Human Brain. <i>Radiology</i> , 2001, 221, 43-50.	3.6	121
13	Improved magnetic resonance fingerprinting reconstruction with low-rank and subspace modeling. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 933-942.	1.9	113
14	Exploring early human brain development with structural and physiological neuroimaging. <i>NeuroImage</i> , 2019, 187, 226-254.	2.1	110
15	Cerebral Oxygen Metabolism in Neonatal Hypoxic Ischemic Encephalopathy during and after Therapeutic Hypothermia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 87-94.	2.4	105
16	3D GABA imaging with real-time motion correction, shim update and reacquisition of adiabatic spiral MRSI. <i>NeuroImage</i> , 2014, 103, 290-302.	2.1	100
17	Infant FreeSurfer: An automated segmentation and surface extraction pipeline for T1-weighted neuroimaging data of infants 0-2 years. <i>NeuroImage</i> , 2020, 218, 116946.	2.1	96
18	Genetic and neuroradiological heterogeneity of double cortex syndrome. <i>Annals of Neurology</i> , 2000, 47, 265-269.	2.8	94

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19	Cortical Somatosensory Reorganization in Children with Spastic Cerebral Palsy: A Multimodal Neuroimaging Study. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 725.	1.0	90
20	Effects of sutures and fontanels on MEG and EEG source analysis in a realistic infant head model. <i>NeuroImage</i> , 2013, 76, 282-293.	2.1	88
21	Near-Infrared Spectroscopy Assessment of Cerebral Oxygen Metabolism in the Developing Premature Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 481-488.	2.4	85
22	White Matter Alterations in Infants at Risk for Developmental Dyslexia. <i>Cerebral Cortex</i> , 2017, 27, bhv281.	1.6	84
23	Atypical Sulcal Pattern in Children with Developmental Dyslexia and At-Risk Kindergarteners. <i>Cerebral Cortex</i> , 2016, 26, 1138-1148.	1.6	84
24	Increased Cerebral Blood Volume and Oxygen Consumption in Neonatal Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1704-1713.	2.4	82
25	Fetal MRI: A technical update with educational aspirations. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2014, 43, 237-266.	0.2	78
26	Development of cerebellar connectivity in human fetal brains revealed by high angular resolution diffusion tractography. <i>NeuroImage</i> , 2014, 96, 326-333.	2.1	77
27	Radial and tangential neuronal migration pathways in the human fetal brain: Anatomically distinct patterns of diffusion MRI coherence. <i>NeuroImage</i> , 2013, 79, 412-422.	2.1	74
28	Regional Infant Brain Development: An MRI-Based Morphometric Analysis in 3 to 13 Month Olds. <i>Cerebral Cortex</i> , 2013, 23, 2100-2117.	1.6	73
29	Assessment of the frequency-domain multi-distance method to evaluate the brain optical properties: Monte Carlo simulations from neonate to adult. <i>Biomedical Optics Express</i> , 2011, 2, 552.	1.5	71
30	Asymmetry of White Matter Pathways in Developing Human Brains. <i>Cerebral Cortex</i> , 2015, 25, 2883-2893.	1.6	70
31	Somatosensory evoked changes in cerebral oxygen consumption measured non-invasively in premature neonates. <i>NeuroImage</i> , 2014, 85, 279-286.	2.1	69
32	RARE/turbo spin echo imaging with simultaneous multislice Wave-CAIPI. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 929-938.	1.9	68
33	BabyMEG: A whole-head pediatric magnetoencephalography system for human brain development research. <i>Review of Scientific Instruments</i> , 2016, 87, 094301.	0.6	66
34	In Vivo Quantification of Placental Insufficiency by BOLD MRI: A Human Study. <i>Scientific Reports</i> , 2017, 7, 3713.	1.6	66
35	Biallelic mutations in human DCC cause developmental split-brain syndrome. <i>Nature Genetics</i> , 2017, 49, 606-612.	9.4	62
36	Assessing the localization accuracy and clinical utility of electric and magnetic source imaging in children with epilepsy. <i>Clinical Neurophysiology</i> , 2019, 130, 491-504.	0.7	62

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37	Quantitative comparison and analysis of sulcal patterns using sulcal graph matching: A twin study. <i>NeuroImage</i> , 2011, 57, 1077-1086.	2.1	61
38	Sulcal pits and patterns in developing human brains. <i>NeuroImage</i> , 2019, 185, 881-890.	2.1	59
39	Detailed semiautomated MRI based morphometry of the neonatal brain: Preliminary results. <i>NeuroImage</i> , 2006, 32, 1041-1049.	2.1	58
40	Regional and Hemispheric Asymmetries of Cerebral Hemodynamic and Oxygen Metabolism in Newborns. <i>Cerebral Cortex</i> , 2013, 23, 339-348.	1.6	58
41	Radial Coherence of Diffusion Tractography in the Cerebral White Matter of the Human Fetus: Neuroanatomic Insights. <i>Cerebral Cortex</i> , 2014, 24, 579-592.	1.6	58
42	Fetal Brain Volume Predicts Neurodevelopment in Congenital Heart Disease. <i>Circulation</i> , 2022, 145, 1108-1119.	1.6	56
43	Dynamic fetal cardiovascular magnetic resonance imaging using Doppler ultrasound gating. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 17.	1.6	55
44	Current and Emerging Potential of Magnetoencephalography in the Detection and Localization of High-Frequency Oscillations in Epilepsy. <i>Frontiers in Neurology</i> , 2017, 8, 14.	1.1	53
45	Two unique <i>TUBB3</i> mutations cause both CFEOM3 and malformations of cortical development. <i>American Journal of Medical Genetics, Part A</i> , 2016, 170, 297-305.	0.7	51
46	Surgical resection of ripple onset predicts outcome in pediatric epilepsy. <i>Annals of Neurology</i> , 2018, 84, 331-346.	2.8	51
47	Global-Local Transformer for Brain Age Estimation. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 213-224.	5.4	51
48	Single-step quantitative susceptibility mapping with variational penalties. <i>NMR in Biomedicine</i> , 2017, 30, e3570.	1.6	50
49	Regional Brain Growth Trajectories in Fetuses with Congenital Heart Disease. <i>Annals of Neurology</i> , 2021, 89, 143-157.	2.8	49
50	Perioperative cerebral hemodynamics and oxygen metabolism in neonates with single-ventricle physiology. <i>Biomedical Optics Express</i> , 2015, 6, 4749.	1.5	48
51	Markerless high-frequency prospective motion correction for neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 126-144.	1.9	47
52	Reorganization of the somatosensory cortex in hemiplegic cerebral palsy associated with impaired sensory tracts. <i>NeuroImage: Clinical</i> , 2018, 17, 198-212.	1.4	46
53	Associations between the size of the amygdala in infancy and language abilities during the preschool years in normally developing children. <i>NeuroImage</i> , 2010, 49, 2791-2799.	2.1	45
54	Non-invasive Assessment of Cerebral Blood Flow and Oxygen Metabolism in Neonates during Hypothermic Cardiopulmonary Bypass: Feasibility and Clinical Implications. <i>Scientific Reports</i> , 2017, 7, 44117.	1.6	41

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55	Advanced diffusion imaging for assessing normal white matter development in neonates and characterizing aberrant development in congenital heart disease. <i>NeuroImage: Clinical</i> , 2018, 19, 360-373.	1.4	41
56	Reduced cerebral blood flow and oxygen metabolism in extremely preterm neonates with low-grade germinal matrix- intraventricular hemorrhage. <i>Scientific Reports</i> , 2016, 6, 25903.	1.6	40
57	Early-Emerging Sulcal Patterns Are Atypical in Fetuses with Congenital Heart Disease. <i>Cerebral Cortex</i> , 2019, 29, 3605-3616.	1.6	40
58	Quantitative In vivo MRI Assessment of Structural Asymmetries and Sexual Dimorphism of Transient Fetal Compartments in the Human Brain. <i>Cerebral Cortex</i> , 2020, 30, 1752-1767.	1.6	40
59	Detection of postmortem human cerebellar cortex and white matter pathways using high angular resolution diffusion tractography: A feasibility study. <i>NeuroImage</i> , 2013, 68, 105-111.	2.1	39
60	Shedding light on the neonatal brain: probing cerebral hemodynamics by diffuse optical spectroscopic methods. <i>Scientific Reports</i> , 2017, 7, 15786.	1.6	37
61	Quantification and Discrimination of Abnormal Sulcal Patterns in Polymicrogyria. <i>Cerebral Cortex</i> , 2013, 23, 3007-3015.	1.6	36
62	Altered Structural Brain Networks in Tuberous Sclerosis Complex. <i>Cerebral Cortex</i> , 2016, 26, 2046-2058.	1.6	36
63	Neuroimaging of the Preterm Brain: Review and Recommendations. <i>Journal of Pediatrics</i> , 2021, 237, 276-287.e4.	0.9	36
64	A quantitative method for correlating observations of decreased apparent diffusion coefficient with elevated cerebral blood perfusion in newborns presenting cerebral ischemic insults. <i>NeuroImage</i> , 2012, 63, 1510-1518.	2.1	35
65	Scalp ripples as prognostic biomarkers of epileptogenicity in pediatric surgery. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 329-342.	1.7	35
66	Acute Injury to the Immature Brain with Hypoxia with or Without Hypoperfusion. <i>Radiologic Clinics of North America</i> , 2006, 44, 63-77.	0.9	33
67	Quantitative Folding Pattern Analysis of Early Primary Sulci in Human Fetuses with Brain Abnormalities. <i>American Journal of Neuroradiology</i> , 2017, 38, 1449-1455.	1.2	31
68	Using clinically acquired MRI to construct age-specific ADC atlases: Quantifying spatiotemporal ADC changes from birth to 6-year old. <i>Human Brain Mapping</i> , 2017, 38, 3052-3068.	1.9	31
69	Frequency Diffeomorphisms for Efficient Image Registration. <i>Lecture Notes in Computer Science</i> , 2017, 10265, 559-570.	1.0	31
70	The relationship between the presence of sulcal pits and intelligence in human brains. <i>NeuroImage</i> , 2011, 55, 1490-1496.	2.1	30
71	Non-invasive Optical Measurement of Cerebral Metabolism and Hemodynamics in Infants. <i>Journal of Visualized Experiments</i> , 2013, , e4379.	0.2	30
72	Arterial Spin Labeling Perfusion Magnetic Resonance Imaging Performed in Acute Perinatal Stroke Reveals Hyperperfusion Associated With Ischemic Injury. <i>Stroke</i> , 2016, 47, 1514-1519.	1.0	30

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73	Disorganized Patterns of Sulcal Position in Fetal Brains with Agenesis of Corpus Callosum. <i>Cerebral Cortex</i> , 2018, 28, 3192-3203.	1.6	30
74	Multi-channel attention-fusion neural network for brain age estimation: Accuracy, generality, and interpretation with 16,705 healthy MRIs across lifespan. <i>Medical Image Analysis</i> , 2021, 72, 102091.	7.0	30
75	Altered white matter connectivity and network organization in polymicrogyria revealed by individual gyral topology-based analysis. <i>NeuroImage</i> , 2014, 86, 182-193.	2.1	29
76	Detecting microstructural white matter abnormalities of frontal pathways in children with ADHD using advanced diffusion models. <i>Brain Imaging and Behavior</i> , 2020, 14, 981-997.	1.1	29
77	Noninvasive Mapping of Ripple Onset Predicts Outcome in Epilepsy Surgery. <i>Annals of Neurology</i> , 2021, 89, 911-925.	2.8	29
78	Placental MRI: Effect of maternal position and uterine contractions on placental BOLD MRI measurements. <i>Placenta</i> , 2020, 95, 69-77.	0.7	27
79	Localization of the Epileptogenic Foci in Tuberous Sclerosis Complex: A Pediatric Case Report. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 175.	1.0	26
80	Ictal and interictal source imaging on intracranial EEG predicts epilepsy surgery outcome in children with focal cortical dysplasia. <i>Clinical Neurophysiology</i> , 2020, 131, 734-743.	0.7	26
81	Spatiotemporal alignment of in utero BOLD-fMRI series. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 403-412.	1.9	25
82	System-Specific Patterns of Thalamocortical Connectivity in Early Brain Development as Revealed by Structural and Functional MRI. <i>Cerebral Cortex</i> , 2019, 29, 1218-1229.	1.6	24
83	Quantitative MRI Analyses of Regional Brain Growth in Living Fetuses with Down Syndrome. <i>Cerebral Cortex</i> , 2020, 30, 382-390.	1.6	24
84	Placental MRI. <i>Topics in Magnetic Resonance Imaging</i> , 2019, 28, 285-297.	0.7	23
85	Abnormalities in cerebral hemodynamics and changes with surgical intervention in neonates with congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 2012-2021.	0.4	23
86	Presurgical accuracy of dipole clustering in MRI-negative pediatric patients with epilepsy: Validation against intracranial EEG and resection. <i>Clinical Neurophysiology</i> , 2022, 141, 126-138.	0.7	23
87	TRActs constrained by UnderLying INfant anatomy (TRACULInA): An automated probabilistic tractography tool with anatomical priors for use in the newborn brain. <i>NeuroImage</i> , 2019, 199, 1-17.	2.1	22
88	Spatiotemporal Differences in the Regional Cortical Plate and Subplate Volume Growth during Fetal Development. <i>Cerebral Cortex</i> , 2020, 30, 4438-4453.	1.6	22
89	Diffusion Propagator Estimation from Sparse Measurements in a Tractography Framework. <i>Lecture Notes in Computer Science</i> , 2013, 16, 510-517.	1.0	22
90	Reliable Identification of Deep Sulcal Pits: The Effects of Scan Session, Scanner, and Surface Extraction Tool. <i>PLoS ONE</i> , 2013, 8, e53678.	1.1	22

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91	Field of View Normalization in Multi-Site Brain MRI. <i>Neuroinformatics</i> , 2018, 16, 431-444.	1.5	20
92	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> , 2019, 40, 1842-1849.	1.2	20
93	Voxelwise and Regional Brain Apparent Diffusion Coefficient Changes on MRI from Birth to 6 Years of Age. <i>Radiology</i> , 2021, 298, 415-424.	3.6	19
94	Clinical and Functional Characterization of the Recurrent TUBA1A p.(Arg2His) Mutation. <i>Brain Sciences</i> , 2018, 8, 145.	1.1	18
95	Maturation of Corticospinal Tracts in Children With Hemiplegic Cerebral Palsy Assessed by Diffusion Tensor Imaging and Transcranial Magnetic Stimulation. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 254.	1.0	18
96	White matter in infancy is prospectively associated with language outcomes in kindergarten. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100973.	1.9	18
97	Fetal Pose Estimation in Volumetric MRI Using a 3D Convolution Neural Network. <i>Lecture Notes in Computer Science</i> , 2019, 11767, 403-410.	1.0	18
98	Longitudinal Changes in Diffusion Properties in White Matter Pathways of Children With Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2015, 52, 615-623.	1.0	17
99	MNE Scan: Software for real-time processing of electrophysiological data. <i>Journal of Neuroscience Methods</i> , 2018, 303, 55-67.	1.3	17
100	Automatic labeling of cortical sulci for the human fetal brain based on spatio-temporal information of gyrification. <i>NeuroImage</i> , 2019, 188, 473-482.	2.1	17
101	Abnormal Left-Hemispheric Sulcal Patterns Correlate with Neurodevelopmental Outcomes in Subjects with Single Ventricular Congenital Heart Disease. <i>Cerebral Cortex</i> , 2020, 30, 476-487.	1.6	17
102	Imaging the Developing Epileptic Brain. <i>Epilepsia</i> , 2005, 46, 7-14.	2.6	16
103	Acute Injury to the Immature Brain with Hypoxia with or Without Hypoperfusion. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2006, 14, 271-285.	0.6	15
104	MR Imaging of the Term and Preterm Neonate with Diffuse Brain Injury. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2011, 19, 709-731.	0.6	15
105	Longitudinal Changes in Magnetic Resonance Spectroscopy in Pediatric Concussion: A Pilot Study. <i>Frontiers in Neurology</i> , 2019, 10, 556.	1.1	15
106	Maternal Dietary Intake of Omega-3 Fatty Acids Correlates Positively with Regional Brain Volumes in 1-Month-Old Term Infants. <i>Cerebral Cortex</i> , 2020, 30, 2057-2069.	1.6	15
107	Fetal Cortical Plate Segmentation Using Fully Convolutional Networks With Multiple Plane Aggregation. <i>Frontiers in Neuroscience</i> , 2020, 14, 591683.	1.4	15
108	Cortical Folding Development Study based on Over-Complete Spherical Wavelets. , 2007, 2007, .		14

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109	ChRIS- A web-based neuroimaging and informatics system for collecting, organizing, processing, visualizing and sharing of medical data. , 2015, 2015, 206-9.		14
110	Mining multi-site clinical data to develop machine learning MRI biomarkers: application to neonatal hypoxic ischemic encephalopathy. Journal of Translational Medicine, 2019, 17, 385.	1.8	14
111	Structural MR Imaging. Epilepsia, 2004, 45, 4-16.	2.6	13
112	Brain extraction in pediatric ADC maps, toward characterizing neuro-development in multi-platform and multi-institution clinical images. NeuroImage, 2015, 122, 246-261.	2.1	13
113	Altered White Matter Organization in the TUBB3 E410K Syndrome. Cerebral Cortex, 2019, 29, 3561-3576.	1.6	13
114	Altered structural brain connectivity involving the dorsal and ventral language pathways in 16p11.2 deletion syndrome. Brain Imaging and Behavior, 2019, 13, 430-445.	1.1	13
115	Heterozygous Variants in KDM4B Lead to Global Developmental Delay and Neuroanatomical Defects. American Journal of Human Genetics, 2020, 107, 1170-1177.	2.6	13
116	Temporal Patterns of Emergence and Spatial Distribution of Sulcal Pits During Fetal Life. Cerebral Cortex, 2020, 30, 4257-4268.	1.6	13
117	Regional Alterations in Cortical Sulcal Depth in Living Fetuses with Down Syndrome. Cerebral Cortex, 2021, 31, 757-767.	1.6	13
118	Individual variation in simulated fetal SAR assessed in multiple body models. Magnetic Resonance in Medicine, 2020, 83, 1418-1428.	1.9	12
119	Functional Connectivity in Infancy and Toddlerhood Predicts Long-Term Language and Preliteracy Outcomes. Cerebral Cortex, 2022, 32, 725-736.	1.6	12
120	Development, validation, and pilot MRI safety study of a high-resolution, open source, whole body pediatric numerical simulation model. PLoS ONE, 2021, 16, e0241682.	1.1	12
121	Quantitative Apparent Diffusion Coefficient Mapping May Predict Seizure Onset in Children With Sturge-Weber Syndrome. Pediatric Neurology, 2018, 84, 32-38.	1.0	11
122	Targeting human milk fortification to improve very preterm infant growth and brain development: study protocol for Nourish, a single-center randomized, controlled clinical trial. BMC Pediatrics, 2021, 21, 167.	0.7	11
123	Association between Quantitative MR Markers of Cortical Evolving Organization and Gene Expression during Human Prenatal Brain Development. Cerebral Cortex, 2021, 31, 3610-3621.	1.6	11
124	Comparison of prospective and retrospective motion correction in 3D-encoded neuroanatomical MRI. Magnetic Resonance in Medicine, 2022, 87, 629-645.	1.9	11
125	Semi-supervised Learning for Fetal Brain MRI Quality Assessment with ROI Consistency. Lecture Notes in Computer Science, 2020, , 386-395.	1.0	11
126	Automated detection and reacquisition of motion-degraded images in fetal HASTE imaging at 3 T. Magnetic Resonance in Medicine, 2022, 87, 1914-1922.	1.9	11



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127	Application of new MR techniques in pediatric patients. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2003, 11, 493-522.	0.6	10
128	Encephalopathy in neonates with subgaleal hemorrhage is a key predictor of outcome. <i>Pediatric Research</i> , 2019, 86, 234-241.	1.1	10
129	Noninvasive Localization of High-Frequency Oscillations in Children with Epilepsy: Validation against Intracranial Gold-Standard. , 2019, 2019, 1555-1558.		10
130	Longitudinal structural connectomic and rich-club analysis in adolescent mTBI reveals persistent, distributed brain alterations acutely through to one year post-injury. <i>Scientific Reports</i> , 2019, 9, 18833.	1.6	10
131	GABA Transaminase Deficiency With Survival Into Adulthood. <i>Journal of Child Neurology</i> , 2019, 34, 216-220.	0.7	10
132	Placental MRI: Development of an MRI compatible ex vivo system for whole placenta dual perfusion. <i>Placenta</i> , 2020, 101, 4-12.	0.7	10
133	Clinical experience with an in-NICU magnetic resonance imaging system. <i>Journal of Perinatology</i> , 2022, 42, 873-879.	0.9	10
134	Can cerebellar and brainstem apparent diffusion coefficient (ADC) values predict neuromotor outcome in term neonates with hypoxic-ischemic encephalopathy (HIE) treated with hypothermia?. <i>PLoS ONE</i> , 2017, 12, e0178510.	1.1	9
135	Network structural dependency in the human connectome across the life-span. <i>Network Neuroscience</i> , 2019, 3, 792-806.	1.4	9
136	Altered White Matter Connectivity Associated with Intergyrar Brain Disorganization in Hemiplegic Cerebral Palsy. <i>Neuroscience</i> , 2019, 399, 146-160.	1.1	9
137	Changes in the Functional Brain Network of Children Undergoing Repeated Epilepsy Surgery: An EEG Source Connectivity Study. <i>Diagnostics</i> , 2021, 11, 1234.	1.3	9
138	Placental Flattening via Volumetric Parameterization. <i>Lecture Notes in Computer Science</i> , 2019, 11767, 39-47.	1.0	9
139	Optimal Method for Fetal Brain Age Prediction Using Multiplanar Slices From Structural Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2021, 15, 714252.	1.4	9
140	Abnormal development of transient fetal zones in mild isolated fetal ventriculomegaly. <i>Cerebral Cortex</i> , 2023, 33, 1130-1139.	1.6	9
141	The Potential for Advanced Magnetic Resonance Neuroimaging Techniques in Pediatric Stroke Research. <i>Pediatric Neurology</i> , 2017, 69, 24-36.	1.0	8
142	Probabilistic tractography-based thalamic parcellation in healthy newborns and newborns with congenital heart disease. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1626-1637.	1.9	8
143	Nutritive sucking abnormalities and brain microstructural abnormalities in infants with established brain injury: a pilot study. <i>Journal of Perinatology</i> , 2019, 39, 1498-1508.	0.9	8
144	Preliminary evaluation of dynamic glucose enhanced MRI of the human placenta during glucose tolerance test. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1619-1627.	1.1	8

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145	Abnormal Leftâ€Hemispheric Sulcal Patterns in Adults With Simple Congenital Heart Defects Repaired in Childhood. <i>Journal of the American Heart Association</i> , 2021, 10, e018580.	1.6	8
146	Ageâ€related topographic map of magnetic resonance diffusion metrics in neonatal brains. <i>Human Brain Mapping</i> , 2022, 43, 4326-4334.	1.9	8
147	Identification of neuronal structures and pathways corresponding to clinical functioning in galactosemia. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1205-1218.	1.7	7
148	Rapid headâ€pose detection for automated slice prescription of fetalâ€brain <scp>MRI</scp>. <i>International Journal of Imaging Systems and Technology</i> , 2021, 31, 1136-1154.	2.7	7
149	Quantification of magnetic resonance spectroscopy data using a combined reference: Application in typically developing infants. <i>NMR in Biomedicine</i> , 2021, 34, e4520.	1.6	7
150	Temporal Registration in In-Utero Volumetric MRI Time Series. <i>Lecture Notes in Computer Science</i> , 2016, 9902, 54-62.	1.0	7
151	Real-time multi-channel monitoring of burst-suppression using neural network technology during pediatric status epilepticus treatment. <i>Clinical Neurophysiology</i> , 2016, 127, 2820-2831.	0.7	6
152	Assessing the effects of subject motion on T<sub>2</sub> relaxation under spin tagging (TRUST) cerebral oxygenation measurements using volume navigators. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2283-2289.	1.9	6
153	Restingâ€State fMRI Networks in Children with Tuberous Sclerosis Complex. <i>Journal of Neuroimaging</i> , 2019, 29, 750-759.	1.0	6
154	Brain Age Estimation Using LSTM on Children's Brain MRI. , 2020, 2020, 420-423.		6
155	Intergenerational Transmission of Cortical Sulcal Patterns from Mothers to their Children. <i>Cerebral Cortex</i> , 2021, 31, 1888-1897.	1.6	6
156	Time Efficiency and Diagnostic Agreement of 2-D Versus 3-D Ultrasound Acquisition of the Neonatal Brain. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 1804-1809.	0.7	5
157	Editorial on emerging neuroimaging tools for studying normal and abnormal human brain development. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 127.	1.0	5
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