

Scott K Holland

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

11,762
citations

56
h-index

101
g-index

216
ext. papers

13,169
ext. citations

4.6
avg, IF

6.24
L-index

#	Paper	IF	Citations
207	NMR relaxation times in the human brain at 3.0 tesla. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 9, 531-8	5.6	622
206	Normal fMRI brain activation patterns in children performing a verb generation task. <i>NeuroImage</i> , 2001 , 14, 837-43	7.9	358
205	Correlation of white matter diffusivity and anisotropy with age during childhood and adolescence: a cross-sectional diffusion-tensor MR imaging study. <i>Radiology</i> , 2002 , 222, 212-8	20.5	351
204	Cognitive functions correlate with white matter architecture in a normal pediatric population: a diffusion tensor MRI study. <i>Human Brain Mapping</i> , 2005 , 26, 139-47	5.9	324
203	Cerebral ischemia-hypoxia induces intravascular coagulation and autophagy. <i>American Journal of Pathology</i> , 2006 , 169, 566-83	5.8	304
202	MR imaging of murine arthritis using ultrasmall superparamagnetic iron oxide particles. <i>Magnetic Resonance Imaging</i> , 2001 , 19, 1209-16	3.3	299
201	Template-O-Matic: a toolbox for creating customized pediatric templates. <i>NeuroImage</i> , 2008 , 41, 903-13	7.9	295
200	fMRI study of language lateralization in children and adults. <i>Human Brain Mapping</i> , 2006 , 27, 202-12	5.9	267
199	fMRI of neuronal activation with symptom provocation in unmedicated patients with obsessive compulsive disorder. <i>Journal of Psychiatric Research</i> , 2000 , 34, 317-24	5.2	267
198	A preliminary FMRI study of sustained attention in euthymic, unmedicated bipolar disorder. <i>Neuropsychopharmacology</i> , 2004 , 29, 1734-40	8.7	201
197	Assessment of spatial normalization of whole-brain magnetic resonance images in children. <i>Human Brain Mapping</i> , 2002 , 17, 48-60	5.9	195
196	Functional MRI of language lateralization during development in children. <i>International Journal of Audiology</i> , 2007 , 46, 533-51	2.6	192
195	A longitudinal functional magnetic resonance imaging study of language development in children 5 to 11 years old. <i>Annals of Neurology</i> , 2006 , 59, 796-807	9.4	182
194	Developmental differences in white matter architecture between boys and girls. <i>Human Brain Mapping</i> , 2008 , 29, 696-710	5.9	180
193	Abnormal frontal white matter tracts in bipolar disorder: a diffusion tensor imaging study. <i>Bipolar Disorders</i> , 2004 , 6, 197-203	3.8	180
192	Evidence of white matter pathology in bipolar disorder adolescents experiencing their first episode of mania: a diffusion tensor imaging study. <i>American Journal of Psychiatry</i> , 2006 , 163, 322-4	11.9	177
191	Bright spots: correlations of gray matter volume with IQ in a normal pediatric population. <i>NeuroImage</i> , 2003 , 20, 202-15	7.9	177

190	Practical aspects of conducting large-scale functional magnetic resonance imaging studies in children. <i>Journal of Child Neurology</i> , 2002 , 17, 885-90	2.5	177
189	Simultaneous correction of ghost and geometric distortion artifacts in EPI using a multiecho reference scan. <i>IEEE Transactions on Medical Imaging</i> , 2001 , 20, 535-9	11.7	177
188	Cognition and Brain Structure Following Early Childhood Surgery With Anesthesia. <i>Pediatrics</i> , 2015 , 136, e1-12	7.4	168
187	Abnormal fMRI brain activation in euthymic bipolar disorder patients during a counting Stroop interference task. <i>American Journal of Psychiatry</i> , 2005 , 162, 1697-705	11.9	163
186	Changes in neuronal activation in patients with bipolar disorder during performance of a working memory task. <i>Bipolar Disorders</i> , 2004 , 6, 540-9	3.8	162
185	Voxel-based morphometry in adolescents with bipolar disorder: first results. <i>Psychiatry Research - Neuroimaging</i> , 2004 , 131, 57-69	2.9	159
184	Practice guideline summary: Use of fMRI in the presurgical evaluation of patients with epilepsy: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology. <i>Neurology</i> , 2017 , 88, 395-402	6.5	138
183	Comparison of three methods for generating group statistical inferences from independent component analysis of functional magnetic resonance imaging data. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 365-8	5.6	132
182	Infant brain probability templates for MRI segmentation and normalization. <i>NeuroImage</i> , 2008 , 43, 721-309	12.5	125
181	Age-related connectivity changes in fMRI data from children listening to stories. <i>NeuroImage</i> , 2007 , 34, 349-60	7.9	125
180	fMRI shows atypical language lateralization in pediatric epilepsy patients. <i>Epilepsia</i> , 2006 , 47, 593-600	6.4	121
179	Sex differences in the development of neuroanatomical functional connectivity underlying intelligence found using Bayesian connectivity analysis. <i>NeuroImage</i> , 2007 , 35, 406-19	7.9	120
178	Global and local development of gray and white matter volume in normal children and adolescents. <i>Experimental Brain Research</i> , 2007 , 178, 296-307	2.3	119
177	Changes in neuronal activation with increasing attention demand in healthy volunteers: an fMRI study. <i>Synapse</i> , 2001 , 42, 266-72	2.4	118
176	Cognitive modules utilized for narrative comprehension in children: a functional magnetic resonance imaging study. <i>NeuroImage</i> , 2006 , 29, 254-66	7.9	117
175	Comprehensive presurgical functional MRI language evaluation in adult patients with epilepsy. <i>Epilepsy and Behavior</i> , 2008 , 12, 74-83	3.2	97
174	Home Reading Environment and Brain Activation in Preschool Children Listening to Stories. <i>Pediatrics</i> , 2015 , 136, 466-78	7.4	87
173	Cortical and subcortical contributions to absence seizure onset examined with EEG/fMRI. <i>Epilepsy and Behavior</i> , 2010 , 18, 404-13	3.2	86

172	Diffusion tensor MR imaging reveals persistent white matter alteration after traumatic brain injury experienced during early childhood. <i>American Journal of Neuroradiology</i> , 2007 , 28, 1919-25	4.4	85
171	Left-handedness and language lateralization in children. <i>Brain Research</i> , 2012 , 1433, 85-97	3.7	84
170	The impact of early childhood lead exposure on brain organization: a functional magnetic resonance imaging study of language function. <i>Pediatrics</i> , 2006 , 118, 971-7	7.4	83
169	Functional MRI evidence for disparate developmental processes underlying intelligence in boys and girls. <i>NeuroImage</i> , 2006 , 31, 1366-79	7.9	82
168	Associations Between Screen-Based Media Use and Brain White Matter Integrity in Preschool-Aged Children. <i>JAMA Pediatrics</i> , 2020 , 174, e193869	8.3	82
167	Cortical reorganization of language functioning following perinatal left MCA stroke. <i>Brain and Language</i> , 2008 , 105, 99-111	2.9	80
166	Recovered vs. not-recovered from post-stroke aphasia: the contributions from the dominant and non-dominant hemispheres. <i>Restorative Neurology and Neuroscience</i> , 2013 , 31, 347-60	2.8	78
165	BOLD fMRI signal increases with age in selected brain regions in children. <i>NeuroReport</i> , 2004 , 15, 2575-81	7.7	75
164	Nuclear magnetic resonance signal from flowing nuclei in rapid imaging using gradient echoes. <i>Medical Physics</i> , 1988 , 15, 809-14	4.4	75
163	Comparison of fMRI data from passive listening and active-response story processing tasks in children. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 971-6	5.6	74
162	Functional magnetic resonance imaging in pediatrics. <i>Neuropediatrics</i> , 2003 , 34, 225-33	1.6	74
161	Sex differences in the activation of language cortex during childhood. <i>Neuropsychologia</i> , 2006 , 44, 1210-21	3.1	72
160	Sex differences in white matter development during adolescence: a DTI study. <i>Brain Research</i> , 2012 , 1478, 1-15	3.7	69
159	Quantification of head motion in children during various fMRI language tasks. <i>Human Brain Mapping</i> , 2009 , 30, 1481-9	5.9	69
158	Neurite density index is sensitive to age related differences in the developing brain. <i>NeuroImage</i> , 2017 , 148, 373-380	7.9	63
157	Reliability of fMRI for studies of language in post-stroke aphasia subjects. <i>NeuroImage</i> , 2008 , 41, 311-22	7.9	62
156	Comorbid ADHD is associated with altered patterns of neuronal activation in adolescents with bipolar disorder performing a simple attention task. <i>Bipolar Disorders</i> , 2005 , 7, 577-88	3.8	62
155	Functional magnetic resonance imaging reveals atypical language organization in children following perinatal left middle cerebral artery stroke. <i>Neuropediatrics</i> , 2006 , 37, 46-52	1.6	58

154	Reduced default mode network connectivity in treatment-resistant idiopathic generalized epilepsy. <i>Epilepsia</i> , 2013 , 54, 461-70	6.4	57
153	Functional magnetic resonance imaging assessment of cognitive function in childhood-onset systemic lupus erythematosus: a pilot study. <i>Arthritis and Rheumatism</i> , 2007 , 56, 4151-63		57
152	Semantic association investigated with functional MRI and independent component analysis. <i>Epilepsy and Behavior</i> , 2011 , 20, 613-22	3.2	56
151	Medial temporal fMRI activation reflects memory lateralization and memory performance in patients with epilepsy. <i>Epilepsy and Behavior</i> , 2008 , 12, 410-8	3.2	56
150	Simultaneous EEG/functional magnetic resonance imaging at 4 Tesla: correlates of brain activity to spontaneous alpha rhythm during relaxation. <i>Journal of Clinical Neurophysiology</i> , 2008 , 25, 255-64	2.2	54
149	A 10-year longitudinal fMRI study of narrative comprehension in children and adolescents. <i>NeuroImage</i> , 2012 , 63, 1188-95	7.9	52
148	Making memories: a cross-sectional investigation of episodic memory encoding in childhood using fMRI. <i>Developmental Neuropsychology</i> , 2006 , 29, 321-40	1.8	52
147	High-resolution functional MRI at 3T in healthy and epilepsy subjects: hippocampal activation with picture encoding task. <i>Epilepsy and Behavior</i> , 2004 , 5, 244-52	3.2	52
146	Event-related fMRI technique for auditory processing with hemodynamics unrelated to acoustic gradient noise. <i>Magnetic Resonance in Medicine</i> , 2004 , 51, 399-402	4.4	51
145	Unilateral deafness in children affects development of multi-modal modulation and default mode networks. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 164	3.3	49
144	A group independent component analysis of covert verb generation in children: a functional magnetic resonance imaging study. <i>NeuroImage</i> , 2010 , 51, 472-87	7.9	47
143	The effect of musical training on music processing: a functional magnetic resonance imaging study in humans. <i>Neuroscience Letters</i> , 2003 , 348, 65-8	3.3	47
142	Decreased amygdala-insula resting state connectivity in behaviorally and emotionally dysregulated youth. <i>Psychiatry Research - Neuroimaging</i> , 2015 , 231, 77-86	2.9	46
141	Factors determining success of awake and asleep magnetic resonance imaging scans in nonsedated children. <i>Neuropediatrics</i> , 2014 , 45, 370-7	1.6	46
140	Morphometric differences in the Heschl's gyrus of hearing impaired and normal hearing infants. <i>Cerebral Cortex</i> , 2011 , 21, 991-8	5.1	46
139	Language networks in children: evidence from functional MRI studies. <i>American Journal of Roentgenology</i> , 2009 , 192, 1190-6	5.4	45
138	Preliminary fMRI findings in experimentally sleep-restricted adolescents engaged in a working memory task. <i>Behavioral and Brain Functions</i> , 2009 , 5, 9	4.1	44
137	Moderating effects of music on resting state networks. <i>Brain Research</i> , 2012 , 1447, 53-64	3.7	41

136	Cortical reorganization in children with unilateral sensorineural hearing loss. <i>NeuroReport</i> , 2005 , 16, 463-477	4.1	41
135	Object identification and lexical/semantic access in children: a functional magnetic resonance imaging study of word-picture matching. <i>Human Brain Mapping</i> , 2007 , 28, 1060-74	5.9	40
134	Females and males are highly similar in language performance and cortical activation patterns during verb generation. <i>Cortex</i> , 2012 , 48, 1218-33	3.8	39
133	Variability of gray and white matter during normal development: a voxel-based MRI analysis. <i>NeuroReport</i> , 2003 , 14, 1887-90	1.7	39
132	Different patterns of language activation in post-stroke aphasia are detected by overt and covert versions of the verb generation fMRI task. <i>Medical Science Monitor</i> , 2012 , 18, CR135-7	3.2	39
131	CerebroMatic: A Versatile Toolbox for Spline-Based MRI Template Creation. <i>Frontiers in Computational Neuroscience</i> , 2017 , 11, 5	3.5	38
130	Parsing dimensional vs diagnostic category-related patterns of reward circuitry function in behaviorally and emotionally dysregulated youth in the Longitudinal Assessment of Manic Symptoms study. <i>JAMA Psychiatry</i> , 2014 , 71, 71-80	14.5	38
129	Imaging oxygen tension in liver and spleen by ¹⁹ F NMR. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 446-54	4.4	38
128	Overlapping neural circuitry for narrative comprehension and proficient reading in children and adolescents. <i>Neuropsychologia</i> , 2013 , 51, 2651-62	3.2	37
127	Shared Reading Quality and Brain Activation during Story Listening in Preschool-Age Children. <i>Journal of Pediatrics</i> , 2017 , 191, 204-211.e1	3.6	37
126	Hypoglycemic brain injury: potentiation from respiratory depression and injury aggravation from hyperglycemic treatment overshoots. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000 , 20, 82-92	7.3	37
125	Increased resting-state functional connectivity of visual- and cognitive-control brain networks after training in children with reading difficulties. <i>NeuroImage: Clinical</i> , 2015 , 8, 619-30	5.3	36
124	DTI values in key white matter tracts from infancy through adolescence. <i>American Journal of Neuroradiology</i> , 2013 , 34, 1443-9	4.4	36
123	The relationship between the localization of the generalized spike and wave discharge generators and the response to valproate. <i>Epilepsia</i> , 2013 , 54, 471-80	6.4	36
122	Functional magnetic resonance imaging reveals changes in language localization in children with benign childhood epilepsy with centrotemporal spikes. <i>Journal of Child Neurology</i> , 2013 , 28, 435-45	2.5	36
121	Longitudinal comparison of pre- and postoperative diffusion tensor imaging parameters in young children with hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2010 , 5, 385-91	2.1	36
120	Diffusion tensor imaging properties and neurobehavioral outcomes in children with hydrocephalus. <i>American Journal of Neuroradiology</i> , 2013 , 34, 439-45	4.4	35
119	Functional magnetic resonance imaging of hearing-impaired children under sedation before cochlear implantation. <i>JAMA Otolaryngology</i> , 2007 , 133, 677-83		35

118	Functional magnetic resonance imaging of the pediatric swallow: imaging the cortex and the brainstem. <i>Laryngoscope</i> , 2001 , 111, 1183-91	3.6	35
117	The accuracy of linear indices of ventricular volume in pediatric hydrocephalus: technical note. <i>Journal of Neurosurgery: Pediatrics</i> , 2015 , 15, 547-51	2.1	34
116	Poststroke aphasia recovery assessed with functional magnetic resonance imaging and a picture identification task. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2011 , 20, 336-45	2.8	34
115	The effect of musical training on the neural correlates of math processing: a functional magnetic resonance imaging study in humans. <i>Neuroscience Letters</i> , 2004 , 354, 193-6	3.3	34
114	Early prediction of cognitive deficits in very preterm infants using functional connectome data in an artificial neural network framework. <i>NeuroImage: Clinical</i> , 2018 , 18, 290-297	5.3	33
113	Involvement of the right hemisphere in reading comprehension: a DTI study. <i>Brain Research</i> , 2014 , 1582, 34-44	3.7	33
112	Neural correlates of phonological processing in speech sound disorder: a functional magnetic resonance imaging study. <i>Brain and Language</i> , 2011 , 119, 42-9	2.9	32
111	Using a phantom to compare MR techniques for determining the ratio of intraabdominal to subcutaneous adipose tissue. <i>American Journal of Roentgenology</i> , 2003 , 180, 993-8	5.4	32
110	Long-term neural processing of attention following early childhood traumatic brain injury: fMRI and neurobehavioral outcomes. <i>Journal of the International Neuropsychological Society</i> , 2008 , 14, 424-35	3.1	31
109	Greater functional connectivity between reading and error-detection regions following training with the reading acceleration program in children with reading difficulties. <i>Annals of Dyslexia</i> , 2015 , 65, 1-23	1.8	30
108	Reading acceleration training changes brain circuitry in children with reading difficulties. <i>Brain and Behavior</i> , 2014 , 4, 886-902	3.4	30
107	Prosodic processing by children: an fMRI study. <i>Brain and Language</i> , 2006 , 97, 332-42	2.9	30
106	Abnormal deactivation of the inferior frontal gyrus during implicit emotion processing in youth with bipolar disorder: attenuated by medication. <i>Journal of Psychiatric Research</i> , 2014 , 58, 129-36	5.2	29
105	The effects of left or right hemispheric epilepsy on language networks investigated with semantic decision fMRI task and independent component analysis. <i>Epilepsy and Behavior</i> , 2011 , 20, 623-32	3.2	28
104	Diffusion tensor imaging correlates with cytopathology in a rat model of neonatal hydrocephalus. <i>Cerebrospinal Fluid Research</i> , 2010 , 7, 19		28
103	Correlation of diffusion tensor imaging with executive function measures after early childhood traumatic brain injury. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2009 , 2, 273-83	1.4	28
102	Development of effective connectivity for narrative comprehension in children. <i>NeuroReport</i> , 2007 , 18, 1411-5	1.7	28
101	Story time turbocharger? Child engagement during shared reading and cerebellar activation and connectivity in preschool-age children listening to stories. <i>PLoS ONE</i> , 2017 , 12, e0177398	3.7	28

100	Arcuate fasciculus asymmetry has a hand in language function but not handedness. <i>Human Brain Mapping</i> , 2016 , 37, 3297-309	5.9	28
99	The canonical semantic network supports residual language function in chronic post-stroke aphasia. <i>Human Brain Mapping</i> , 2017 , 38, 1636-1658	5.9	27
98	Emotional face processing in pediatric bipolar disorder: evidence for functional impairments in the fusiform gyrus. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2013 , 52, 1314-1325.e3	7.3	27
97	Right is not always wrong: DTI and fMRI evidence for the reliance of reading comprehension on language-comprehension networks in the right hemisphere. <i>Brain Imaging and Behavior</i> , 2015 , 9, 19-31	4.1	26
96	Reading improvement in English- and Hebrew-speaking children with reading difficulties after reading acceleration training. <i>Annals of Dyslexia</i> , 2014 , 64, 183-201	1.8	26
95	Characterization of abnormal diffusion properties of supratentorial brain tumors: a preliminary diffusion tensor imaging study. <i>Journal of Neurosurgery: Pediatrics</i> , 2008 , 1, 263-9	2.1	26
94	White matter structure in youth with behavioral and emotional dysregulation disorders: a probabilistic tractographic study. <i>JAMA Psychiatry</i> , 2015 , 72, 367-76	14.5	25
93	Age-related language lateralization assessed by fMRI: The effects of sex and handedness. <i>Brain Research</i> , 2017 , 1674, 20-35	3.7	25
92	Evidence that neurovascular coupling underlying the BOLD effect increases with age during childhood. <i>Human Brain Mapping</i> , 2015 , 36, 1-15	5.9	25
91	BOLD fMRI in infants under sedation: Comparing the impact of pentobarbital and propofol on auditory and language activation. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 1184-95	5.6	25
90	Neural substrate differences in language networks and associated language-related behavioral impairments in children with TBI: A preliminary fMRI investigation. <i>NeuroRehabilitation</i> , 2007 , 22, 355-369	2	25
89	Language processing during natural sleep in a 6-year-old boy, as assessed with functional MR imaging. <i>American Journal of Neuroradiology</i> , 2003 , 24, 42-4	4.4	25
88	Optimized simultaneous ASL and BOLD functional imaging of the whole brain. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 1104-17	5.6	24
87	Diffusion tensor imaging detects white matter abnormalities and associated cognitive deficits in chronic adolescent TBI. <i>Brain Injury</i> , 2013 , 27, 454-63	2.1	24
86	Functional MRI in children: clinical and research applications. <i>Pediatric Radiology</i> , 2010 , 40, 31-49	2.8	24
85	A position-sensitive superheated emulsion chamber for three-dimensional photon dosimetry. <i>Physics in Medicine and Biology</i> , 1998 , 43, 1147-58	3.8	24
84	Altered functional network connectivity in preterm infants: antecedents of cognitive and motor impairments?. <i>Brain Structure and Function</i> , 2018 , 223, 3665-3680	4	23
83	Differences in paracingulate connectivity associated with epileptiform discharges and uncontrolled seizures in genetic generalized epilepsy. <i>Epilepsia</i> , 2014 , 55, 256-63	6.4	23

82	Greater Utilization of Neural-Circuits Related to Executive Functions is Associated with Better Reading: A Longitudinal fMRI Study Using the Verb Generation Task. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 447	3.3	23
81	Diffusion tensor imaging reveals white matter microstructure correlations with auditory processing ability. <i>Ear and Hearing</i> , 2011 , 32, 156-67	3.4	23
80	Sapoin C coupled lipid nanovesicles enable cancer-selective optical and magnetic resonance imaging. <i>Molecular Imaging and Biology</i> , 2011 , 13, 886-97	3.8	23
79	Diffusion tensor imaging study of pediatric patients with congenital hydrocephalus: 1-year postsurgical outcomes. <i>Journal of Neurosurgery: Pediatrics</i> , 2016 , 18, 306-19	2.1	23
78	Combined analysis of sMRI and fMRI imaging data provides accurate disease markers for hearing impairment. <i>NeuroImage: Clinical</i> , 2013 , 3, 416-28	5.3	22
77	Functional MRI evidence for fine motor praxis dysfunction in children with persistent speech disorders. <i>Brain Research</i> , 2015 , 1597, 47-56	3.7	22
76	Functional magnetic resonance imaging of cognitive processing in young adults with Down syndrome. <i>American Journal on Intellectual and Developmental Disabilities</i> , 2011 , 116, 344-59	2.2	22
75	Diffusion tensor imaging of white matter injury in a rat model of infantile hydrocephalus. <i>Child's Nervous System</i> , 2012 , 28, 47-54	1.7	21
74	A linear structural equation model for covert verb generation based on independent component analysis of fMRI data from children and adolescents. <i>Frontiers in Systems Neuroscience</i> , 2011 , 5, 29	3.5	21
73	Neural correlates of interference control in adolescents with traumatic brain injury: functional magnetic resonance imaging study of the counting stroop task. <i>Journal of the International Neuropsychological Society</i> , 2011 , 17, 181-9	3.1	21
72	Longitudinal comparison of diffusion tensor imaging parameters and neuropsychological measures following endoscopic third ventriculostomy for hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2012 , 9, 630-5	2.1	21
71	Neuromagnetic measures of word processing in bilinguals and monolinguals. <i>Clinical Neurophysiology</i> , 2011 , 122, 1706-17	4.3	20
70	Multiple sclerosis: pathogenesis and MR imaging features of T1 hypointensities in a [corrected] murine model. <i>Radiology</i> , 2008 , 246, 790-5	20.5	20
69	Amygdala-prefrontal cortical functional connectivity during implicit emotion processing differentiates youth with bipolar spectrum from youth with externalizing disorders. <i>Journal of Affective Disorders</i> , 2017 , 208, 94-100	6.6	19
68	A semi-supervised Support Vector Machine model for predicting the language outcomes following cochlear implantation based on pre-implant brain fMRI imaging. <i>Brain and Behavior</i> , 2015 , 5, e00391	3.4	19
67	Compensatory brain activation for recognition memory in patients with medication-resistant epilepsy. <i>Epilepsy and Behavior</i> , 2008 , 13, 463-9	3.2	19
66	Pseudo continuous arterial spin labeling quantification in anemic subjects with hyperemic cerebral blood flow. <i>Magnetic Resonance Imaging</i> , 2018 , 47, 137-146	3.3	19
65	Characterizing Information Flux Within the Distributed Pediatric Expressive Language Network: A Core Region Mapped Through fMRI-Constrained MEG Effective Connectivity Analyses. <i>Brain Connectivity</i> , 2016 , 6, 76-83	2.7	18

64	Associations between home literacy environment, brain white matter integrity and cognitive abilities in preschool-age children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020 , 109, 1376-1386	3.1	18
63	Functional magnetic resonance imaging of story listening in adolescents and young adults with Down syndrome: evidence for atypical neurodevelopment. <i>Journal of Intellectual Disability Research</i> , 2014 , 58, 892-902	3.2	17
62	Neural correlates of risky decision making in adolescents with and without traumatic brain injury using the balloon analog risk task. <i>Developmental Neuropsychology</i> , 2012 , 37, 176-83	1.8	17
61	¹⁹ F NMR monitoring of in vivo tumor metabolism after biochemical modulation of 5-fluorouracil by the uridine phosphorylase inhibitor 5-benzylacetylouridine. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 907-16	4.4	17
60	Extremely preterm children exhibit increased interhemispheric connectivity for language: findings from fMRI-constrained MEG analysis. <i>Developmental Science</i> , 2018 , 21, e12669	4.5	16
59	Reprint of "Cortical reorganization of language functioning following perinatal left MCA stroke" [Brain and Language 105 (2008) 99-111]. <i>Brain and Language</i> , 2008 , 106, 184-94	2.9	16
58	Differences in functional brain network connectivity during stories presented in audio, illustrated, and animated format in preschool-age children. <i>Brain Imaging and Behavior</i> , 2020 , 14, 130-141	4.1	16
57	Longitudinal fMRI study of language recovery after a left hemispheric ischemic stroke. <i>Restorative Neurology and Neuroscience</i> , 2018 , 36, 359-385	2.8	16
56	Maternal reading fluency is positively associated with greater functional connectivity between the child's future reading network and regions related to executive functions and language processing in preschool-age children. <i>Brain and Cognition</i> , 2018 , 121, 17-23	2.7	15
55	The feasibility of improving discourse in people with aphasia through AAC: Clinical and functional MRI correlates. <i>Aphasiology</i> , 2018 , 32, 693-719	1.6	15
54	Altered white matter microstructure underlies listening difficulties in children suspected of auditory processing disorders: a DTI study. <i>Brain and Behavior</i> , 2014 , 4, 531-43	3.4	15
53	Concordance of MEG and fMRI patterns in adolescents during verb generation. <i>Brain Research</i> , 2012 , 1447, 79-90	3.7	14
52	Neural substrate differences in language networks and associated language-related behavioral impairments in children with TBI: a preliminary fMRI investigation. <i>NeuroRehabilitation</i> , 2007 , 22, 355-69 ²		14
51	fMRI as a Preimplant Objective Tool to Predict Postimplant Oral Language Outcomes in Children with Cochlear Implants. <i>Ear and Hearing</i> , 2016 , 37, e263-72	3.4	14
50	Relationship between receptive vocabulary and the neural substrates for story processing in preschoolers. <i>Brain Imaging and Behavior</i> , 2015 , 9, 43-55	4.1	13
49	Abnormal structural connectivity in the brain networks of children with hydrocephalus. <i>NeuroImage: Clinical</i> , 2015 , 8, 483-92	5.3	13
48	Can Emotional and Behavioral Dysregulation in Youth Be Decoded from Functional Neuroimaging?. <i>PLoS ONE</i> , 2016 , 11, e0117603	3.7	13
47	Obese adolescents with type 2 diabetes perform worse than controls on cognitive and behavioral assessments. <i>Pediatric Diabetes</i> , 2017 , 18, 297-303	3.6	12

46	Unanticipated findings in pediatric neuroimaging research: prevalence of abnormalities and process for reporting and clinical follow-up. <i>Brain Imaging and Behavior</i> , 2015 , 9, 32-42	4.1	12
45	Periventricular hyperintensity in children with hydrocephalus. <i>Pediatric Radiology</i> , 2015 , 45, 1189-97	2.8	12
44	Data on the safety of repeated MRI in healthy children. <i>NeuroImage: Clinical</i> , 2014 , 4, 526-30	5.3	12
43	Predicting better performance on a college preparedness test from narrative comprehension at the age of 6 years: An fMRI study. <i>Brain Research</i> , 2015 , 1629, 54-62	3.7	11
42	Objective and Automated Detection of Diffuse White Matter Abnormality in Preterm Infants Using Deep Convolutional Neural Networks. <i>Frontiers in Neuroscience</i> , 2019 , 13, 610	5.1	11
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