

Todd B Parrish

List of Publications by Year in descending order

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Version: 2024-02-01

197
papers

20,769
citations

9786

73
h-index

10445

139
g-index

209
all docs

209
docs citations

209
times ranked

20137
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship of MRI Delayed Contrast Enhancement to Irreversible Injury, Infarct Age, and Contractile Function. <i>Circulation</i> , 1999, 100, 1992-2002.	1.6	2,310
2	Chronic Back Pain Is Associated with Decreased Prefrontal and Thalamic Gray Matter Density. <i>Journal of Neuroscience</i> , 2004, 24, 10410-10415.	3.6	1,223
3	Dissociation of Neural Representation of Intensity and Affective Valuation in Human Gustation. <i>Neuron</i> , 2003, 39, 701-711.	8.1	707
4	Chronic Pain and the Emotional Brain: Specific Brain Activity Associated with Spontaneous Fluctuations of Intensity of Chronic Back Pain. <i>Journal of Neuroscience</i> , 2006, 26, 12165-12173.	3.6	630
5	A large-scale distributed network for covert spatial attention. <i>Brain</i> , 1999, 122, 1093-1106.	7.6	606
6	Neuroanatomic Overlap of Working Memory and Spatial Attention Networks: A Functional MRI Comparison within Subjects. <i>NeuroImage</i> , 1999, 10, 695-704.	4.2	482
7	The Brain in Chronic CRPS Pain: Abnormal Gray-White Matter Interactions in Emotional and Autonomic Regions. <i>Neuron</i> , 2008, 60, 570-581.	8.1	440
8	Retrospective estimation and correction of physiological fluctuation in functional MRI. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 201-212.	3.0	439
9	Hunger selectively modulates corticolimbic activation to food stimuli in humans.. <i>Behavioral Neuroscience</i> , 2001, 115, 493-500.	1.2	385
10	The Prepared Mind. <i>Psychological Science</i> , 2006, 17, 882-890.	3.3	347
11	Experience-Dependent Neural Integration of Taste and Smell in the Human Brain. <i>Journal of Neurophysiology</i> , 2004, 92, 1892-1903.	1.8	334
12	The Large-Scale Neural Network for Spatial Attention Displays Multifunctional Overlap But Differential Asymmetry. <i>NeuroImage</i> , 1999, 9, 269-277.	4.2	319
13	Neural development of selective attention and response inhibition. <i>NeuroImage</i> , 2003, 20, 737-751.	4.2	300
14	Functional Anatomy of Intra- and Cross-Modal Lexical Tasks. <i>NeuroImage</i> , 2002, 16, 7-22.	4.2	294
15	The posterior cingulate and medial prefrontal cortex mediate the anticipatory allocation of spatial attention. <i>NeuroImage</i> , 2003, 18, 633-641.	4.2	291
16	Aversive Learning Enhances Perceptual and Cortical Discrimination of Indiscriminable Odor Cues. <i>Science</i> , 2008, 319, 1842-1845.	12.6	285
17	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> , 2005, 46, 94-111.	5.2	280
18	Dynamic Cultural Influences on Neural Representations of the Self. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1-11.	2.3	260

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19	A Brain Mechanism for Facilitation of Insight by Positive Affect. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 415-432.	2.3	255
20	Neural basis of individualistic and collectivistic views of self. <i>Human Brain Mapping</i> , 2009, 30, 2813-2820.	3.6	255
21	Impact of signal-to-noise on functional MRI. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 925-932.	3.0	240
22	Anatomical and Functional Assemblies of Brain BOLD Oscillations. <i>Journal of Neuroscience</i> , 2011, 31, 7910-7919.	3.6	239
23	Monetary Incentives Enhance Processing in Brain Regions Mediating Top-down Control of Attention. <i>Cerebral Cortex</i> , 2005, 15, 1855-1865.	2.9	228
24	Modality independence of word comprehension. <i>Human Brain Mapping</i> , 2002, 16, 251-261.	3.6	218
25	Development of Brain Mechanisms for Processing Orthographic and Phonologic Representations. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 1234-1249.	2.3	215
26	Functional Specificity of Superior Parietal Mediation of Spatial Shifting. <i>NeuroImage</i> , 2001, 14, 661-673.	4.2	213
27	Neural characteristics of successful and less successful speech and word learning in adults. <i>Human Brain Mapping</i> , 2007, 28, 995-1006.	3.6	199
28	Brain networks for analyzing eye gaze. <i>Cognitive Brain Research</i> , 2003, 17, 406-418.	3.0	195
29	Relating Structure to Function: Heschl's Gyrus and Acoustic Processing. <i>Journal of Neuroscience</i> , 2009, 29, 61-69.	3.6	193
30	Cultural influences on neural basis of intergroup empathy. <i>NeuroImage</i> , 2011, 57, 642-650.	4.2	190
31	Volume of Left Heschl's Gyrus and Linguistic Pitch Learning. <i>Cerebral Cortex</i> , 2008, 18, 828-836.	2.9	184
32	Contrast Magnetic Resonance Imaging in the Assessment of Myocardial Viability in Patients With Stable Coronary Artery Disease and Left Ventricular Dysfunction. <i>Circulation</i> , 1998, 98, 2687-2694.	1.6	175
33	Neural representations of social status hierarchy in human inferior parietal cortex. <i>Neuropsychologia</i> , 2009, 47, 354-363.	1.6	173
34	Neural Correlates of Verb Argument Structure Processing. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1753-1767.	2.3	167
35	Learning to Smell the Roses: Experience-Dependent Neural Plasticity in Human Piriform and Orbitofrontal Cortices. <i>Neuron</i> , 2006, 52, 1097-1108.	8.1	165
36	On the Use of Caffeine as a Contrast Booster for BOLD fMRI Studies. <i>NeuroImage</i> , 2002, 15, 37-44.	4.2	163

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37	Heterogeneity of Cingulate Contributions to Spatial Attention. <i>NeuroImage</i> , 2001, 13, 1065-1072.	4.2	155
38	Language network specializations: An analysis with parallel task designs and functional magnetic resonance imaging. <i>NeuroImage</i> , 2005, 26, 975-985.	4.2	154
39	Dissociating Explicit and Implicit Category Knowledge with fMRI. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 574-583.	2.3	144
40	Hemodynamic response function in patients with stroke-induced aphasia: Implications for fMRI data analysis. <i>NeuroImage</i> , 2007, 36, 322-331.	4.2	141
41	3-D FLASH Imaging Using a Single Surface Coil and a New Adiabatic Pulse, BIR-4. <i>Investigative Radiology</i> , 1990, 25, 559-567.	6.2	138
42	Selective neurophysiologic responses to music in instrumentalists with different listening biographies. <i>Human Brain Mapping</i> , 2009, 30, 267-275.	3.6	137
43	Relation between brain activation and lexical performance. <i>Human Brain Mapping</i> , 2003, 19, 155-169.	3.6	134
44	Primary progressive aphasia: PPA and the language network. <i>Annals of Neurology</i> , 2003, 53, 35-49.	5.3	134
45	Epidural Electrical Stimulation for Stroke Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 107-119.	2.9	131
46	Neural Evidence That Vivid Imagining Can Lead to False Remembering. <i>Psychological Science</i> , 2004, 15, 655-660.	3.3	130
47	Altered Effective Connectivity within the Language Network in Primary Progressive Aphasia. <i>Journal of Neuroscience</i> , 2007, 27, 1334-1345.	3.6	129
48	Neural Correlates of Successful Encoding Identified Using Functional Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2002, 22, 9541-9548.	3.6	125
49	Relationship of Elevated ²³ Na Magnetic Resonance Image Intensity to Infarct Size After Acute Reperfused Myocardial Infarction. <i>Circulation</i> , 1999, 100, 185-192.	1.6	124
50	Functional Anatomy of Visual Search: Regional Segregations within the Frontal Eye Fields and Effective Connectivity of the Superior Colliculus. <i>NeuroImage</i> , 2002, 15, 970-982.	4.2	124
51	Bradykinin Antagonism Inhibits the Antigrowth Effect of Converting Enzyme Inhibition in the Dog Myocardium After Discrete Transmural Myocardial Necrosis. <i>Circulation</i> , 1995, 91, 2043-2048.	1.6	124
52	Cortical Mechanisms of Speech Perception in Noise. <i>Journal of Speech, Language, and Hearing Research</i> , 2008, 51, 1026-1041.	1.6	123
53	Right Orbitofrontal Cortex Mediates Conscious Olfactory Perception. <i>Psychological Science</i> , 2010, 21, 1454-1463.	3.3	121
54	Reduction of field of view for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 691-694.	3.0	115

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55	Predicting Functional Gains in a Stroke Trial. <i>Stroke</i> , 2007, 38, 2108-2114.	2.0	112
56	The Development of Specialized Brain Systems in Reading and Oral-Language. <i>Child Neuropsychology</i> , 2001, 7, 119-141.	1.3	108
57	Neural correlates of sexual arousal in homosexual and heterosexual men.. <i>Behavioral Neuroscience</i> , 2007, 121, 237-248.	1.2	104
58	Neural activity of inferences during story comprehension. <i>Brain Research</i> , 2006, 1084, 104-114.	2.2	100
59	Argument structure effects in action verb naming in static and dynamic conditions. <i>Journal of Neurolinguistics</i> , 2009, 22, 196-215.	1.1	97
60	Impact of signal-to-noise on functional MRI of the human amygdala. <i>NeuroReport</i> , 2001, 12, 3461-3464.	1.2	94
61	Caffeine dose effect on activation-induced BOLD and CBF responses. <i>NeuroImage</i> , 2009, 46, 577-583.	4.2	92
62	Neural plasticity and treatment-induced recovery of sentence processing in agrammatism. <i>Neuropsychologia</i> , 2010, 48, 3211-3227.	1.6	92
63	Myocardial perfusion and function in dogs with moderate coronary stenosis. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 771-780.	3.0	91
64	The Rapid and Progressive Degeneration of the Cervical Multifidus in Whiplash. <i>Spine</i> , 2015, 40, E694-E700.	2.0	91
65	Abnormalities in Resting-State Functional Connectivity in Early Human Immunodeficiency Virus Infection. <i>Brain Connectivity</i> , 2011, 1, 207-217.	1.7	89
66	Caffeine's effects on cerebrovascular reactivity and coupling between cerebral blood flow and oxygen metabolism. <i>NeuroImage</i> , 2009, 44, 647-652.	4.2	85
67	Hemodynamic response changes in cerebrovascular disease: implications for functional MR imaging. <i>American Journal of Neuroradiology</i> , 2002, 23, 1222-8.	2.4	85
68	Continuous Update with Random Encoding (CURE): A New Strategy for Dynamic Imaging. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 326-336.	3.0	83
69	Neural Correlates of Person Recognition. <i>Learning and Memory</i> , 2003, 10, 253-260.	1.3	82
70	Theory and methods in cultural neuroscience. <i>Social Cognitive and Affective Neuroscience</i> , 2010, 5, 356-361.	3.0	81
71	Muscle-fat MRI: 1.5 tesla and 3.0 tesla versus histology. <i>Muscle and Nerve</i> , 2014, 50, 170-176.	2.2	81
72	Neural correlates of skill acquisition: Decreased cortical activity during a serial interception sequence learning task. <i>NeuroImage</i> , 2011, 58, 1150-1157.	4.2	80

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73	Identification of critical areas for motor function recovery in chronic stroke subjects using voxel-based lesion symptom mapping. <i>NeuroImage</i> , 2010, 49, 9-18.	4.2	79
74	MRI compatibility and visibility assessment of implantable medical devices. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 596-603.	3.4	76
75	Location- or Feature-Based Targeting of Peripheral Attention. <i>NeuroImage</i> , 2001, 14, 37-47.	4.2	74
76	Development and validation of the automated imaging differentiation in parkinsonism (AID-P): a multicentre machine learning study. <i>The Lancet Digital Health</i> , 2019, 1, e222-e231.	12.3	73
77	Neural Correlates of Artificial Grammar Learning. <i>NeuroImage</i> , 2002, 17, 1306-1314.	4.2	72
78	Placebo-Controlled Trial of Familiar Auditory Sensory Training for Acute Severe Traumatic Brain Injury. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 537-547.	2.9	71
79	Neurite orientation dispersion and density imaging (NODDI) and free-water imaging in Parkinsonism. <i>Human Brain Mapping</i> , 2019, 40, 5094-5107.	3.6	71
80	Higher Peripheral Inflammatory Signaling Associated With Lower Resting-State Functional Brain Connectivity in Emotion Regulation and Central Executive Networks. <i>Biological Psychiatry</i> , 2019, 86, 153-162.	1.3	71
81	Modality-specific and -independent developmental differences in the neural substrate for lexical processing. <i>Journal of Neurolinguistics</i> , 2003, 16, 383-405.	1.1	65
82	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021, 16, 4611-4632.	12.0	65
83	Real-Time Monitoring of Eye Movements Using Infrared Video-oculography during Functional Magnetic Resonance Imaging of the Frontal Eye Fields. <i>NeuroImage</i> , 2000, 11, 58-65.	4.2	64
84	Evidence for Immediate Enhancement of Hippocampal Memory Encoding by Network-Targeted Theta-Burst Stimulation during Concurrent fMRI. <i>Journal of Neuroscience</i> , 2020, 40, 7155-7168.	3.6	63
85	Lumbosacral Cerebrospinal Fluid Volume in Humans Using Three-Dimensional Magnetic Resonance Imaging. <i>Anesthesia and Analgesia</i> , 2006, 103, 1306-1310.	2.2	61
86	Neural correlates of sexual arousal in heterosexual and homosexual women and men. <i>Hormones and Behavior</i> , 2013, 64, 673-684.	2.1	59
87	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> , 1992, 19, 1601-1607.	2.8	57
88	Cultural modulation of the neural correlates of emotional pain perception: The role of other-focusedness. <i>Neuropsychologia</i> , 2013, 51, 1177-1186.	1.6	54
89	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> , 2018, 115, 12063-12068.	7.1	53
90	Inferences during Story Comprehension: Cortical Recruitment Affected by Predictability of Events and Working Memory Capacity. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 2274-2284.	2.3	52

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91	Lateralization of cervical spinal cord activity during an isometric upper extremity motor task with functional magnetic resonance imaging. <i>NeuroImage</i> , 2016, 125, 233-243.	4.2	48
92	Sleep deprivation alters functioning within the neural network underlying the covert orienting of attention. <i>Brain Research</i> , 2008, 1217, 148-156.	2.2	46
93	Neuroimaging in aphasia treatment research: Consensus and practical guidelines for data analysis. <i>NeuroImage</i> , 2013, 73, 215-224.	4.2	46
94	Familiarity and Conceptual Priming Engage Distinct Cortical Networks. <i>Cerebral Cortex</i> , 2008, 18, 1712-1719.	2.9	45
95	A Simple ERP Method for Quantitative Analysis of Cognitive Workload in Myoelectric Prosthesis Control and Human-Machine Interaction. <i>PLoS ONE</i> , 2014, 9, e112091.	2.5	45
96	Alterations in Brain Activation During Cognitive Empathy Are Related to Social Functioning in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2015, 41, 211-222.	4.3	43
97	Deep Learning Convolutional Neural Networks for the Automatic Quantification of Muscle Fat Infiltration Following Whiplash Injury. <i>Scientific Reports</i> , 2019, 9, 7973.	3.3	43
98	An investigation of cerebral oxygen utilization, blood flow and cognition in healthy aging. <i>PLoS ONE</i> , 2018, 13, e0197055.	2.5	41
99	Distinct medial temporal contributions to different forms of recognition in amnesic mild cognitive impairment and Alzheimer's disease. <i>Neuropsychologia</i> , 2013, 51, 2450-2461.	1.6	40
100	The Northwestern University Neuroimaging Data Archive (NUNDA). <i>NeuroImage</i> , 2016, 124, 1131-1136.	4.2	39
101	Neuroimaging modality fusion in Alzheimer's classification using convolutional neural networks. <i>PLoS ONE</i> , 2019, 14, e0225759.	2.5	38
102	White matter microstructure changes induced by motor skill learning utilizing a body machine interface. <i>NeuroImage</i> , 2014, 88, 32-40.	4.2	37
103	Context Dependency in the Globus Pallidus Internal Segment During Targeted Arm Movements. <i>Journal of Neurophysiology</i> , 2001, 85, 998-1004.	1.8	36
104	Regional Cerebrovascular Reactivity and Cognitive Performance in Healthy Aging. <i>Journal of Experimental Neuroscience</i> , 2018, 12, 117906951878515.	2.3	34
105	EEG Measures Index Neural and Cognitive Recovery from Sleep Deprivation. <i>Journal of Neuroscience</i> , 2010, 30, 2686-2693.	3.6	33
106	Reproducibility of Structural, Resting-State BOLD and DTI Data between Identical Scanners. <i>PLoS ONE</i> , 2012, 7, e47684.	2.5	32
107	A new T2 preparation technique for ultrafast gradient-echo sequence. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 652-657.	3.0	31
108	Thermal Stimulation Alters Cervical Spinal Cord Functional Connectivity in Humans. <i>Neuroscience</i> , 2018, 369, 40-50.	2.3	31

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109	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> , 2013, 13, 30.	2.7	30
110	Subcortical structural variations associated with low socioeconomic status in adolescents. <i>Human Brain Mapping</i> , 2020, 41, 162-171.	3.6	30
111	Common and distinct neural substrates of sentence production and comprehension. <i>NeuroImage</i> , 2021, 224, 117374.	4.2	30
112	Multisite, multimodal neuroimaging of chronic urological pelvic pain: Methodology of the MAPP Research Network. <i>NeuroImage: Clinical</i> , 2016, 12, 65-77.	2.7	29
113	Functional changes in temporal lobe activity during transient global amnesia. <i>Neurology</i> , 2002, 58, 638-641.	1.1	28
114	Preliminary framework for Familiar Auditory Sensory Training (FAST) provided during coma recovery. <i>Journal of Rehabilitation Research and Development</i> , 2012, 49, 1137.	1.6	28
115	Lateral Corticospinal Tract Damage Correlates With Motor Output in Incomplete Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 660-666.	0.9	28
116	Fatty infiltration of the cervical multifidus musculature and their clinical correlates in spondylotic myelopathy. <i>Journal of Clinical Neuroscience</i> , 2018, 57, 208-213.	1.5	28
117	Potential associations between chronic whiplash and incomplete spinal cord injury. <i>Spinal Cord Series and Cases</i> , 2015, 1, .	0.6	27
118	HIV disease and diabetes interact to affect brain white matter hyperintensities and cognition. <i>Aids</i> , 2018, 32, 1803-1810.	2.2	27
119	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> , 2018, 8, e01073.	2.2	27
120	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , 2021, 8, 219.	5.3	27
121	Functional magnetic resonance imaging of real and sham acupuncture. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2005, 24, 35-40.	0.8	26
122	New Insights into the Fractional Order Diffusion Equation Using Entropy and Kurtosis. <i>Entropy</i> , 2014, 16, 5838-5852.	2.2	26
123	Functional magnetic resonance imaging of the cervical spinal cord during thermal stimulation across consecutive runs. <i>NeuroImage</i> , 2016, 143, 267-279.	4.2	26
124	Functional neuronal network activity differs with cognitive dysfunction in childhood-onset systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , 2013, 15, R40.	3.5	25
125	Brain Morphometric Changes Associated With Childhood-Onset Systemic Lupus Erythematosus and Neurocognitive Deficit. <i>Arthritis and Rheumatism</i> , 2013, 65, 2190-2200.	6.7	25
126	Quantitative Magnetization Transfer MRI Measurements of the Anterior Spinal Cord Region are Associated With Clinical Outcomes in Cervical Spondylotic Myelopathy. <i>Spine</i> , 2018, 43, 675-680.	2.0	25

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127	Priming Effects in the Fusiform Gyrus: Changes in Neural Activity beyond the Second Presentation. <i>Cerebral Cortex</i> , 2005, 15, 787-795.	2.9	24
128	A deep symmetry convnet for stroke lesion segmentation. , 2016, , .		24
129	Cumulative Blood Pressure Exposure, Basal Ganglia, and Thalamic Morphology in Midlife Hypertension, 2020, 75, 1289-1295.	2.7	24
130	Reorganization of Cortical Language Areas in Patients with Aphasia: A Functional MRI Study. <i>Yonsei Medical Journal</i> , 2002, 43, 441.	2.2	23
131	Brain-behavior correlation in children depends on the neurocognitive network. <i>Human Brain Mapping</i> , 2004, 23, 99-108.	3.6	23
132	Content not quantity is a better measure of muscle degeneration in whiplash. <i>Manual Therapy</i> , 2013, 18, 578-582.	1.6	23
133	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> , 2015, 3, e1381.	2.0	23
134	Intrahemispheric Perfusion in Chronic Stroke-Induced Aphasia. <i>Neural Plasticity</i> , 2017, 2017, 1-15.	2.2	22
135	Hybridization-Induced Off-ON ¹⁹ Fâ€NMR Signal Probe Release from DNA-Functionalized Nanoparticles. <i>Small</i> , 2011, 7, 1977-1981.	Gold 10.0	21
136	Parsimonious continuous time random walk models and kurtosis for diffusion in magnetic resonance of biological tissue. <i>Frontiers in Physics</i> , 2015, 3, .	2.1	21
137	Right Hemisphere Grey Matter Volume and Language Functions in Stroke Aphasia. <i>Neural Plasticity</i> , 2017, 2017, 1-14.	2.2	21
138	Muscle fat infiltration following whiplash: A computed tomography and magnetic resonance imaging comparison. <i>PLoS ONE</i> , 2020, 15, e0234061.	2.5	20
139	Mechanisms Underlying Chronic Whiplash: Contributions from an Incomplete Spinal Cord Injury?. <i>Pain Medicine</i> , 2014, 15, 1938-1944.	1.9	19
140	Cultural influences on neural basis of inhibitory control. <i>NeuroImage</i> , 2016, 139, 114-126.	4.2	19
141	Hybrid technique for dynamic imaging. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 51-55.	3.0	18
142	Multi-muscle deep learning segmentation to automate the quantification of muscle fat infiltration in cervical spine conditions. <i>Scientific Reports</i> , 2021, 11, 16567.	3.3	18
143	Body-Machine Interfaces after Spinal Cord Injury: Rehabilitation and Brain Plasticity. <i>Brain Sciences</i> , 2016, 6, 61.	2.3	16
144	A Pilot Trial Examining the Merits of Combining Amantadine and Repetitive Transcranial Magnetic Stimulation as an Intervention for Persons With Disordered Consciousness After TBI. <i>Journal of Head Trauma Rehabilitation</i> , 2020, 35, 371-387.	1.7	16

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145	Decoding Multiple Sound Categories in the Human Temporal Cortex Using High Resolution fMRI. <i>PLoS ONE</i> , 2015, 10, e0117303.	2.5	15
146	Tract-Specific Volume Loss on 3T MRI in Patients With Cervical Spondylotic Myelopathy. <i>Spine</i> , 2018, 43, E1204-E1209.	2.0	14
147	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> , 2020, 217, 116905.	4.2	14
148	Geometric deep learning on brain shape predicts sex and age. <i>Computerized Medical Imaging and Graphics</i> , 2021, 91, 101939.	5.8	13
149	Transcranial Direct Current Stimulation and Aphasia: The Case of Mr. C. <i>Topics in Stroke Rehabilitation</i> , 2013, 20, 5-21.	1.9	12
150	Predicting language recovery in post-stroke aphasia using behavior and functional MRI. <i>Scientific Reports</i> , 2021, 11, 8419.	3.3	12
151	Multimodal Neural and Behavioral Data Predict Response to Rehabilitation in Chronic Poststroke Aphasia. <i>Stroke</i> , 2022, 53, 1606-1614.	2.0	12
152	Advanced diffusion imaging to track progression in Parkinson's disease, multiple system atrophy, and progressive supranuclear palsy. <i>NeuroImage: Clinical</i> , 2022, 34, 103022.	2.7	12
153	Resting-State Functional Connectivity of the Central Executive Network Moderates the Relationship Between Neighborhood Violence and Proinflammatory Phenotype in Children. <i>Biological Psychiatry</i> , 2021, 90, 165-172.	1.3	11
154	Modulation of brain networks during MR-compatible transcranial direct current stimulation. <i>NeuroImage</i> , 2022, 250, 118874.	4.2	11
155	Functional impact of an increase in ventricular mass after myocardial damage and its attenuation by converting enzyme inhibition. <i>Journal of Cardiac Failure</i> , 1998, 4, 203-212.	1.7	10
156	Phantom validation of quantitative susceptibility and dynamic contrast-enhanced permeability MR sequences across instruments and sites. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1192-1199.	3.4	10
157	Cultural influences on neural systems of intergroup emotion perception: An fMRI study. <i>Neuropsychologia</i> , 2020, 137, 107254.	1.6	10
158	Brain Network Disruption in Whiplash. <i>American Journal of Neuroradiology</i> , 2020, 41, 994-1000.	2.4	10
159	FUNCTIONAL MR IMAGING. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1999, 7, 765-782.	1.1	10
160	Mapping the Microstructure and Striae of the Human Olfactory Tract with Diffusion MRI. <i>Journal of Neuroscience</i> , 2022, 42, 58-68.	3.6	10
161	High-resolution magnetization transfer MRI in patients with cervical spondylotic myelopathy. <i>Journal of Clinical Neuroscience</i> , 2018, 51, 57-61.	1.5	9
162	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> , 2019, 20, 295.	1.9	9

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163	Fatty infiltration in cervical flexors and extensors in patients with degenerative cervical myelopathy using a multi-muscle segmentation model. PLoS ONE, 2021, 16, e0253863.	2.5	9
164	Blood pressure, executive function, and network connectivity in middle-aged adults at risk of dementia in late life. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2024265118.	7.1	9
165	A method to capture six-degrees-of-freedom mechanical measurements of isometric shoulder and elbow torques during event-related fMRI. Journal of Neuroscience Methods, 2007, 161, 314-322.	2.5	8
166	Neurocognitive correlates of category ambiguous verb processing: The single versus dual lexical entry hypotheses. Brain and Language, 2019, 194, 65-76.	1.6	8
167	Does Overall Cervical Spine Pathology Relate to the Clinical Heterogeneity of Chronic Whiplash?. American Journal of Emergency Medicine, 2020, 38, 869-873.	1.6	8
168	Neural Connectivity Changes Facilitated by Familiar Auditory Sensory Training in Disordered Consciousness: A TBI Pilot Study. Frontiers in Neurology, 2020, 11, 1027.	2.4	7
169	Differential neurocognitive network perturbation in amnesic and aphasic Alzheimer disease. Neurology, 2020, 94, e699-e704.	1.1	7
170	Outward subcortical curvature associated with sub-clinical depression symptoms in adolescents. NeuroImage: Clinical, 2020, 25, 102187.	2.7	7
171	Perilesional Perfusion in Chronic Stroke-Induced Aphasia and Its Response to Behavioral Treatment Interventions. Neurobiology of Language (Cambridge, Mass), 2022, 3, 345-363.	3.1	7
172	Structural disconnections associated with language impairments in chronic post-stroke aphasia using disconnectome maps. Cortex, 2022, 155, 90-106.	2.4	7
173	Imaging modalities and tests for cervical myelopathy. Seminars in Spine Surgery, 2014, 26, 68-72.	0.2	6
174	Cutting to the Pathophysiology Chase: Translating Cutting-Edge Neuroscience to Rehabilitation Practice in Sports-Related Concussion Management. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 811-818.	3.5	6
175	Magnetic Resonance Imaging Atlas-Based Volumetric Mapping of the Cervical Cord Gray Matter in Cervical Canal Stenosis. World Neurosurgery, 2020, 134, e497-e504.	1.3	6
176	Interpretation of Brain Morphology in Association to Alzheimer's Disease Dementia Classification Using Graph Convolutional Networks on Triangulated Meshes. Lecture Notes in Computer Science, 2020, 12474, 95-107.	1.3	6
177	Motor vehicle crash reconstruction: Does it relate to the heterogeneity of whiplash recovery?. PLoS ONE, 2019, 14, e0225686.	2.5	5
178	Optimizing methods to quantify intramuscular fat in rotator cuff tears with normalization. Skeletal Radiology, 2019, 48, 1111-1118.	2.0	5
179	microRNA let-7i-5p mediates the relationship between muscle fat infiltration and neck pain disability following motor vehicle collision: a preliminary study. Scientific Reports, 2021, 11, 3140.	3.3	5
180	A machine learning approach for predicting post-stroke aphasia recovery. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
181	An investigation of diffusion imaging techniques in the evaluation of spinocerebellar ataxia and multisystem atrophy. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 166-172.	1.5	4
182	Displacement of hand representation to the contralateral hemisphere may predict neurologic recovery after arteriovenous malformation resection from the sensorimotor cortex. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2000, 9, 246-249.	1.6	3
183	Correlation of functional MRI with intraoperative cortical mapping in patient with cerebral arteriovenous malformation. <i>Journal of the American College of Surgeons</i> , 2001, 192, 793.	0.5	3
184	Reliability of BOLD signals in chronic stroke-induced aphasia. <i>European Journal of Neuroscience</i> , 2020, 52, 3963-3978.	2.6	3
185	An Exploration of Machine Learning Methods for Predicting Post-stroke Aphasia Recovery. , 2021, , .		3
186	Letter to the editor regarding Smuck M, Cristostomo RA, Demirjian R, et al. Morphologic change in the lumbar spine after lumbar medial branch radiofrequency neurotomy: a quantitative radiological study. <i>Spine Journal</i> , 2014, 14, 1088-1089.	1.3	2
187	Short- and long-term reproducibility of diffusion-weighted magnetic resonance imaging of lower extremity musculature in asymptomatic individuals and a comparison to individuals with spinal cord injury. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 433.	1.9	2
188	The effects of a simulated fMRI environment on voice intensity in individuals with Parkinson's disease hypophonia and older healthy adults. <i>Journal of Communication Disorders</i> , 2021, 94, 106149.	1.5	2
189	Application of IR thermometry to understanding brain function. , 2018, , .		2
190	Macromolecular changes in spinal cord white matter characterize whiplash outcome at 1-year post motor vehicle collision. <i>Scientific Reports</i> , 2020, 10, 22221.	3.3	2
191	Labeling Noncontrast Head CT Reports for Common Findings Using Natural Language Processing. <i>American Journal of Neuroradiology</i> , 2022, 43, 721-726.	2.4	2
192	Simultaneous Assessment of Motor and Language Areas with a Single Functional MR Imaging Paradigm: Feasibility. <i>Radiology</i> , 2005, 236, 655-660.	7.3	1
193	A 3D Cross-Hemisphere Neighborhood Difference Convnet for Chronic Stroke Lesion Segmentation. , 2019, , .		1
194	Proper masking to show the true activation. <i>American Journal of Neuroradiology</i> , 2006, 27, 247-9; author reply 249.	2.4	1
195	3D Analysis of Lumbar Spine Facet Joint Cartilage Thickness Distribution. , 2011, , .		0
196	Collaboration Synergy, Progression, and Perseverance: Keys to Successful Undergraduate Research. , 2017, , .		0
197	Reconstruction of Resting State FMRI Using LSTM Variational Auto-Encoder on Subcortical Surface to Detect Epilepsy. , 2022, , .		0