

Joshua S Shimony

List of Publications by Year in descending order

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146
papers

6,786
citations

108046

37
h-index

87275

74
g-index

150
all docs

150
docs citations

150
times ranked

10118
citing authors

#	ARTICLE	IF	CITATIONS
1	Maturation of large-scale brain systems over the first month of life. <i>Cerebral Cortex</i> , 2023, 33, 2788-2803.	1.6	8
2	Microstructural Periventricular White Matter Injury in Post-hemorrhagic Ventricular Dilatation. <i>Neurology</i> , 2022, 98, .	1.5	8
3	Socioeconomic and demographic factors in the diagnosis and treatment of Chiari malformation type I and syringomyelia. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 29, 288-297.	0.8	3
4	Covariance and Correlation Analysis of Resting State Functional Magnetic Resonance Imaging Data Acquired in a Clinical Trial of Mindfulness-Based Stress Reduction and Exercise in Older Individuals. <i>Frontiers in Neuroscience</i> , 2022, 16, 825547.	1.4	4
5	Deep learning resting state functional magnetic resonance imaging lateralization of temporal lobe epilepsy. <i>Epilepsia</i> , 2022, 63, 1542-1552.	2.6	12
6	Accuracy and reliability of diffusion imaging models. <i>NeuroImage</i> , 2022, 254, 119138.	2.1	13
7	The Effects of Prenatal Exposure to Neighborhood Crime on Neonatal Functional Connectivity. <i>Biological Psychiatry</i> , 2022, 92, 139-148.	0.7	24
8	Complications and outcomes of posterior fossa decompression with duraplasty versus without duraplasty for pediatric patients with Chiari malformation type I and syringomyelia: a study from the Park-Reeves Syringomyelia Research Consortium. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 30, 39-51.	0.8	10
9	RONC-12. Evaluation of brain network segregation using resting state functional MRI in pediatric brain tumor patients treated with proton beam therapy. <i>Neuro-Oncology</i> , 2022, 24, i179-i179.	0.6	0
10	GCT-06. Management of a congenital intracranial teratoma: a case report and review of literature. <i>Neuro-Oncology</i> , 2022, 24, i55-i55.	0.6	0
11	EPCT-07. Updated report on the pilot study of using MRI-guided laser heat ablation to induce disruption of the peritumoral blood brain barrier to enhance deliver and efficacy of treatment of pediatric brain tumors. <i>Neuro-Oncology</i> , 2022, 24, i37-i37.	0.6	1
12	Motor Network Reorganization Induced in Chronic Stroke Patients with the Use of a Contralesionally-Controlled Brain Computer Interface. <i>Brain-Computer Interfaces</i> , 2022, 9, 179-192.	0.9	2
13	Occipital-Cervical Fusion and Ventral Decompression in the Surgical Management of Chiari-1 Malformation and Syringomyelia: Analysis of Data From the Park-Reeves Syringomyelia Research Consortium. <i>Neurosurgery</i> , 2021, 88, 332-341.	0.6	18
14	Microstructure of the Dorsal Anterior Cingulum Bundle in Very Preterm Neonates Predicts the Preterm Behavioral Phenotype at 5 Years of Age. <i>Biological Psychiatry</i> , 2021, 89, 433-442.	0.7	21
15	Surgery requiring general anesthesia in preterm infants is associated with altered brain volumes at term equivalent age and neurodevelopmental impairment. <i>Pediatric Research</i> , 2021, 89, 1200-1207.	1.1	20
16	Functional connectivity within glioblastoma impacts overall survival. <i>Neuro-Oncology</i> , 2021, 23, 412-421.	0.6	36
17	White matter integrity of contralesional and transcallosal tracts may predict response to upper limb task-specific training in chronic stroke. <i>NeuroImage: Clinical</i> , 2021, 31, 102710.	1.4	7
18	Lack of association between acute stroke, post-stroke dementia, race, and β -amyloid status. <i>NeuroImage: Clinical</i> , 2021, 29, 102553.	1.4	12

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19	Machine Learning Analytics of Resting-State Functional Connectivity Predicts Survival Outcomes of Glioblastoma Multiforme Patients. <i>Frontiers in Neurology</i> , 2021, 12, 642241.	1.1	11
20	Resting State Functional MR Imaging of Language Function. <i>Neuroimaging Clinics of North America</i> , 2021, 31, 69-79.	0.5	4
21	Dural augmentation approaches and complication rates after posterior fossa decompression for Chiari I malformation and syringomyelia: a Park-Reeves Syringomyelia Research Consortium study. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 459-468.	0.8	19
22	Brain network reorganisation in an adolescent after bilateral perinatal strokes. <i>Lancet Neurology</i> , The, 2021, 20, 255-256.	4.9	16
23	Quantitative signal properties from standardized MRIs correlate with multiple sclerosis disability. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1096-1109.	1.7	8
24	Cerebral Oxygen Metabolic Stress, Microstructural Injury, and Infarction in Adults With Sickle Cell Disease. <i>Neurology</i> , 2021, 97, e902-e912.	1.5	14
25	Modeling the Effects of HIV and Aging on Resting-State Networks Using Machine Learning. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2021, 88, 414-419.	0.9	5
26	Parallel hippocampal-parietal circuits for self- and goal-oriented processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	32
27	Alterations in resting-state functional connectivity in pediatric patients with tuberous sclerosis complex. <i>Epilepsia Open</i> , 2021, 6, 579-587.	1.3	2
28	Regional Age-Related Atrophy After Screening for Preclinical Alzheimer Disease. <i>Neurobiology of Aging</i> , 2021, 109, 43-51.	1.5	9
29	Toward a More Comprehensive Assessment of School Age Children with Hemiplegic Cerebral Palsy. <i>Rehabilitation Process and Outcome</i> , 2021, 10, 117957272110105.	0.8	2
30	Tract-Specific Relationships Between Cerebrospinal Fluid Biomarkers and Periventricular White Matter in Posthemorrhagic Hydrocephalus of Prematurity. <i>Neurosurgery</i> , 2021, 88, 698-706.	0.6	6
31	Task-based and Resting State Functional MRI in Children. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, 527-541.	0.6	1
32	Homotopic functional connectivity disruptions in glioma patients are associated with tumor malignancy and overall survival. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab176.	0.4	2
33	A phase II study of laser interstitial thermal therapy combined with doxorubicin in patients with recurrent glioblastoma. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab164.	0.4	11
34	Altered hemodynamics contribute to local but not remote functional connectivity disruption due to glioma growth. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 100-115.	2.4	20
35	Semi-automated segmentation of the lateral periventricular regions using diffusion magnetic resonance imaging. <i>MethodsX</i> , 2020, 7, 101023.	0.7	0
36	Mindfulness, Education, and Exercise for age-related cognitive decline: Study protocol, pilot study results, and description of the baseline sample. <i>Clinical Trials</i> , 2020, 17, 581-594.	0.7	13

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37	Mapping of the Language Network With Deep Learning. <i>Frontiers in Neurology</i> , 2020, 11, 819.	1.1	7
38	Mapping language function with task-based vs. resting-state functional MRI. <i>PLoS ONE</i> , 2020, 15, e0236423.	1.1	29
39	Functional Connectivity Decreases with Metabolic Stress in Sickle Cell Disease. <i>Annals of Neurology</i> , 2020, 88, 995-1008.	2.8	11
40	Racial comparisons of MRI and PiB PET in acute stroke. <i>Alzheimer's and Dementia</i> , 2020, 16, e037383.	0.4	0
41	Longitudinal Assessment of Neuroradiologic Features in Wolfram Syndrome. <i>American Journal of Neuroradiology</i> , 2020, 41, 2364-2369.	1.2	12
42	Select Atrophied Regions in Alzheimer disease (SARA): An improved volumetric model for identifying Alzheimer disease dementia. <i>NeuroImage: Clinical</i> , 2020, 26, 102248.	1.4	24
43	Human Brain Functional Network Organization Is Disrupted After Whole-Brain Radiation Therapy. <i>Brain Connectivity</i> , 2020, 10, 29-38.	0.8	17
44	The Congenital Heart Disease Brain: Prenatal Considerations for Perioperative Neurocritical Care. <i>Pediatric Neurology</i> , 2020, 108, 23-30.	1.0	6
45	Individual-specific functional connectivity of the amygdala: A substrate for precision psychiatry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3808-3818.	3.3	96
46	Radiological and clinical associations with scoliosis outcomes after posterior fossa decompression in patients with Chiari malformation and syrinx from the Park-Reeves Syringomyelia Research Consortium. <i>Journal of Neurosurgery: Pediatrics</i> , 2020, 26, 53-59.	0.8	13
47	Use of fast-sequence spine MRI in pediatric patients. <i>Journal of Neurosurgery: Pediatrics</i> , 2020, 26, 676-681.	0.8	9
48	A feasibility study to evaluate early treatment response of brain metastases one week after stereotactic radiosurgery using perfusion weighted imaging. <i>PLoS ONE</i> , 2020, 15, e0241835.	1.1	3
49	Altered neonatal white and gray matter microstructure is associated with neurodevelopmental impairments in very preterm infants with high-grade brain injury. <i>Pediatric Research</i> , 2019, 86, 365-374.	1.1	32
50	MR diffusion changes in the perimeter of the lateral ventricles demonstrate periventricular injury in post-hemorrhagic hydrocephalus of prematurity. <i>NeuroImage: Clinical</i> , 2019, 24, 102031.	1.4	19
51	White and gray matter brain development in children and young adults with phenylketonuria. <i>NeuroImage: Clinical</i> , 2019, 23, 101916.	1.4	16
52	A comparison of resting state functional magnetic resonance imaging to invasive electrocortical stimulation for sensorimotor mapping in pediatric patients. <i>NeuroImage: Clinical</i> , 2019, 23, 101850.	1.4	17
53	Quantification of white matter cellularity and damage in preclinical and early symptomatic Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019, 22, 101767.	1.4	41
54	Hydroxyurea reduces cerebral metabolic stress in patients with sickle cell anemia. <i>Blood</i> , 2019, 133, 2436-2444.	0.6	43

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55	Evidence for altered neurodevelopment and neurodegeneration in Wolfram syndrome using longitudinal morphometry. <i>Scientific Reports</i> , 2019, 9, 6010.	1.6	19
56	Heterogeneity Diffusion Imaging of gliomas: Initial experience and validation. <i>PLoS ONE</i> , 2019, 14, e0225093.	1.1	0
57	The State of Resting State Networks. <i>Topics in Magnetic Resonance Imaging</i> , 2019, 28, 189-196.	0.7	54
58	White matter integrity in schizophrenia and bipolar disorder: Tract- and voxel-based analyses of diffusion data from the Connectom scanner. <i>NeuroImage: Clinical</i> , 2019, 21, 101649.	1.4	39
59	Cerebellar Functional Connectivity in Term- and Very Preterm-Born Infants. <i>Cerebral Cortex</i> , 2019, 29, 1174-1184.	1.6	22
60	Neuroinflammation and White Matter Alterations in Obesity Assessed by Diffusion Basis Spectrum Imaging. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 464.	1.0	56
61	Radiological and clinical predictors of scoliosis in patients with Chiari malformation type I and spinal cord syrinx from the Park-Reeves Syringomyelia Research Consortium. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 24, 520-527.	0.8	9
62	Resting-state network mapping in neurosurgical practice: a review. <i>Neurosurgical Focus</i> , 2019, 47, E15.	1.0	26
63	Resting state signal latency predicts laterality in pediatric medically refractory temporal lobe epilepsy. <i>Child's Nervous System</i> , 2018, 34, 901-910.	0.6	22
64	Regional oxygen extraction predicts border zone vulnerability to stroke in sickle cell disease. <i>Neurology</i> , 2018, 90, e1134-e1142.	1.5	81
65	Red cell exchange transfusions lower cerebral blood flow and oxygen extraction fraction in pediatric sickle cell anemia. <i>Blood</i> , 2018, 131, 1012-1021.	0.6	68
66	Behavioral interventions for reducing head motion during MRI scans in children. <i>NeuroImage</i> , 2018, 171, 234-245.	2.1	149
67	Spinal Cord Injury Disrupts Resting-State Networks in the Human Brain. <i>Journal of Neurotrauma</i> , 2018, 35, 864-873.	1.7	51
68	Cortical Functional Connectivity Evident After Birth and Behavioral Inhibition at Age 2. <i>American Journal of Psychiatry</i> , 2018, 175, 180-187.	4.0	75
69	Quantification of White Matter Cellularity in Preclinical and Early Symptomatic Alzheimer Disease Using Neuroimaging. <i>Alzheimer's and Dementia</i> , 2018, 14, P648.	0.4	0
70	Volumetric-based Diagnosis of Alzheimer's Disease Using a Super-normal Cohort of Aging. <i>Alzheimer's and Dementia</i> , 2018, 14, P451.	0.4	0
71	Prenatal to postnatal trajectory of brain growth in complex congenital heart disease. <i>NeuroImage: Clinical</i> , 2018, 20, 913-922.	1.4	36
72	Spatial and Temporal Organization of the Individual Human Cerebellum. <i>Neuron</i> , 2018, 100, 977-993.e7.	3.8	201

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73	The LURN Research Network Neuroimaging and Sensory Testing (NIST) Study: Design, protocols, and operations. <i>Contemporary Clinical Trials</i> , 2018, 74, 76-87.	0.8	7
74	Hemodynamic Impairment Measured by Positron-Emission Tomography Is Regionally Associated with Decreased Cortical Thickness in Moyamoya Phenomenon. <i>American Journal of Neuroradiology</i> , 2018, 39, 2037-2044.	1.2	8
75	Validation of diffusion tensor imaging measures of nigrostriatal neurons in macaques. <i>PLoS ONE</i> , 2018, 13, e0202201.	1.1	15
76	Variable cardiovascular phenotypes associated with <i>SMAD2</i> pathogenic variants. <i>Human Mutation</i> , 2018, 39, 1875-1884.	1.1	23
77	Integration of resting state functional MRI into clinical practice - A large single institution experience. <i>PLoS ONE</i> , 2018, 13, e0198349.	1.1	54
78	Functional characterization of biallelic RTTN variants identified in an infant with microcephaly, simplified gyral pattern, pontocerebellar hypoplasia, and seizures. <i>Pediatric Research</i> , 2018, 84, 435-441.	1.1	11
79	Stronger prediction of motor recovery and outcome post-stroke by cortico-spinal tract integrity than functional connectivity. <i>PLoS ONE</i> , 2018, 13, e0202504.	1.1	34
80	Diffusion Tensor Tractography of the Cerebellar Peduncles in Prematurely Born 7-Year-Old Children. <i>Cerebellum</i> , 2017, 16, 314-325.	1.4	19
81	Cognitive Training for Adults With Bothersome Tinnitus. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2017, 143, 443.	1.2	12
82	Neonatal Amygdala Functional Connectivity at Rest in Healthy and Preterm Infants and Early Internalizing Symptoms. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2017, 56, 157-166.	0.3	107
83	Tract-based analysis of white matter integrity in psychotic and nonpsychotic bipolar disorder. <i>Journal of Affective Disorders</i> , 2017, 209, 124-134.	2.0	21
84	A validated clinical MRI injury scoring system in neonatal hypoxic-ischemic encephalopathy. <i>Pediatric Radiology</i> , 2017, 47, 1491-1499.	1.1	80
85	Pretreatment cognitive and neural differences between sapropterin dihydrochloride responders and non-responders with phenylketonuria. <i>Molecular Genetics and Metabolism Reports</i> , 2017, 12, 8-13.	0.4	2
86	Treatment of Leukoencephalopathy With Calcifications and Cysts With Bevacizumab. <i>Pediatric Neurology</i> , 2017, 71, 56-59.	1.0	24
87	The use of hippocampal volumetric measurements to improve diagnostic accuracy in pediatric patients with mesial temporal sclerosis. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 19, 720-728.	0.8	9
88	Large-Vessel Vasculopathy in Children With Sickle Cell Disease: A Magnetic Resonance Imaging Study of Infarct Topography and Focal Atrophy. <i>Pediatric Neurology</i> , 2017, 69, 49-57.	1.0	37
89	Resting-state functional magnetic resonance imaging for surgical planning in pediatric patients: a preliminary experience. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 20, 583-590.	0.8	48
90	Dissociation Between Hormonal Counterregulatory Responses and Cerebral Glucose Metabolism During Hypoglycemia. <i>Diabetes</i> , 2017, 66, 2964-2972.	0.3	6

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91	Resting-state Functional Magnetic Resonance Imaging in Presurgical Functional Mapping. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 621-633.	0.5	53
92	Precision Functional Mapping of Individual Human Brains. <i>Neuron</i> , 2017, 95, 791-807.e7.	3.8	948
93	On the role of the corpus callosum in interhemispheric functional connectivity in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13278-13283.	3.3	176
94	Prevalence of Semicircular Canal Hypoplasia in Patients With CHARGE Syndrome. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2017, 143, 168.	1.2	24
95	Severity of clinical presentation in youth with type 1 diabetes is associated with differences in brain structure. <i>Pediatric Diabetes</i> , 2017, 18, 686-695.	1.2	30
96	The impact of high grade glial neoplasms on human cortical electrophysiology. <i>PLoS ONE</i> , 2017, 12, e0173448.	1.1	4
97	Adaptive anatomical preservation optimal denoising for radiation therapy daily MRI. <i>Journal of Medical Imaging</i> , 2017, 4, 1.	0.8	0
98	Resting-State Network Complexity and Magnitude Are Reduced in Prematurely Born Infants. <i>Cerebral Cortex</i> , 2016, 26, 322-333.	1.6	145
99	NS-14A PILOT STUDY OF USING MRI-GUIDED LASER HEAT ABLATION TO INDUCE DISRUPTION OF THE PERITUMORAL BLOOD BRAIN BARRIER TO ENHANCE DELIVERY AND EFFICACY OF TREATMENT OF PEDIATRIC BRAIN TUMORS. <i>Neuro-Oncology</i> , 2016, 18, iii129.5-iii130.	0.6	1
100	Neuroimaging evidence of deficient axon myelination in Wolfram syndrome. <i>Scientific Reports</i> , 2016, 6, 21167.	1.6	28
101	P4-160: Imaging Marker of Neuroinflammation Predicts Progression in Alzheimer's Disease. , 2016, 12, P1076-P1076.		1
102	P3-260: Simultaneous Quantification of White Matter Abnormalities and Vasogenic Edema in Early Alzheimer's Disease. , 2016, 12, P931-P932.		0
103	P1-275: White Matter Neuroinflammation in Preclinical Alzheimer Disease Can Be Quantified By Diffusion Basis Spectrum Imaging. <i>Alzheimer's and Dementia</i> , 2016, 12, P522.	0.4	0
104	IC-P-171: White Matter Neuroinflammation in Preclinical Alzheimer Disease Can Be Quantified By Diffusion Basis Spectrum Imaging. <i>Alzheimer's and Dementia</i> , 2016, 12, P124.	0.4	0
105	IC-P-172: Simultaneous Quantification of White Matter Abnormalities and Vasogenic Edema in Early Alzheimer Disease. , 2016, 12, P125-P126.		1
106	Relationship between age and white matter integrity in children with phenylketonuria. <i>Molecular Genetics and Metabolism Reports</i> , 2016, 7, 45-49.	0.4	11
107	Diffusion tensor imaging study of pediatric patients with congenital hydrocephalus: 1-year postsurgical outcomes. <i>Journal of Neurosurgery: Pediatrics</i> , 2016, 18, 306-319.	0.8	36
108	Brain aerobic glycolysis and motor adaptation learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3782-91.	3.3	62

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109	Left hemisphere structural connectivity abnormality in pediatric hydrocephalus patients following surgery. <i>NeuroImage: Clinical</i> , 2016, 12, 631-639.	1.4	10
110	Brain White Matter Integrity Mediates the Relationship Between Phenylalanine Control and Executive Abilities in Children with Phenylketonuria. <i>JIMD Reports</i> , 2016, 33, 41-47.	0.7	10
111	Functional Imaging of the Developing Brain at the Bedside Using Diffuse Optical Tomography. <i>Cerebral Cortex</i> , 2016, 26, 1558-1568.	1.6	85
112	Comparison of cortical folding measures for evaluation of developing human brain. <i>NeuroImage</i> , 2016, 125, 780-790.	2.1	92
113	Heterogeneous Optimization Framework: Reproducible Preprocessing of Multi-Spectral Clinical MRI for Neuro-Oncology Imaging Research. <i>Neuroinformatics</i> , 2016, 14, 305-317.	1.5	6
114	Regional white matter development in very preterm infants: perinatal predictors and early developmental outcomes. <i>Pediatric Research</i> , 2016, 79, 87-95.	1.1	58
115	Hyperthermic Laser Ablation of Recurrent Glioblastoma Leads to Temporary Disruption of the Peritumoral Blood Brain Barrier. <i>PLoS ONE</i> , 2016, 11, e0148613.	1.1	146
116	Suppression of the Hemodynamic Response Function Demonstrates Altered Cerebral Vasoreactivity in Sickle Cell Disease. <i>Blood</i> , 2016, 128, 12-12.	0.6	1
117	P3-154: Diffusion tensor imaging detected neurodegeneration in preclinical Alzheimer disease. , 2015, 11, P686-P687.		0
118	Ex vivo magnetic resonance imaging in South African manganese mine workers. <i>NeuroToxicology</i> , 2015, 49, 8-14.	1.4	12
119	Abnormal White Matter Blood-Oxygen-Level-Dependent Signals in Chronic Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 1254-1271.	1.7	50
120	IC-P-112: Diffusion tensor imaging detected neurodegeneration in preclinical Alzheimer disease. , 2015, 11, P77-P78.		2
121	Thinner Retinal Nerve Fiber Layer in Very Preterm Versus Term Infants and Relationship to Brain Anatomy and Neurodevelopment. <i>American Journal of Ophthalmology</i> , 2015, 160, 1296-1308.e2.	1.7	54
122	Current and future diagnostic tools for traumatic brain injury. <i>Handbook of Clinical Neurology</i> / Edited By PJ Vinken and G W Bruyn, 2015, 127, 267-275.	1.0	11
123	Abnormal structural connectivity in the brain networks of children with hydrocephalus. <i>NeuroImage: Clinical</i> , 2015, 8, 483-492.	1.4	21
124	The accuracy of linear indices of ventricular volume in pediatric hydrocephalus: technical note. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 15, 547-551.	0.8	42
125	Quantitative assessments of traumatic axonal injury in human brain: concordance of microdialysis and advanced MRI. <i>Brain</i> , 2015, 138, 2263-2277.	3.7	45
126	Prolonged exposure to high and variable phenylalanine levels over the lifetime predicts brain white matter integrity in children with phenylketonuria. <i>Molecular Genetics and Metabolism</i> , 2015, 114, 19-24.	0.5	39

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127	Elevations in MR Measurements of Whole Brain and Regional Cerebral Blood Flow and Oxygen Extraction Fraction Suggest Cerebral Metabolic Stress in Children with Sickle Cell Disease Unaffected By Overt Stroke. <i>Blood</i> , 2015, 126, 69-69.	0.6	9
128	Diffusion tensor imaging in children with unilateral hearing loss: a pilot study. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 87.	1.2	36
129	Diffusion tractography and neuromotor outcome in very preterm children with white matter abnormalities. <i>Pediatric Research</i> , 2014, 76, 86-92.	1.1	25
130	Resting-State Blood Oxygen Level-Dependent Functional Magnetic Resonance Imaging for Presurgical Planning. <i>Neuroimaging Clinics of North America</i> , 2014, 24, 655-669.	0.5	14
131	Comparison of Perfusion- and Diffusion-weighted Imaging Parameters in Brain Tumor Studies Processed Using Different Software Platforms. <i>Academic Radiology</i> , 2014, 21, 1294-1303.	1.3	8
132	Improved in vivo diffusion tensor imaging of human cervical spinal cord. <i>NeuroImage</i> , 2013, 67, 64-76.	2.1	72
133	A Novel Data-Driven Approach to Preoperative Mapping of Functional Cortex Using Resting-State Functional Magnetic Resonance Imaging. <i>Neurosurgery</i> , 2013, 73, 969-983.	0.6	126
134	Upstream Dysfunction of Somatomotor Functional Connectivity After Corticospinal Damage in Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 7-19.	1.4	183
135	Diminished performance on neuropsychological testing in late life depression is correlated with microstructural white matter abnormalities. <i>NeuroImage</i> , 2012, 60, 2182-2190.	2.1	60
136	Clustering of Resting State Networks. <i>PLoS ONE</i> , 2012, 7, e40370.	1.1	162
137	Detection of Blast-Related Traumatic Brain Injury in U.S. Military Personnel. <i>New England Journal of Medicine</i> , 2011, 364, 2091-2100.	13.9	553
138	Dynamic susceptibility contrast MRI with localized arterial input functions. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1305-1314.	1.9	19
139	Longitudinal Analysis of Neural Network Development in Preterm Infants. <i>Cerebral Cortex</i> , 2010, 20, 2852-2862.	1.6	677
140	Diffuse Microstructural Abnormalities of Normal-Appearing White Matter in Late Life Depression: A Diffusion Tensor Imaging Study. <i>Biological Psychiatry</i> , 2009, 66, 245-252.	0.7	124
141	Resting-state Spontaneous Fluctuations in Brain Activity. <i>Academic Radiology</i> , 2009, 16, 578-583.	1.3	143
142	Imaging for Diagnosis and Treatment of Cerebral Palsy. <i>Clinical Obstetrics and Gynecology</i> , 2008, 51, 787-799.	0.6	14
143	Estimation of Cerebral Blood Flow From Dynamic Susceptibility Contrast MRI Using A Tissue Model. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
144	Percutaneous Vertebroplasty for Malignant Compression Fractures with Epidural Involvement. <i>Radiology</i> , 2004, 232, 846-853.	3.6	142

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145	The Study of Neural Connectivity Using Diffusion Tensor Tracking. <i>Cortex</i> , 2004, 40, 213-215.	1.1	13
146	Heterogeneity of Apparent Diffusion Coefficients Within Infarcts. <i>Stroke</i> , 2001, 32, 1695-1696.	1.0	3