Patricia Grant

List of Publications by Year
in descending order

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	Abnormal development of transient fetal zones in mild isolated fetal ventriculomegaly. Cerebral Cortex, 2023, 33, 1130-1139.	1.6	9
2	Functional Connectivity in Infancy and Toddlerhood Predicts Long-Term Language and Preliteracy Outcomes. Cerebral Cortex, 2022, 32, 725-736.	1.6	12
3	Presurgical accuracy of dipole clustering in MRI-negative pediatric patients with epilepsy: Validation against intracranial EEG and resection. Clinical Neurophysiology, 2022, 141, 126-138.	0.7	23
4	Comparison of prospective and retrospective motion correction in 3D–encoded neuroanatomical MRI. Magnetic Resonance in Medicine, 2022, 87, 629-645.	1.9	11
5	Global-Local Transformer for Brain Age Estimation. IEEE Transactions on Medical Imaging, 2022, 41, 213-224.	5.4	51
6	Edited magnetic resonance spectroscopy in the neonatal brain. Neuroradiology, 2022, 64, 217-232.	1.1	2
7	Volumetric Parameterization of the Placenta to a Flattened Template. IEEE Transactions on Medical Imaging, 2022, 41, 925-936.	5.4	3
8	Improving Infant Hydrocephalus Outcomes in Uganda: A Longitudinal Prospective Study Protocol for Predicting Developmental Outcomes and Identifying Patients at Risk for Early Treatment Failure after ETV/CPC. Metabolites, 2022, 12, 78.	1.3	2
9	Fetal Brain Volume Predicts Neurodevelopment in Congenital Heart Disease. Circulation, 2022, 145, 1108-1119.	1.6	56
10	Regional brain development in fetuses with Dandy-Walker malformation: A volumetric fetal brain magnetic resonance imaging study. PLoS ONE, 2022, 17, e0263535.	1.1	3
11	Assessment of Maternal Macular Pigment Optical Density (MPOD) as a Potential Marker for Dietary Carotenoid Intake during Lactation in Humans. Nutrients, 2022, 14, 182.	1.7	3
12	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
13	Novel User-Friendly Application for MRI Segmentation of Brain Resection following Epilepsy Surgery. Diagnostics, 2022, 12, 1017.	1.3	5
14	Magnetic resonance imaging metrics of oxygen extraction fraction: Contradictions or insight into pathophysiological mechanisms?. American Journal of Hematology, 2022, , .	2.0	1
15	Clinical experience with an in-NICU magnetic resonance imaging system. Journal of Perinatology, 2022, 42, 873-879.	0.9	10
16	Deep learning of birth-related infant clavicle fractures: a potential virtual consultant for fracture dating. Pediatric Radiology, 2022, 52, 2206-2214.	1.1	3
17	Age–related topographic map of magnetic resonance diffusion metrics in neonatal brains. Human Brain Mapping, 2022, 43, 4326-4334.	1.9	8
18	Increased Breastfeeding Proportion Is Associated with Improved Gross Motor Skills at 3–5 Years of Age: A Pilot Study. Nutrients, 2022, 14, 2215.	1.7	2

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19	Regional Brain Growth Trajectories in Fetuses with Congenital Heart Disease. Annals of Neurology, 2021, 89, 143-157.	2.8	49
20	Intergenerational Transmission of Cortical Sulcal Patterns from Mothers to their Children. Cerebral Cortex, 2021, 31, 1888-1897.	1.6	6
21	Voxelwise and Regional Brain Apparent Diffusion Coefficient Changes on MRI from Birth to 6 Years of Age. Radiology, 2021, 298, 415-424.	3.6	19
22	Neuroimaging manifestations in children with SARS-CoV-2 infection: a multinational, multicentre collaborative study. The Lancet Child and Adolescent Health, 2021, 5, 167-177.	2.7	166
23	Regional Alterations in Cortical Sulcal Depth in Living Fetuses with Down Syndrome. Cerebral Cortex, 2021, 31, 757-767.	1.6	13
24	Numerical Simulation of the Radiofrequency Safety of 128-Channel hd-EEG Nets on a 29-Month-Old Whole-Body Model in a 3 Tesla MRI. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1748-1756.	1.4	4
25	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
26	Rapid head‐pose detection for automated slice prescription of fetal‐brain <scp>MRI</scp>. International Journal of Imaging Systems and Technology, 2021, 31, 1136-1154.	2.7	7
27	Abnormal Left‐Hemispheric Sulcal Patterns in Adults With Simple Congenital Heart Defects Repaired in Childhood. Journal of the American Heart Association, 2021, 10, e018580.	1.6	8
28	Noninvasive Mapping of Ripple Onset Predicts Outcome in Epilepsy Surgery. Annals of Neurology, 2021, 89, 911-925.	2.8	29
29	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
30	Quantification of magnetic resonance spectroscopy data using a combined reference: Application in typically developing infants. NMR in Biomedicine, 2021, 34, e4520.	1.6	7
31	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
32	Abnormal Right-Hemispheric Sulcal Patterns Correlate with Executive Function in Adolescents with Tetralogy of Fallot. Cerebral Cortex, 2021, 31, 4670-4680.	1.6	4
33	Changes in the Functional Brain Network of Children Undergoing Repeated Epilepsy Surgery: An EEG Source Connectivity Study. Diagnostics, 2021, 11, 1234.	1.3	9
34	Safety and imaging performance of two‐channel RF shimming for fetal MRI at 3T. Magnetic Resonance in Medicine, 2021, 86, 2810-2821.	1.9	3
35	Multi-channel attention-fusion neural network for brain age estimation: Accuracy, generality, and interpretation with 16,705 healthy MRIs across lifespan. Medical Image Analysis, 2021, 72, 102091.	7.0	30
36	White matter in infancy is prospectively associated with language outcomes in kindergarten. Developmental Cognitive Neuroscience, 2021, 50, 100973.	1.9	18

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37	Neuroimaging of the Preterm Brain: Review and Recommendations. Journal of Pediatrics, 2021, 237, 276-287.e4.	0.9	36
38	Quantitative T1 and T2 mapping by magnetic resonance fingerprinting (MRF) of the placenta before and after maternal hyperoxia. Placenta, 2021, 114, 124-132.	0.7	4
39	STRESS: Super-Resolution for Dynamic Fetal MRI Using Self-supervised Learning. Lecture Notes in Computer Science, 2021, , 197-206.	1.0	5
40	Optimal Method for Fetal Brain Age Prediction Using Multiplanar Slices From Structural Magnetic Resonance Imaging. Frontiers in Neuroscience, 2021, 15, 714252.	1.4	9
41	Fetal Neuroimaging Updates. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 557-581.	0.6	5
42	Risk of abnormal outcomes based on basic and advanced MRI measurements. Advances in Magnetic Resonance Technology and Applications, 2021, 2, 467-499.	0.0	0
43	Abnormal Left-Hemispheric Sulcal Patterns Correlate with Neurodevelopmental Outcomes in Subjects with Single Ventricular Congenital Heart Disease. Cerebral Cortex, 2020, 30, 476-487.	1.6	17
44	Detecting microstructural white matter abnormalities of frontal pathways in children with ADHD using advanced diffusion models. Brain Imaging and Behavior, 2020, 14, 981-997.	1.1	29
45	Quantitative In vivo MRI Assessment of Structural Asymmetries and Sexual Dimorphism of Transient Fetal Compartments in the Human Brain. Cerebral Cortex, 2020, 30, 1752-1767.	1.6	40
46	Quantitative MRI Analyses of Regional Brain Growth in Living Fetuses with Down Syndrome. Cerebral Cortex, 2020, 30, 382-390.	1.6	24
47	Abnormalities in cerebral hemodynamics and changes with surgical intervention in neonates with congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2012-2021.	0.4	23
48	Maternal Dietary Intake of Omega-3 Fatty Acids Correlates Positively with Regional Brain Volumes in 1-Month-Old Term Infants. Cerebral Cortex, 2020, 30, 2057-2069.	1.6	15
49	Individual variation in simulated fetal SAR assessed in multiple body models. Magnetic Resonance in Medicine, 2020, 83, 1418-1428.	1.9	12
50	*De novo* variants in *MPP5* cause global developmental delay and behavioral changes. Human Molecular Genetics, 2020, 29, 3388-3401.	1.4	5
51	Heterozygous Variants in KDM4B Lead to Global Developmental Delay and Neuroanatomical Defects. American Journal of Human Genetics, 2020, 107, 1170-1177.	2.6	13
52	Placental MRI: Development of an MRI compatible ex vivo system for whole placenta dual perfusion. Placenta, 2020, 101, 4-12.	0.7	10
53	Brain Characteristics Noted Prior to and Following Cranial Orthotic Treatment. Child Neurology Open, 2020, 7, 2329048X2094976.	0.5	4
54	Fetal Cortical Plate Segmentation Using Fully Convolutional Networks With Multiple Plane Aggregation. Frontiers in Neuroscience, 2020, 14, 591683.	1.4	15

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55	Early exit from neonatal therapeutic hypothermia: A single institution experience using MRI to guide decision-making. Journal of Neonatal-Perinatal Medicine, 2020, 13, 441-447.	0.4	2
56	Spatiotemporal Differences in the Regional Cortical Plate and Subplate Volume Growth during Fetal Development. Cerebral Cortex, 2020, 30, 4438-4453.	1.6	22
57	Identification of neuronal structures and pathways corresponding to clinical functioning in galactosemia. Journal of Inherited Metabolic Disease, 2020, 43, 1205-1218.	1.7	7
58	Brain Age Estimation Using LSTM on Children's Brain MRI. , 2020, 2020, 420-423.		6
59	A phenotypically severe, biochemically â€œsilentâ€•case of HIBCH deficiency in a newborn diagnosed by rapid whole exome sequencing and enzymatic testing. American Journal of Medical Genetics, Part A, 2020, 182, 780-784.	0.7	4
60	Scalp ripples as prognostic biomarkers of epileptogenicity in pediatric surgery. Annals of Clinical and Translational Neurology, 2020, 7, 329-342.	1.7	35
61	Ictal and interictal source imaging on intracranial EEG predicts epilepsy surgery outcome in children with focal cortical dysplasia. Clinical Neurophysiology, 2020, 131, 734-743.	0.7	26
62	Temporal Patterns of Emergence and Spatial Distribution of Sulcal Pits During Fetal Life. Cerebral Cortex, 2020, 30, 4257-4268.	1.6	13
63	Placental MRI: Effect of maternal position and uterine contractions on placental BOLD MRI measurements. Placenta, 2020, 95, 69-77.	0.7	27
64	An Atypical Sulcal Pattern in Children with Disorders of the Corpus Callosum and Its Relation to Behavioral Outcomes. Cerebral Cortex, 2020, 30, 4790-4799.	1.6	3
65	Infant FreeSurfer: An automated segmentation and surface extraction pipeline for T1-weighted neuroimaging data of infants 0â€"2 years. NeuroImage, 2020, 218, 116946.	2.1	96
66	Enhanced Detection of Fetal Pose in 3D MRI by Deep Reinforcement Learning with Physical Structure Priors on Anatomy. Lecture Notes in Computer Science, 2020, , 396-405.	1.0	4
67	3D Fetal Pose Estimation with Adaptive Variance and Conditional Generative Adversarial Network. Lecture Notes in Computer Science, 2020, , 201-210.	1.0	2
68	Semi-supervised Learning for Fetal Brain MRI Quality Assessment with ROI Consistency. Lecture Notes in Computer Science, 2020, , 386-395.	1.0	11
69	Longitudinal Monitoring of Cerebral Metabolism in Neonates at Risk for Hypoxic-Ischemic Encephalopathy. , 2020, , .		0
70	Abstract 14655: Diffusion Neuroimaging of Adults With D-Transposition of the Great Arteries Reveal White Matter Alterations in the Connectomic Rich Club. Circulation, 2020, 142, .	1.6	0
71	Exploring early human brain development with structural and physiological neuroimaging. NeuroImage, 2019, 187, 226-254.	2.1	110
72	Restingâ€State fMRI Networks in Children with Tuberous Sclerosis Complex. Journal of Neuroimaging, 2019, 29, 750-759.	1.0	6

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73	Maturation of Corticospinal Tracts in Children With Hemiplegic Cerebral Palsy Assessed by Diffusion Tensor Imaging and Transcranial Magnetic Stimulation. Frontiers in Human Neuroscience, 2019, 13, 254.	1.0	18
74	Longitudinal Changes in Magnetic Resonance Spectroscopy in Pediatric Concussion: A Pilot Study. Frontiers in Neurology, 2019, 10, 556.	1.1	15
75	Patient-Customized Oligonucleotide Therapy for a Rare Genetic Disease. New England Journal of Medicine, 2019, 381, 1644-1652.	13.9	481
76	Network structural dependency in the human connectome across the life-span. Network Neuroscience, 2019, 3, 792-806.	1.4	9
77	Nutritive sucking abnormalities and brain microstructural abnormalities in infants with established brain injury: a pilot study. Journal of Perinatology, 2019, 39, 1498-1508.	0.9	8
78	TRActs constrained by UnderLying INfant anatomy (TRACULInA): An automated probabilistic tractography tool with anatomical priors for use in the newborn brain. NeuroImage, 2019, 199, 1-17.	2.1	22
79	Encephalopathy in neonates with subgaleal hemorrhage is a key predictor of outcome. Pediatric Research, 2019, 86, 234-241.	1.1	10
80	A novel missense mutation in *TFAP2B* associated with Char syndrome and central diabetes insipidus. American Journal of Medical Genetics, Part A, 2019, 179, 1299-1303.	0.7	4
81	Markerless high‐frequency prospective motion correction for neuroanatomical MRI. Magnetic Resonance in Medicine, 2019, 82, 126-144.	1.9	47
82	Assessing the localization accuracy and clinical utility of electric and magnetic source imaging in children with epilepsy. Clinical Neurophysiology, 2019, 130, 491-504.	0.7	62
83	Preliminary evaluation of dynamic glucose enhanced MRI of the human placenta during glucose tolerance test. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1619-1627.	1.1	8
84	Placental MRI. Topics in Magnetic Resonance Imaging, 2019, 28, 285-297.	0.7	23
85	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. American Journal of Neuroradiology, 2019, 40, 1842-1849.	1.2	20
86	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
87	Noninvasive Localization of High-Frequency Oscillations in Children with Epilepsy: Validation against Intracranial Gold-Standard. , 2019, 2019, 1555-1558.		10
88	Longitudinal structural connectomic and rich-club analysis in adolescent mTBI reveals persistent, distributed brain alterations acutely through to one year post-injury. Scientific Reports, 2019, 9, 18833.	1.6	10
89	Altered White Matter Connectivity Associated with Intergyral Brain Disorganization in Hemiplegic Cerebral Palsy. Neuroscience, 2019, 399, 146-160.	1.1	9
90	Automatic labeling of cortical sulci for the human fetal brain based on spatio-temporal information of gyrification. NeuroImage, 2019, 188, 473-482.	2.1	17

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91	GABA Transaminase Deficiency With Survival Into Adulthood. Journal of Child Neurology, 2019, 34, 216-220.	0.7	10
92	Altered White Matter Organization in the TUBB3 E410K Syndrome. Cerebral Cortex, 2019, 29, 3561-3576.	1.6	13
93	Early-Emerging Sulcal Patterns Are Atypical in Fetuses with Congenital Heart Disease. Cerebral Cortex, 2019, 29, 3605-3616.	1.6	40
94	Sulcal pits and patterns in developing human brains. NeuroImage, 2019, 185, 881-890.	2.1	59
95	System-Specific Patterns of Thalamocortical Connectivity in Early Brain Development as Revealed by Structural and Functional MRI. Cerebral Cortex, 2019, 29, 1218-1229.	1.6	24
96	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
97	Fetal Pose Estimation in Volumetric MRI Using a 3D Convolution Neural Network. Lecture Notes in Computer Science, 2019, 11767, 403-410.	1.0	18
98	Placental Flattening via Volumetric Parameterization. Lecture Notes in Computer Science, 2019, 11767, 39-47.	1.0	9
99	Quantitative Apparent Diffusion Coefficient Mapping May Predict Seizure Onset in Children With Sturge-Weber Syndrome. Pediatric Neurology, 2018, 84, 32-38.	1.0	11
100	MNE Scan: Software for real-time processing of electrophysiological data. Journal of Neuroscience Methods, 2018, 303, 55-67.	1.3	17
101	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. Nature, 2018, 556, 370-375.	13.7	127
102	Field of View Normalization in Multi-Site Brain MRI. Neuroinformatics, 2018, 16, 431-444.	1.5	20
103	Improved magnetic resonance fingerprinting reconstruction with low€rank and subspace modeling. Magnetic Resonance in Medicine, 2018, 79, 933-942.	1.9	113
104	Probabilistic tractography€based thalamic parcellation in healthy newborns and newborns with congenital heart disease. Journal of Magnetic Resonance Imaging, 2018, 47, 1626-1637.	1.9	8
105	Reorganization of the somatosensory cortex in hemiplegic cerebral palsy associated with impaired sensory tracts. NeuroImage: Clinical, 2018, 17, 198-212.	1.4	46
106	Disorganized Patterns of Sulcal Position in Fetal Brains with Agenesis of Corpus Callosum. Cerebral Cortex, 2018, 28, 3192-3203.	1.6	30
107	Advanced diffusion imaging for assessing normal white matter development in neonates and characterizing aberrant development in congenital heart disease. NeuroImage: Clinical, 2018, 19, 360-373.	1.4	41
108	T161. Correlating magnetoencephalography (MEG) and high-density electroencephalography (EEG) with invasive recordings in pediatric patients undergoing epilepsy surgery. Clinical Neurophysiology, 2018, 129, e64-e65.	0.7	0

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109	Surgical resection of ripple onset predicts outcome in pediatric epilepsy. Annals of Neurology, 2018, 84, 331-346.	2.8	51
110	Dynamic fetal cardiovascular magnetic resonance imaging using Doppler ultrasound gating. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 17.	1.6	55
111	Clinical and Functional Characterization of the Recurrent TUBA1A p.(Arg2His) Mutation. Brain Sciences, 2018, 8, 145.	1.1	18
112	White Matter Alterations in Infants at Risk for Developmental Dyslexia. Cerebral Cortex, 2017, 27, bhv281.	1.6	84
113	Single‐step quantitative susceptibility mapping with variational penalties. NMR in Biomedicine, 2017, 30, e3570.	1.6	50
114	The Potential for Advanced Magnetic Resonance Neuroimaging Techniques in Pediatric Stroke Research. Pediatric Neurology, 2017, 69, 24-36.	1.0	8
115	Non-invasive Assessment of Cerebral Blood Flow and Oxygen Metabolism in Neonates during Hypothermic Cardiopulmonary Bypass: Feasibility and Clinical Implications. Scientific Reports, 2017, 7, 44117.	1.6	41
116	Biallelic mutations in human DCC cause developmental split-brain syndrome. Nature Genetics, 2017, 49, 606-612.	9.4	62
117	Spatiotemporal alignment of in utero BOLD‐MRI series. Journal of Magnetic Resonance Imaging, 2017, 46, 403-412.	1.9	25
118	Assessing the effects of subject motion on T_2 relaxation under spin tagging (TRUST) cerebral oxygenation measurements using volume navigators. Magnetic Resonance in Medicine, 2017, 78, 2283-2289.	1.9	6
119	In Vivo Quantification of Placental Insufficiency by BOLD MRI: A Human Study. Scientific Reports, 2017, 7, 3713.	1.6	66
120	Quantitative Folding Pattern Analysis of Early Primary Sulci in Human Fetuses with Brain Abnormalities. American Journal of Neuroradiology, 2017, 38, 1449-1455.	1.2	31
121	Using clinically acquired MRI to construct age‐specific ADC atlases: Quantifying spatiotemporal ADC changes from birth to 6‐year old. Human Brain Mapping, 2017, 38, 3052-3068.	1.9	31
122	Shedding light on the neonatal brain: probing cerebral hemodynamics by diffuse optical spectroscopic methods. Scientific Reports, 2017, 7, 15786.	1.6	37
123	Current and Emerging Potential of Magnetoencephalography in the Detection and Localization of High-Frequency Oscillations in Epilepsy. Frontiers in Neurology, 2017, 8, 14.	1.1	53
124	Can cerebellar and brainstem apparent diffusion coefficient (ADC) values predict neuromotor outcome in term neonates with hypoxic-ischemic encephalopathy (HIE) treated with hypothermia?. PLoS ONE, 2017, 12, e0178510.	1.1	9
125	Frequency Diffeomorphisms for Efficient Image Registration. Lecture Notes in Computer Science, 2017, 10265, 559-570.	1.0	31
126	BabyMEG: A whole-head pediatric magnetoencephalography system for human brain development research. Review of Scientific Instruments, 2016, 87, 094301.	0.6	66

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127	Arterial Spin Labeling Perfusion Magnetic Resonance Imaging Performed in Acute Perinatal Stroke Reveals Hyperperfusion Associated With Ischemic Injury. Stroke, 2016, 47, 1514-1519.	1.0	30
128	Reduced cerebral blood flow and oxygen metabolism in extremely preterm neonates with low-grade germinal matrix- intraventricular hemorrhage. Scientific Reports, 2016, 6, 25903.	1.6	40
129	Two unique *TUBB3* mutations cause both CFEOM3 and malformations of cortical development. American Journal of Medical Genetics, Part A, 2016, 170, 297-305.	0.7	51
130	Real-time multi-channel monitoring of burst-suppression using neural network technology during pediatric status epilepticus treatment. Clinical Neurophysiology, 2016, 127, 2820-2831.	0.7	6
131	Altered Structural Brain Networks in Tuberous Sclerosis Complex. Cerebral Cortex, 2016, 26, 2046-2058.	1.6	36
132	Defining the Effect of the 16p11.2 Duplication on Cognition, Behavior, and Medical Comorbidities. JAMA Psychiatry, 2016, 73, 20.	6.0	195
133	Atypical Sulcal Pattern in Children with Developmental Dyslexia and At-Risk Kindergarteners. Cerebral Cortex, 2016, 26, 1138-1148.	1.6	84
134	Temporal Registration in In-Utero Volumetric MRI Time Series. Lecture Notes in Computer Science, 2016, 9902, 54-62.	1.0	7
135	Perioperative cerebral hemodynamics and oxygen metabolism in neonates with single-ventricle physiology. Biomedical Optics Express, 2015, 6, 4749.	1.5	48
136	Wave‑CAIPI for highly accelerated 3D imaging. Magnetic Resonance in Medicine, 2015, 73, 2152-2162.	1.9	180
137	Editorial on emerging neuroimaging tools for studying normal and abnormal human brain development. Frontiers in Human Neuroscience, 2015, 9, 127.	1.0	5
138	Longitudinal Changes in Diffusion Properties in White Matter Pathways of Children With Tuberous Sclerosis Complex. Pediatric Neurology, 2015, 52, 615-623.	1.0	17
139	ChRIS- A web-based neuroimaging and informatics system for collecting, organizing, processing, visualizing and sharing of medical data. , 2015, 2015, 206-9.		14
140	Asymmetry of White Matter Pathways in Developing Human Brains. Cerebral Cortex, 2015, 25, 2883-2893.	1.6	70
141	RARE/turbo spin echo imaging with simultaneous multislice Wave-CAIPI. Magnetic Resonance in Medicine, 2015, 73, 929-938.	1.9	68
142	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
143	Localization of the Epileptogenic Foci in Tuberous Sclerosis Complex: A Pediatric Case Report. Frontiers in Human Neuroscience, 2014, 8, 175.	1.0	26
144	Cortical Somatosensory Reorganization in Children with Spastic Cerebral Palsy: A Multimodal Neuroimaging Study. Frontiers in Human Neuroscience, 2014, 8, 725.	1.0	90

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145	Radial Coherence of Diffusion Tractography in the Cerebral White Matter of the Human Fetus: Neuroanatomic Insights. Cerebral Cortex, 2014, 24, 579-592.	1.6	58
146	Diffuse correlation spectroscopy for measurement of cerebral blood flow: future prospects. Neurophotonics, 2014, 1, 011009.	1.7	176
147	Wave-CAIPI enables highly accelerated 3D MRI. , 2014, , .		1
148	Time Efficiency and Diagnostic Agreement of 2-D Versus 3-D Ultrasound Acquisition of the Neonatal Brain. Ultrasound in Medicine and Biology, 2014, 40, 1804-1809.	0.7	5
149	Evolutionarily Dynamic Alternative Splicing of <i>GPR56</i> Regulates Regional Cerebral Cortical Patterning. Science, 2014, 343, 764-768.	6.0	238
150	Development of cerebellar connectivity in human fetal brains revealed by high angular resolution diffusion tractography. NeuroImage, 2014, 96, 326-333.	2.1	77
151	Cerebral Oxygen Metabolism in Neonatal Hypoxic Ischemic Encephalopathy during and after Therapeutic Hypothermia. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 87-94.	2.4	105
152	3D GABA imaging with real-time motion correction, shim update and reacquisition of adiabatic spiral MRSI. NeuroImage, 2014, 103, 290-302.	2.1	100
153	Somatosensory evoked changes in cerebral oxygen consumption measured non-invasively in premature neonates. NeuroImage, 2014, 85, 279-286.	2.1	69
154	Altered white matter connectivity and network organization in polymicrogyria revealed by individual gyral topology-based analysis. NeuroImage, 2014, 86, 182-193.	2.1	29
155	Fetal MRI: A technical update with educational aspirations. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2014, 43, 237-266.	0.2	78
156	Maximum Entropy Estimation of Glutamate and Glutamine in MR Spectroscopic Imaging. Lecture Notes in Computer Science, 2014, 17, 749-756.	1.0	1
157	A Novel Combined Frequency-Domain Near-Infrared Spectroscopy and Diffuse Correlation Spectroscopy System. , 2014, , .		3
158	Detection of postmortem human cerebellar cortex and white matter pathways using high angular resolution diffusion tractography: A feasibility study. NeuroImage, 2013, 68, 105-111.	2.1	39
159	Regional Infant Brain Development: An MRI-Based Morphometric Analysis in 3 to 13 Month Olds. Cerebral Cortex, 2013, 23, 2100-2117.	1.6	73
160	Effects of sutures and fontanels on MEG and EEG source analysis in a realistic infant head model. NeuroImage, 2013, 76, 282-293.	2.1	88
161	Radial and tangential neuronal migration pathways in the human fetal brain: Anatomically distinct patterns of diffusion MRI coherence. NeuroImage, 2013, 79, 412-422.	2.1	74
162	Quantification and Discrimination of Abnormal Sulcal Patterns in Polymicrogyria. Cerebral Cortex, 2013, 23, 3007-3015.	1.6	36

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163	Regional and Hemispheric Asymmetries of Cerebral Hemodynamic and Oxygen Metabolism in Newborns. Cerebral Cortex, 2013, 23, 339-348.	1.6	58
164	Non-invasive Optical Measurement of Cerebral Metabolism and Hemodynamics in Infants. Journal of Visualized Experiments, 2013, , e4379.	0.2	30
165	Diffusion Propagator Estimation from Sparse Measurements in a Tractography Framework. Lecture Notes in Computer Science, 2013, 16, 510-517.	1.0	22
166	Reliable Identification of Deep Sulcal Pits: The Effects of Scan Session, Scanner, and Surface Extraction Tool. PLoS ONE, 2013, 8, e53678.	1.1	22
167	A quantitative method for correlating observations of decreased apparent diffusion coefficient with elevated cerebral blood perfusion in newborns presenting cerebral ischemic insults. NeuroImage, 2012, 63, 1510-1518.	2.1	35
168	Near-Infrared Spectroscopy Assessment of Cerebral Oxygen Metabolism in the Developing Premature Brain. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 481-488.	2.4	85
169	Neonatal Neuroimaging. , 2012, , 816-843.		0
170	Pediatric neuroimaging in early childhood and infancy: challenges and practical guidelines. Annals of the New York Academy of Sciences, 2012, 1252, 43-50.	1.8	206
171	MR Imaging of the Term and Preterm Neonate with Diffuse Brain Injury. Magnetic Resonance Imaging Clinics of North America, 2011, 19, 709-731.	0.6	15
172	The relationship between the presence of sulcal pits and intelligence in human brains. NeuroImage, 2011, 55, 1490-1496.	2.1	30
173	Quantitative comparison and analysis of sulcal patterns using sulcal graph matching: A twin study. NeuroImage, 2011, 57, 1077-1086.	2.1	61
174	Assessment of the frequency-domain multi-distance method to evaluate the brain optical properties: Monte Carlo simulations from neonate to adult. Biomedical Optics Express, 2011, 2, 552.	1.5	71
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