

# Todd B Parrish

## List of Publications by Citations

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191  
papers

17,124  
citations

69  
h-index

129  
g-index

209  
ext. papers

19,184  
ext. citations

5.5  
avg, IF

6.27  
L-index

#	Paper	IF	Citations
191	Relationship of MRI delayed contrast enhancement to irreversible injury, infarct age, and contractile function. <i>Circulation</i> , <b>1999</b> , 100, 1992-2002	16.7	1961
190	Chronic back pain is associated with decreased prefrontal and thalamic gray matter density. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 10410-5	6.6	993
189	Dissociation of neural representation of intensity and affective valuation in human gustation. <i>Neuron</i> , <b>2003</b> , 39, 701-11	13.9	623
188	A large-scale distributed network for covert spatial attention: further anatomical delineation based on stringent behavioural and cognitive controls. <i>Brain</i> , <b>1999</b> , 122 ( Pt 6), 1093-106	11.2	561
187	Chronic pain and the emotional brain: specific brain activity associated with spontaneous fluctuations of intensity of chronic back pain. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 12165-73	6.6	510
186	Neuroanatomic overlap of working memory and spatial attention networks: a functional MRI comparison within subjects. <i>NeuroImage</i> , <b>1999</b> , 10, 695-704	7.9	445
185	Retrospective estimation and correction of physiological fluctuation in functional MRI. <i>Magnetic Resonance in Medicine</i> , <b>1995</b> , 34, 201-12	4.4	390
184	The brain in chronic CRPS pain: abnormal gray-white matter interactions in emotional and autonomic regions. <i>Neuron</i> , <b>2008</b> , 60, 570-81	13.9	372
183	Hunger selectively modulates corticolimbic activation to food stimuli in humans. <i>Behavioral Neuroscience</i> , <b>2001</b> , 115, 493-500	2.1	349
182	Experience-dependent neural integration of taste and smell in the human brain. <i>Journal of Neurophysiology</i> , <b>2004</b> , 92, 1892-903	3.2	301
181	The large-scale neural network for spatial attention displays multifunctional overlap but differential asymmetry. <i>NeuroImage</i> , <b>1999</b> , 9, 269-77	7.9	296
180	Neural development of selective attention and response inhibition. <i>NeuroImage</i> , <b>2003</b> , 20, 737-51	7.9	263
179	The posterior cingulate and medial prefrontal cortex mediate the anticipatory allocation of spatial attention. <i>NeuroImage</i> , <b>2003</b> , 18, 633-41	7.9	256
178	Functional anatomy of intra- and cross-modal lexical tasks. <i>NeuroImage</i> , <b>2002</b> , 16, 7-22	7.9	254
177	Aversive learning enhances perceptual and cortical discrimination of indiscriminable odor cues. <i>Science</i> , <b>2008</b> , 319, 1842-5	33.3	249
176	Larger deficits in brain networks for response inhibition than for visual selective attention in attention deficit hyperactivity disorder (ADHD). <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , <b>2005</b> , 46, 94-111	7.9	246
175	The prepared mind: neural activity prior to problem presentation predicts subsequent solution by sudden insight. <i>Psychological Science</i> , <b>2006</b> , 17, 882-90	7.9	242

174	Dynamic cultural influences on neural representations of the self. <i>Journal of Cognitive Neuroscience</i> , <b>2010</b> , 22, 1-11	3.1	223
173	Neural basis of individualistic and collectivistic views of self. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 2813-20	5.9	215
172	Monetary incentives enhance processing in brain regions mediating top-down control of attention. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 1855-65	5.1	207
171	A brain mechanism for facilitation of insight by positive affect. <i>Journal of Cognitive Neuroscience</i> , <b>2009</b> , 21, 415-32	3.1	201
170	Impact of signal-to-noise on functional MRI. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 44, 925-32	4.4	197
169	Modality independence of word comprehension. <i>Human Brain Mapping</i> , <b>2002</b> , 16, 251-61	5.9	195
168	Functional specificity of superior parietal mediation of spatial shifting. <i>NeuroImage</i> , <b>2001</b> , 14, 661-73	7.9	195
167	Anatomical and functional assemblies of brain BOLD oscillations. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 7910-6	6.9	186
166	Development of brain mechanisms for processing orthographic and phonologic representations. <i>Journal of Cognitive Neuroscience</i> , <b>2004</b> , 16, 1234-49	3.1	186
165	Brain networks for analyzing eye gaze. <i>Cognitive Brain Research</i> , <b>2003</b> , 17, 406-18		169
164	Neural characteristics of successful and less successful speech and word learning in adults. <i>Human Brain Mapping</i> , <b>2007</b> , 28, 995-1006	5.9	160
163	Volume of left Heschl's Gyrus and linguistic pitch learning. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 828-36	5.1	153
162	Contrast magnetic resonance imaging in the assessment of myocardial viability in patients with stable coronary artery disease and left ventricular dysfunction. <i>Circulation</i> , <b>1998</b> , 98, 2687-94	16.7	146
161	Cultural influences on neural basis of intergroup empathy. <i>NeuroImage</i> , <b>2011</b> , 57, 642-50	7.9	145
160	On the use of caffeine as a contrast booster for BOLD fMRI studies. <i>NeuroImage</i> , <b>2002</b> , 15, 37-44	7.9	145
159	Heterogeneity of cingulate contributions to spatial attention. <i>NeuroImage</i> , <b>2001</b> , 13, 1065-72	7.9	145
158	Neural representations of social status hierarchy in human inferior parietal cortex. <i>Neuropsychologia</i> , <b>2009</b> , 47, 354-63	3.2	144
157	Relating structure to function: Heschl's gyrus and acoustic processing. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 61-9	6.6	141

156	Neural correlates of verb argument structure processing. <i>Journal of Cognitive Neuroscience</i> , <b>2007</b> , 19, 1753-67	3.1	141
155	Language network specializations: an analysis with parallel task designs and functional magnetic resonance imaging. <i>NeuroImage</i> , <b>2005</b> , 26, 975-85	7.9	140
154	Learning to smell the roses: experience-dependent neural plasticity in human piriform and orbitofrontal cortices. <i>Neuron</i> , <b>2006</b> , 52, 1097-108	13.9	134
153	3-D FLASH imaging using a single surface coil and a new adiabatic pulse, BIR-4. <i>Investigative Radiology</i> , <b>1990</b> , 25, 559-67	10.1	129
152	Dissociating explicit and implicit category knowledge with fMRI. <i>Journal of Cognitive Neuroscience</i> , <b>2003</b> , 15, 574-83	3.1	120
151	Selective neurophysiologic responses to music in instrumentalists with different listening biographies. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 267-75	5.9	119
150	Hemodynamic response function in patients with stroke-induced aphasia: implications for fMRI data analysis. <i>NeuroImage</i> , <b>2007</b> , 36, 322-31	7.9	118
149	Primary progressive aphasia: PPA and the language network. <i>Annals of Neurology</i> , <b>2003</b> , 53, 35-49	9.4	115
148	Altered effective connectivity within the language network in primary progressive aphasia. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 1334-45	6.6	114
147	Relation between brain activation and lexical performance. <i>Human Brain Mapping</i> , <b>2003</b> , 19, 155-69	5.9	113
146	Neural correlates of successful encoding identified using functional magnetic resonance imaging. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 9541-8	6.6	112
145	Functional anatomy of visual search: regional segregations within the frontal eye fields and effective connectivity of the superior colliculus. <i>NeuroImage</i> , <b>2002</b> , 15, 970-82	7.9	110
144	Relationship of elevated <sup>23</sup> Na magnetic resonance image intensity to infarct size after acute reperfused myocardial infarction. <i>Circulation</i> , <b>1999</b> , 100, 185-92	16.7	110
143	Right orbitofrontal cortex mediates conscious olfactory perception. <i>Psychological Science</i> , <b>2010</b> , 21, 1454-63	10.6	106
142	Predicting functional gains in a stroke trial. <i>Stroke</i> , <b>2007</b> , 38, 2108-14	6.7	105
141	Reduction of field of view for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , <b>1994</b> , 31, 691-4	4.4	103
140	Bradykinin antagonism inhibits the antigrowth effect of converting enzyme inhibition in the dog myocardium after discrete transmural myocardial necrosis. <i>Circulation</i> , <b>1995</b> , 91, 2043-8	16.7	99
139	Epidural Electrical Stimulation for Stroke Rehabilitation: Results of the Prospective, Multicenter, Randomized, Single-Blinded Everest Trial. <i>Neurorehabilitation and Neural Repair</i> , <b>2016</b> , 30, 107-19	4.7	98

138	Cortical mechanisms of speech perception in noise. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2008</b> , 51, 1026-41	2.8	98
137	Neural correlates of sexual arousal in homosexual and heterosexual men. <i>Behavioral Neuroscience</i> , <b>2007</b> , 121, 237-48	2.1	96
136	Neural evidence that vivid imagining can lead to false remembering. <i>Psychological Science</i> , <b>2004</b> , 15, 655-60	7.9	96
135	The development of specialized brain systems in reading and oral-language. <i>Child Neuropsychology</i> , <b>2001</b> , 7, 119-41	2.7	95
134	Neural activity of inferences during story comprehension. <i>Brain Research</i> , <b>2006</b> , 1084, 104-14	3.7	90
133	Impact of signal-to-noise on functional MRI of the human amygdala. <i>NeuroReport</i> , <b>2001</b> , 12, 3461-4	1.7	84
132	Caffeine dose effect on activation-induced BOLD and CBF responses. <i>NeuroImage</i> , <b>2009</b> , 46, 577-83	7.9	82
131	Argument structure effects in action verb naming in static and dynamic conditions. <i>Journal of Neurolinguistics</i> , <b>2009</b> , 22, 196-215	1.9	80
130	Caffeine's effects on cerebrovascular reactivity and coupling between cerebral blood flow and oxygen metabolism. <i>NeuroImage</i> , <b>2009</b> , 44, 647-52	7.9	79
129	Neural plasticity and treatment-induced recovery of sentence processing in agrammatism. <i>Neuropsychologia</i> , <b>2010</b> , 48, 3211-27	3.2	79
128	Myocardial perfusion and function in dogs with moderate coronary stenosis. <i>Magnetic Resonance in Medicine</i> , <b>1996</b> , 35, 771-80	4.4	79
127	Hemodynamic response changes in cerebrovascular disease: implications for functional MR imaging. <i>American Journal of Neuroradiology</i> , <b>2002</b> , 23, 1222-8	4.4	78
126	Abnormalities in resting-state functional connectivity in early human immunodeficiency virus infection. <i>Brain Connectivity</i> , <b>2011</b> , 1, 207-17	2.7	75
125	Continuous update with random encoding (CURE): a new strategy for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , <b>1995</b> , 33, 326-36	4.4	75
124	The Rapid and Progressive Degeneration of the Cervical Multifidus in Whiplash: An MRI Study of Fatty Infiltration. <i>Spine</i> , <b>2015</b> , 40, E694-700	3.3	72
123	Neural correlates of person recognition. <i>Learning and Memory</i> , <b>2003</b> , 10, 253-60	2.8	72
122	Location- or feature-based targeting of peripheral attention. <i>NeuroImage</i> , <b>2001</b> , 14, 37-47	7.9	67
121	Neural correlates of artificial grammar learning. <i>NeuroImage</i> , <b>2002</b> , 17, 1306-14	7.9	65

120	MRI compatibility and visibility assessment of implantable medical devices. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 9, 596-603	5.6	65
119	Muscle-fat MRI: 1.5 Tesla and 3.0 Tesla versus histology. <i>Muscle and Nerve</i> , <b>2014</b> , 50, 170-6	3.4	63
118	Neural correlates of skill acquisition: decreased cortical activity during a serial interception sequence learning task. <i>NeuroImage</i> , <b>2011</b> , 58, 1150-7	7.9	62
117	Theory and methods in cultural neuroscience. <i>Social Cognitive and Affective Neuroscience</i> , <b>2010</b> , 5, 356-61	4	60
116	Identification of critical areas for motor function recovery in chronic stroke subjects using voxel-based lesion symptom mapping. <i>NeuroImage</i> , <b>2010</b> , 49, 9-18	7.9	60
115	Modality-specific and -independent developmental differences in the neural substrate for lexical processing. <i>Journal of Neurolinguistics</i> , <b>2003</b> , 16, 383-405	1.9	59
114	Real-time monitoring of eye movements using infrared video-oculography during functional magnetic resonance imaging of the frontal eye fields. <i>NeuroImage</i> , <b>2000</b> , 11, 58-65	7.9	54
113	Neural correlates of sexual arousal in heterosexual and homosexual women and men. <i>Hormones and Behavior</i> , <b>2013</b> , 64, 673-84	3.7	51
112	Rapid, accurate and simultaneous noninvasive assessment of right and left ventricular mass with nuclear magnetic resonance imaging using the snapshot gradient method. <i>Journal of the American College of Cardiology</i> , <b>1992</b> , 19, 1601-7	15.1	50
111	Inferences during story comprehension: cortical recruitment affected by predictability of events and working memory capacity. <i>Journal of Cognitive Neuroscience</i> , <b>2008</b> , 20, 2274-84	3.1	48
110	Lumbosacral cerebrospinal fluid volume in humans using three-dimensional magnetic resonance imaging. <i>Anesthesia and Analgesia</i> , <b>2006</b> , 103, 1306-10	3.9	46
109	Cultural modulation of the neural correlates of emotional pain perception: the role of other-focusedness. <i>Neuropsychologia</i> , <b>2013</b> , 51, 1177-86	3.2	43
108	Familiarity and conceptual priming engage distinct cortical networks. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 1712-9	5.1	42
107	Higher Peripheral Inflammatory Signaling Associated With Lower Resting-State Functional Brain Connectivity in Emotion Regulation and Central Executive Networks. <i>Biological Psychiatry</i> , <b>2019</b> , 86, 1537-182	7.9	41
106	Neuroimaging in aphasia treatment research: consensus and practical guidelines for data analysis. <i>NeuroImage</i> , <b>2013</b> , 73, 215-24	7.9	39
105	Placebo-Controlled Trial of Familiar Auditory Sensory Training for Acute Severe Traumatic Brain Injury: A Preliminary Report. <i>Neurorehabilitation and Neural Repair</i> , <b>2015</b> , 29, 537-47	4.7	37
104	Alterations in brain activation during cognitive empathy are related to social functioning in schizophrenia. <i>Schizophrenia Bulletin</i> , <b>2015</b> , 41, 211-22	1.3	36
103	Sleep deprivation alters functioning within the neural network underlying the covert orienting of attention. <i>Brain Research</i> , <b>2008</b> , 1217, 148-56	3.7	36

102	Context dependency in the globus pallidus internal segment during targeted arm movements. <i>Journal of Neurophysiology</i> , <b>2001</b> , 85, 998-1004	3.2	35
101	A simple ERP method for quantitative analysis of cognitive workload in myoelectric prosthesis control and human-machine interaction. <i>PLoS ONE</i> , <b>2014</b> , 9, e112091	3.7	33
100	Neurite orientation dispersion and density imaging (NODDI) and free-water imaging in Parkinsonism. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 5094-5107	5.9	30
99	Distinct medial temporal contributions to different forms of recognition in amnesic mild cognitive impairment and Alzheimer's disease. <i>Neuropsychologia</i> , <b>2013</b> , 51, 2450-61	3.2	30
98	Deep Learning Convolutional Neural Networks for the Automatic Quantification of Muscle Fat Infiltration Following Whiplash Injury. <i>Scientific Reports</i> , <b>2019</b> , 9, 7973	4.9	28
97	Quantification of cervical spine muscle fat: a comparison between T1-weighted and multi-echo gradient echo imaging using a variable projection algorithm (VARPRO). <i>BMC Medical Imaging</i> , <b>2013</b> , 13, 30	2.9	28
96	Development and Validation of the Automated Imaging Differentiation in Parkinsonism (AID-P): A Multi-Site Machine Learning Study. <i>The Lancet Digital Health</i> , <b>2019</b> , 1, e222-e231	14.4	27
95	White matter microstructure changes induced by motor skill learning utilizing a body machine interface. <i>NeuroImage</i> , <b>2014</b> , 88, 32-40	7.9	27
94	Reproducibility of structural, resting-state BOLD and DTI data between identical scanners. <i>PLoS ONE</i> , <b>2012</b> , 7, e47684	3.7	27
93	Evidence for Immediate Enhancement of Hippocampal Memory Encoding by Network-Targeted Theta-Burst Stimulation during Concurrent fMRI. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 7155-7168	6.6	27
92	EEG measures index neural and cognitive recovery from sleep deprivation. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 2686-93	6.6	26
91	A new T2 preparation technique for ultrafast gradient-echo sequence. <i>Magnetic Resonance in Medicine</i> , <b>1994</b> , 32, 652-7	4.4	26
90	Functional connectivity in central executive network protects youth against cardiometabolic risks linked with neighborhood violence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 12063-12068	11.5	26
89	Lateralization of cervical spinal cord activity during an isometric upper extremity motor task with functional magnetic resonance imaging. <i>NeuroImage</i> , <b>2016</b> , 125, 233-243	7.9	25
88	An investigation of cerebral oxygen utilization, blood flow and cognition in healthy aging. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197055	3.7	25
87	Functional magnetic resonance imaging of real and sham acupuncture. Noninvasively measuring cortical activation from acupuncture. <i>IEEE Engineering in Medicine and Biology Magazine</i> , <b>2005</b> , 24, 35-40		24
86	Functional changes in temporal lobe activity during transient global amnesia. <i>Neurology</i> , <b>2002</b> , 58, 638-46.5		24
85	Multisite, multimodal neuroimaging of chronic urological pelvic pain: Methodology of the MAPP Research Network. <i>NeuroImage: Clinical</i> , <b>2016</b> , 12, 65-77	5.3	24



84	Priming effects in the fusiform gyrus: changes in neural activity beyond the second presentation. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 787-95	5.1	23
83	Neuroimaging modality fusion in Alzheimer's classification using convolutional neural networks. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225759	3.7	23
82	Brain-behavior correlation in children depends on the neurocognitive network. <i>Human Brain Mapping</i> , <b>2004</b> , 23, 99-108	5.9	22
81	Regional Cerebrovascular Reactivity and Cognitive Performance in Healthy Aging. <i>Journal of Experimental Neuroscience</i> , <b>2018</b> , 12, 1179069518785151	3.6	21
80	Potential associations between chronic whiplash and incomplete spinal cord injury. <i>Spinal Cord Series and Cases</i> , <b>2015</b> , 1,	1.4	21
79	New Insights into the Fractional Order Diffusion Equation Using Entropy and Kurtosis. <i>Entropy</i> , <b>2014</b> , 16, 5838-5852	2.8	21
78	Subcortical structural variations associated with low socioeconomic status in adolescents. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 162-171	5.9	21
77	Hybridization-induced "off-on" <sup>19</sup> F-NMR signal probe release from DNA-functionalized gold nanoparticles. <i>Small</i> , <b>2011</b> , 7, 1977-81	11	19
76	Lateral Corticospinal Tract Damage Correlates With Motor Output in Incomplete Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2018</b> , 99, 660-666	2.8	18
75	Functional neuronal network activity differs with cognitive dysfunction in childhood-onset systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , <b>2013</b> , 15, R40	5.7	18
74	Brain morphometric changes associated with childhood-onset systemic lupus erythematosus and neurocognitive deficit. <i>Arthritis and Rheumatism</i> , <b>2013</b> , 65, 2190-200		18
73	Reorganization of cortical language areas in patients with aphasia: a functional MRI study. <i>Yonsei Medical Journal</i> , <b>2002</b> , 43, 441-5	3	18
72	Thermal Stimulation Alters Cervical Spinal Cord Functional Connectivity in Humans. <i>Neuroscience</i> , <b>2018</b> , 369, 40-50	3.9	18
71	Altered resting-state functional connectivity of the putamen and internal globus pallidus is related to speech impairment in Parkinson's disease. <i>Brain and Behavior</i> , <b>2018</b> , 8, e01073	3.4	17
70	Content not quantity is a better measure of muscle degeneration in whiplash. <i>Manual Therapy</i> , <b>2013</b> , 18, 578-82		17
69	Mechanisms underlying chronic whiplash: contributions from an incomplete spinal cord injury?. <i>Pain Medicine</i> , <b>2014</b> , 15, 1938-44	2.8	17
68	Preliminary framework for Familiar Auditory Sensory Training (FAST) provided during coma recovery. <i>Journal of Rehabilitation Research and Development</i> , <b>2012</b> , 49, 1137-52		17
67	Hybrid technique for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 44, 51-5	4.4	17



66	Cultural influences on neural basis of inhibitory control. <i>NeuroImage</i> , <b>2016</b> , 139, 114-126	7.9	16
65	The Northwestern University Neuroimaging Data Archive (NUNDA). <i>NeuroImage</i> , <b>2016</b> , 124, 1131-1136	7.9	16
64	A deep symmetry convnet for stroke lesion segmentation <b>2016</b> ,		15
63	Right Hemisphere Grey Matter Volume and Language Functions in Stroke Aphasia. <i>Neural Plasticity</i> , <b>2017</b> , 2017, 5601509	3.3	15
62	Parsimonious continuous time random walk models and kurtosis for diffusion in magnetic resonance of biological tissue. <i>Frontiers in Physics</i> , <b>2015</b> , 3,	3.9	15
61	Quantitative Magnetization Transfer MRI Measurements of the Anterior Spinal Cord Region are Associated With Clinical Outcomes in Cervical Spondylotic Myelopathy. <i>Spine</i> , <b>2018</b> , 43, 675-680	3.3	15
60	Intrahemispheric Perfusion in Chronic Stroke-Induced Aphasia. <i>Neural Plasticity</i> , <b>2017</b> , 2017, 2361691	3.3	14
59	Fatty infiltration of the cervical multifidus musculature and their clinical correlates in spondylotic myelopathy. <i>Journal of Clinical Neuroscience</i> , <b>2018</b> , 57, 208-213	2.2	14
58	HIV disease and diabetes interact to affect brain white matter hyperintensities and cognition. <i>Aids</i> , <b>2018</b> , 32, 1803-1810	3.5	14
57	Functional magnetic resonance imaging of the cervical spinal cord during thermal stimulation across consecutive runs. <i>NeuroImage</i> , <b>2016</b> , 143, 267-279	7.9	13
56	Effects of acute levodopa challenge on resting cerebral blood flow in Parkinson's Disease patients assessed using pseudo-continuous arterial spin labeling. <i>PeerJ</i> , <b>2015</b> , 3, e1381	3.1	13
55	Body-Machine Interfaces after Spinal Cord Injury: Rehabilitation and Brain Plasticity. <i>Brain Sciences</i> , <b>2016</b> , 6,	3.4	13
54	Common and distinct neural substrates of sentence production and comprehension. <i>NeuroImage</i> , <b>2021</b> , 224, 117374	7.9	12
53	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , <b>2021</b> , 16, 4611-4638	8.8	11
52	Cumulative Blood Pressure Exposure, Basal Ganglia, and Thalamic Morphology in Midlife. <i>Hypertension</i> , <b>2020</b> , 75, 1289-1295	8.5	10
51	Transcranial direct current stimulation and aphasia: the case of mr. C. <i>Topics in Stroke Rehabilitation</i> , <b>2013</b> , 20, 5-21	2.6	10
50	Decoding multiple sound categories in the human temporal cortex using high resolution fMRI. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117303	3.7	10
49	Tract-Specific Volume Loss on 3T MRI in Patients With Cervical Spondylotic Myelopathy. <i>Spine</i> , <b>2018</b> , 43, E1204-E1209	3.3	9

48	Functional impact of an increase in ventricular mass after myocardial damage and its attenuation by converting enzyme inhibition. <i>Journal of Cardiac Failure</i> , <b>1998</b> , 4, 203-12	3.3	8
47	Development of 3D method to assess intramuscular spatial distribution of fat infiltration in patients with rotator cuff tear: reliability and concurrent validity. <i>BMC Musculoskeletal Disorders</i> , <b>2019</b> , 20, 295	2.8	7
46	A method to capture six-degrees-of-freedom mechanical measurements of isometric shoulder and elbow torques during event-related fMRI. <i>Journal of Neuroscience Methods</i> , <b>2007</b> , 161, 314-22	3	7
45	Does Overall Cervical Spine Pathology Relate to the Clinical Heterogeneity of Chronic Whiplash?. <i>American Journal of Emergency Medicine</i> , <b>2020</b> , 38, 869-873	2.9	6
44	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , <b>2021</b> , 8, 219	8.2	6
43	Muscle fat infiltration following whiplash: A computed tomography and magnetic resonance imaging comparison. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234061	3.7	5
42	Differential neurocognitive network perturbation in amnesic and aphasic Alzheimer disease. <i>Neurology</i> , <b>2020</b> , 94, e699-e704	6.5	5
41	Imaging modalities and tests for cervical myelopathy. <i>Seminars in Spine Surgery</i> , <b>2014</b> , 26, 68-72	0.2	5
40	Multi-muscle deep learning segmentation to automate the quantification of muscle fat infiltration in cervical spine conditions. <i>Scientific Reports</i> , <b>2021</b> , 11, 16567	4.9	5
39	Brain Network Disruption in Whiplash. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 994-1000	4.4	4
38	Assessing the spatial distribution of cervical spinal cord activity during tactile stimulation of the upper extremity in humans with functional magnetic resonance imaging. <i>NeuroImage</i> , <b>2020</b> , 217, 116905	7.9	4
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