

Roland Wiest

List of Publications by Year in descending order

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Version: 2024-02-01

206
papers

10,837
citations

61857

43
h-index

37111

96
g-index

216
all docs

216
docs citations

216
times ranked

13678
citing authors

#	ARTICLE	IF	CITATIONS
1	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1993-2024.	5.4	3,589
2	ISLES 2015 - A public evaluation benchmark for ischemic stroke lesion segmentation from multispectral MRI. <i>Medical Image Analysis</i> , 2017, 35, 250-269.	7.0	360
3	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. <i>Brain</i> , 2018, 141, 391-408.	3.7	352
4	On the Interpretability of Artificial Intelligence in Radiology: Challenges and Opportunities. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190043.	3.0	212
5	Structural plasticity in the language system related to increased second language proficiency. <i>Cortex</i> , 2012, 48, 458-465.	1.1	191
6	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2556-2568.	5.4	165
7	An fMRI study on mental pain and suicidal behavior. <i>Journal of Affective Disorders</i> , 2010, 126, 321-325.	2.0	145
8	Alterations of white matter integrity related to motor activity in schizophrenia. <i>Neurobiology of Disease</i> , 2011, 42, 276-283.	2.1	138
9	Semantic memory involvement in the default mode network: A functional neuroimaging study using independent component analysis. <i>NeuroImage</i> , 2011, 54, 3057-3066.	2.1	134
10	Frontal white matter integrity is related to psychomotor retardation in major depression. <i>Neurobiology of Disease</i> , 2012, 47, 13-19.	2.1	134
11	Altered cortico-basal ganglia motor pathways reflect reduced volitional motor activity in schizophrenia. <i>Schizophrenia Research</i> , 2013, 143, 269-276.	1.1	119
12	Dynamic directed interictal connectivity in left and right temporal lobe epilepsy. <i>Epilepsia</i> , 2015, 56, 207-217.	2.6	117
13	ISLES 2016 and 2017-Benchmarking Ischemic Stroke Lesion Outcome Prediction Based on Multispectral MRI. <i>Frontiers in Neurology</i> , 2018, 9, 679.	1.1	117
14	Multi-Modal Glioblastoma Segmentation: Man versus Machine. <i>PLoS ONE</i> , 2014, 9, e96873.	1.1	116
15	Detecting subarachnoid hemorrhage: Comparison of combined FLAIR/SWI versus CT. <i>European Journal of Radiology</i> , 2013, 82, 1539-1545.	1.2	112
16	Aberrant Hyperconnectivity in the Motor System at Rest Is Linked to Motor Abnormalities in Schizophrenia Spectrum Disorders. <i>Schizophrenia Bulletin</i> , 2017, 43, 982-992.	2.3	112
17	Examining the gateway to the limbic system with diffusion tensor imaging: The perforant pathway in dementia. <i>NeuroImage</i> , 2006, 30, 713-720.	2.1	110
18	Structural and metabolic changes in language areas linked to formal thought disorder. <i>British Journal of Psychiatry</i> , 2009, 194, 130-138.	1.7	108

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19	Altered directed functional connectivity in temporal lobe epilepsy in the absence of interictal spikes: A high density <scp>EEG</scp> study. <i>Epilepsia</i> , 2016, 57, 402-411.	2.6	107
20	Resting state cerebral blood flow and objective motor activity reveal basal ganglia dysfunction in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2011, 192, 117-124.	0.9	102
21	Diffusion-weighted MR Imaging of the Placenta in Fetuses with Placental Insufficiency. <i>Radiology</i> , 2010, 257, 810-819.	3.6	101
22	Clinical Evaluation of a Fully-automatic Segmentation Method for Longitudinal Brain Tumor Volumetry. <i>Scientific Reports</i> , 2016, 6, 23376.	1.6	89
23	Variability of physiological brain perfusion in healthy subjects â€“ A systematic review of modifiers. Considerations for multi-center ASL studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1418-1437.	2.4	84
24	Comparison of Routine Brain Imaging at 3 T and 7 T. <i>Investigative Radiology</i> , 2016, 51, 469-482.	3.5	82
25	Fully automatic GBM segmentation in the TCGA-GBM dataset: Prognosis and correlation with VASARI features. <i>Scientific Reports</i> , 2015, 5, 16822.	1.6	78
26	Predictors of Unexpected Early Reocclusion After Successful Mechanical Thrombectomy in Acute Ischemic Stroke Patients. <i>Stroke</i> , 2018, 49, 2643-2651.	1.0	77
27	White matter microstructure alterations of the medial forebrain bundle in melancholic depression. <i>Journal of Affective Disorders</i> , 2014, 155, 186-193.	2.0	76
28	Enhancing interpretability of automatically extracted machine learning features: application to a RBM-Random Forest system on brain lesion segmentation. <i>Medical Image Analysis</i> , 2018, 44, 228-244.	7.0	76
29	Reduced frontal activation with increasing 2nd language proficiency. <i>Neuropsychologia</i> , 2009, 47, 2712-2720.	0.7	74
30	Resting-State Hyperperfusion of the Supplementary Motor Area in Catatonia. <i>Schizophrenia Bulletin</i> , 2017, 43, sbw140.	2.3	74
31	Cortico-Cortical White Matter Motor Pathway Microstructure Is Related to Psychomotor Retardation in Major Depressive Disorder. <i>PLoS ONE</i> , 2012, 7, e52238.	1.1	74
32	Fully automated stroke tissue estimation using random forest classifiers (FASTER). <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2728-2741.	2.4	72
33	White matter pathway organization of the reward system is related to positive and negative symptoms in schizophrenia. <i>Schizophrenia Research</i> , 2014, 153, 136-142.	1.1	69
34	Lesions to Primary Sensory and Posterior Parietal Cortices Impair Recovery from Hand Paresis after Stroke. <i>PLoS ONE</i> , 2012, 7, e31275.	1.1	58
35	Unconscious relational encoding depends on hippocampus. <i>Brain</i> , 2014, 137, 3355-3370.	3.7	55
36	Stroke Lesion Outcome Prediction Based on MRI Imaging Combined With Clinical Information. <i>Frontiers in Neurology</i> , 2018, 9, 1060.	1.1	55

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37	Automated diagnosis of temporal lobe epilepsy in the absence of interictal spikes. <i>NeuroImage: Clinical</i> , 2018, 17, 10-15.	1.4	52
38	Simultaneous lesion and brain segmentation in multiple sclerosis using deep neural networks. <i>Scientific Reports</i> , 2021, 11, 1087.	1.6	51
39	Gray matter volume differences specific to formal thought disorder in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 183-186.	0.9	50
40	Ventral striatum gray matter density reduction in patients with schizophrenia and psychotic emotional dysregulation. <i>NeuroImage: Clinical</i> , 2014, 4, 232-239.	1.4	49
41	Detecting Functional Hubs of Ictogenic Networks. <i>Brain Topography</i> , 2015, 28, 305-317.	0.8	49
42	Forbidden ordinal patterns of periictal intracranial EEG indicate deterministic dynamics in human epileptic seizures. <i>Epilepsia</i> , 2011, 52, 1771-1780.	2.6	47
43	The ENIGMA-Epilepsy working group: Mapping disease from large data sets. <i>Human Brain Mapping</i> , 2022, 43, 113-128.	1.9	47
44	BOLD correlates of continuously fluctuating epileptic activity isolated by independent component analysis. <i>NeuroImage</i> , 2008, 42, 635-648.	2.1	46
45	Relevance of the cerebral collateral circulation in ischaemic stroke: time is brain, but collaterals set the pace. <i>Swiss Medical Weekly</i> , 2017, 147, w14538.	0.8	46
46	Detection of regional blood perfusion changes in epileptic seizures with dynamic brain perfusion CT: A pilot study. <i>Epilepsy Research</i> , 2006, 72, 102-110.	0.8	45
47	Deep Brain Stimulation for Tremor: Is There a Common Structure?. <i>Stereotactic and Functional Neurosurgery</i> , 2017, 95, 243-250.	0.8	45
48	Reduced Cerebral Blood Flow Within the Default-Mode Network and Within Total Gray Matter in Major Depression. <i>Brain Connectivity</i> , 2012, 2, 303-310.	0.8	44
49	Supplementary motor area (SMA) volume is associated with psychotic aberrant motor behaviour of patients with schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 49-51.	0.9	43
50	Resected Brain Tissue, Seizure Onset Zone and Quantitative EEG Measures: Towards Prediction of Post-Surgical Seizure Control. <i>PLoS ONE</i> , 2015, 10, e0141023.	1.1	43
51	Directional stimulation of subthalamic nucleus sweet spot predicts clinical efficacy: Proof of concept. <i>Brain Stimulation</i> , 2019, 12, 1127-1134.	0.7	43
52	Automatic detection of lesion load change in Multiple Sclerosis using convolutional neural networks with segmentation confidence. <i>NeuroImage: Clinical</i> , 2020, 25, 102104.	1.4	42
53	The amygdala in schizophrenia: a trimodal magnetic resonance imaging study. <i>Neuroscience Letters</i> , 2005, 375, 151-156.	1.0	41
54	Semantic Network Disconnection in Formal Thought Disorder. <i>Neuropsychobiology</i> , 2012, 66, 14-23.	0.9	41

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55	Time Course Based Artifact Identification for Independent Components of Resting-State fMRI. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 214.	1.0	41
56	Predicting Infarct Core From Computed Tomography Perfusion in Acute Ischemia With Machine Learning: Lessons From the ISLES Challenge. <i>Stroke</i> , 2021, 52, 2328-2337.	1.0	41
57	Possible dysregulation of cortical plasticity in auditory verbal hallucinationsâ€“A cortical thickness study in schizophrenia. <i>Journal of Psychiatric Research</i> , 2012, 46, 1015-1023.	1.5	40
58	Radiomics for glioblastoma survival analysis in pre-operative MRI: exploring feature robustness, class boundaries, and machine learning techniques. <i>Cancer Imaging</i> , 2020, 20, 55.	1.2	39
59	Limbic white matter microstructure plasticity reflects recovery from depression. <i>Journal of Affective Disorders</i> , 2015, 170, 143-149.	2.0	38
60	Cerebral white matter structure is associated with DSM-5 schizophrenia symptom dimensions. <i>NeuroImage: Clinical</i> , 2016, 12, 93-99.	1.4	38
61	Significant Artifact Reduction at 1.5T and 3T MRI by the Use of a Cochlear Implant with Removable Magnet: An Experimental Human Cadaver Study. <i>PLoS ONE</i> , 2015, 10, e0132483.	1.1	37
62	Accuracy of different three-dimensional subcortical human brain atlases for DBS â€“lead localisation. <i>NeuroImage: Clinical</i> , 2018, 20, 868-874.	1.4	37
63	Neural correlates of sense of agency in motor control: A neuroimaging meta-analysis. <i>PLoS ONE</i> , 2020, 15, e0234321.	1.1	37
64	Epileptic networks are strongly connected with and without the effects of interictal discharges. <i>Epilepsia</i> , 2016, 57, 1086-1096.	2.6	36
65	Structural brain correlates of defective gesture performance in schizophrenia. <i>Cortex</i> , 2016, 78, 125-137.	1.1	36
66	Anterior Stafne's Bone Cavity Mimicking a Periapical Lesion of Endodontic Origin: Report of Two Cases. <i>Journal of Endodontics</i> , 2009, 35, 1598-1602.	1.4	35
67	Multi-parametric classification of Alzheimer's disease and mild cognitive impairment: The impact of quantitative magnetization transfer MR imaging. <i>NeuroImage</i> , 2009, 48, 657-667.	2.1	35
68	On the Effect of Inter-observer Variability for a Reliable Estimation of Uncertainty of Medical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2018, , 682-690.	1.0	35
69	Limbic Interference During Social Action Planning in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2018, 44, 359-368.	2.3	35
70	Encoding deficit during face processing within the right fusiform face area in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2009, 172, 184-191.	0.9	34
71	Specific cerebral perfusion patterns in three schizophrenia symptom dimensions. <i>Schizophrenia Research</i> , 2017, 190, 96-101.	1.1	34
72	A Machine Learning Approach to Perfusion Imaging With Dynamic Susceptibility Contrast MR. <i>Frontiers in Neurology</i> , 2018, 9, 717.	1.1	33

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73	Functional topography of the thalamo-cortical system during development and its relation to cognition. <i>NeuroImage</i> , 2020, 223, 117361.	2.1	33
74	Direct cortical thickness estimation using deep learning-based anatomy segmentation and cortex parcellation. <i>Human Brain Mapping</i> , 2020, 41, 4804-4814.	1.9	33
75	A Systems-Level Approach to Human Epileptic Seizures. <i>Neuroinformatics</i> , 2013, 11, 159-173.	1.5	32
76	Early Re-Do Surgery for Glioblastoma Is a Feasible and Safe Strategy to Achieve Complete Resection of Enhancing Tumor. <i>PLoS ONE</i> , 2013, 8, e79846.	1.1	32
77	Resting-state connectivity and executive functions after pediatric arterial ischemic stroke. <i>NeuroImage: Clinical</i> , 2018, 17, 359-367.	1.4	31
78	Ictal time-irreversible intracranial EEG signals as markers of the epileptogenic zone. <i>Clinical Neurophysiology</i> , 2016, 127, 3051-3058.	0.7	30
79	Automatic estimation of extent of resection and residual tumor volume of patients with glioblastoma. <i>Journal of Neurosurgery</i> , 2017, 127, 798-806.	0.9	30
80	Periodic limb movements during sleep in stroke/TIA. <i>Neurology</i> , 2018, 90, e1663-e1672.	1.5	30
81	Brain SegNet: 3D local refinement network for brain lesion segmentation. <i>BMC Medical Imaging</i> , 2020, 20, 17.	1.4	30
82	Microstructure and Cerebral Blood Flow within White Matter of the Human Brain: A TBSS Analysis. <i>PLoS ONE</i> , 2016, 11, e0150657.	1.1	29
83	Theta burst TMS increases cerebral blood flow in the primary motor cortex during motor performance as assessed by arterial spin labeling (ASL). <i>NeuroImage</i> , 2012, 61, 599-605.	2.1	28
84	Focal hemodynamic patterns of status epilepticus detected by susceptibility weighted imaging (SWI). <i>European Radiology</i> , 2014, 24, 2980-2988.	2.3	28
85	Automatic quality control in clinical ¹ H MRSI of brain cancer. <i>NMR in Biomedicine</i> , 2016, 29, 563-575.	1.6	28
86	Theta burst transcranial magnetic stimulation is associated with increased EEG synchronization in the stimulated relative to unstimulated cerebral hemisphere. <i>Neuroscience Letters</i> , 2008, 436, 31-34.	1.0	27
87	Glucocorticoid Administration Improves Aberrant Fear-Processing Networks in Spider Phobia. <i>Neuropsychopharmacology</i> , 2017, 42, 485-494.	2.8	27
88	Interhemispheric Cerebral Blood Flow Balance during Recovery of Motor Hand Function after Ischemic Stroke—A Longitudinal MRI Study Using Arterial Spin Labeling Perfusion. <i>PLoS ONE</i> , 2014, 9, e106327.	1.1	26
89	Sono-Electro-Magnetic Therapy for Treating Chronic Pelvic Pain Syndrome in Men: A Randomized, Placebo-Controlled, Double-Blind Trial. <i>PLoS ONE</i> , 2014, 9, e113368.	1.1	25
90	Cerebellar Hypoperfusion in Migraine Attack: Incidence and Significance. <i>American Journal of Neuroradiology</i> , 2018, 39, 435-440.	1.2	25

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91	Association of anemia and hemoglobin decrease during acute stroke treatment with infarct growth and clinical outcome. PLoS ONE, 2018, 13, e0203535.	1.1	25
92	White matter integrity associated with volitional motor activity. NeuroReport, 2010, 21, 381-385.	0.6	24
93	Dynamic Changes of Intramural Hematoma in Patients with Acute Spontaneous Internal Carotid Artery Dissection. International Journal of Stroke, 2015, 10, 887-892.	2.9	24
94	Using MDEFT MRI Sequences to Target the GPI in DBS Surgery. PLoS ONE, 2015, 10, e0137868.	1.1	23
95	Altered diffusion in motor white matter tracts in psychosis patients with catatonia. Schizophrenia Research, 2020, 220, 210-217.	1.1	23
96	Analyzing magnetic resonance imaging data from glioma patients using deep learning. Computerized Medical Imaging and Graphics, 2021, 88, 101828.	3.5	23
97	Progressive multifocal leukoencephalopathy in common variable immunodeficiency: mitigated course under mirtazapine and mefloquine. Journal of NeuroVirology, 2015, 21, 694-701.	1.0	22
98	Fully Automated Enhanced Tumor Compartmentalization: Man vs. Machine Reloaded. PLoS ONE, 2016, 11, e0165302.	1.1	22
99	Brain areas involved in medial temporal lobe seizures: A principal component analysis of ictal SPECT data. Human Brain Mapping, 2006, 27, 520-534.	1.9	21
100	Higher macrophage superoxide anion production in coronary artery disease (CAD) patients with Type D personality. Psychoneuroendocrinology, 2016, 68, 186-193.	1.3	21
101	Targeting Accuracy of the Subthalamic Nucleus in Deep Brain Stimulation Surgery: Comparison Between 3 T T2-Weighted Magnetic Resonance Imaging and Microelectrode Recording Results. Operative Neurosurgery, 2018, 15, 66-71.	0.4	20
102	No Routine Postoperative Head CT following Elective Craniotomy – A Paradigm Shift?. PLoS ONE, 2016, 11, e0153499.	1.1	20
103	Cortical reorganisation of cerebral networks after childhood stroke: impact on outcome. BMC Neurology, 2015, 15, 90.	0.8	19
104	Targeting the posterior subthalamic area for essential tremor: proposal for MRI-based anatomical landmarks. Journal of Neurosurgery, 2019, 131, 820-827.	0.9	19
105	Outcome prediction with resting-state functional connectivity after cardiac arrest. Scientific Reports, 2020, 10, 11695.	1.6	18
106	Increased structural connectivity of the medial forebrain bundle in schizophrenia spectrum disorders is associated with delusions of paranoid threat and grandiosity. NeuroImage: Clinical, 2019, 24, 102044.	1.4	17
107	Limbic links to paranoia: increased resting-state functional connectivity between amygdala, hippocampus and orbitofrontal cortex in schizophrenia patients with paranoia. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 1021-1032.	1.8	17
108	Common mechanisms of auditory hallucinations – perfusion studies in epilepsy. Psychiatry Research - Neuroimaging, 2013, 211, 268-270.	0.9	16

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109	Physical activity is associated with left corticospinal tract microstructure in bipolar depression. <i>NeuroImage: Clinical</i> , 2018, 20, 939-945.	1.4	16
110	Deep Learning Versus Classical Regression for Brain Tumor Patient Survival Prediction. <i>Lecture Notes in Computer Science</i> , 2019, , 429-440.	1.0	16
111	Dysbalanced Resting-State Functional Connectivity Within the Praxis Network Is Linked to Gesture Deficits in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020, 46, 905-915.	2.3	16
112	Associations between anterior cingulate thickness, cingulum bundle microstructure, melancholia and depression severity in unipolar depression. <i>Journal of Affective Disorders</i> , 2022, 301, 437-444.	2.0	16
113	Widespread grey matter changes and hemodynamic correlates to interictal epileptiform discharges in pharmaco-resistant mesial temporal epilepsy. <i>Journal of Neurology</i> , 2013, 260, 1601-1610.	1.8	15
114	Clinical evaluation of the iterative metal artefact reduction algorithm for post-operative CT examination after maxillofacial surgery. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20160355.	1.3	15
115	Striatal responsiveness to reward under threat of shock and working memory load: A preliminary study. <i>Brain and Behavior</i> , 2019, 9, e01397.	1.0	15
116	Focal and Generalized Patterns of Cerebral Cortical Veins Due to Non-Convulsive Status Epilepticus or Prolonged Seizure Episode after Convulsive Status Epilepticus – A MRI Study Using Susceptibility Weighted Imaging. <i>PLoS ONE</i> , 2016, 11, e0160495.	1.1	15
117	Brain Morphometry Estimation: From Hours to Seconds Using Deep Learning. <i>Frontiers in Neurology</i> , 2020, 11, 244.	1.1	14
118	Combining unsupervised and supervised learning for predicting the final stroke lesion. <i>Medical Image Analysis</i> , 2021, 69, 101888.	7.0	14
119	Left posterior parietal theta burst stimulation affects gestural imitation regardless of semantic content. <i>Clinical Neurophysiology</i> , 2014, 125, 457-462.	0.7	13
120	Neural Network-derived Perfusion Maps for the Assessment of Lesions in Patients with Acute Ischemic Stroke. <i>Radiology: Artificial Intelligence</i> , 2019, 1, e190019.	3.0	13
121	Divide and Conquer: Stratifying Training Data by Tumor Grade Improves Deep Learning-Based Brain Tumor Segmentation. <i>Frontiers in Neuroscience</i> , 2019, 13, 1182.	1.4	13
122	Neurological Soft Signs Are Associated With Altered White Matter in Patients With Schizophrenia. <i>Schizophrenia Bulletin</i> , 2022, 48, 220-230.	2.3	13
123	Clinical Implementation of 7T MRI for the Identification of Incidental Intracranial Aneurysms versus Anatomic Variants. <i>American Journal of Neuroradiology</i> , 2021, 42, 2172-2174.	1.2	13
124	CBT reduces CBF: cognitive-behavioral therapy reduces cerebral blood flow in fear-relevant brain regions in spider phobia. <i>Brain and Behavior</i> , 2016, 6, e00510.	1.0	12
125	Prestimulus default mode activity influences depth of processing and recognition in an emotional memory task. <i>Human Brain Mapping</i> , 2016, 37, 924-932.	1.9	12
126	Is ultrasound perfusion imaging capable of detecting mismatch? A proof-of-concept study in acute stroke patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1517-1526.	2.4	12

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127	Recent developments in imaging of epilepsy. <i>Current Opinion in Neurology</i> , 2019, 32, 530-538.	1.8	12
128	The effect of optimistic expectancies on attention bias: Neural and behavioral correlates. <i>Scientific Reports</i> , 2020, 10, 6495.	1.6	12
129	A Thalamic-Fronto-Parietal Structural Covariance Network Emerging in the Course of Recovery from Hand Paresis after Ischemic Stroke. <i>Frontiers in Neurology</i> , 2015, 6, 211.	1.1	11
130	T2-relaxometry predicts outcome of DBS in idiopathic Parkinson's disease. <i>NeuroImage: Clinical</i> , 2016, 12, 832-837.	1.4	11
131	Transcranial magnetic stimulation over the right temporoparietal junction influences the sense of agency in healthy humans. <i>Journal of Psychiatry and Neuroscience</i> , 2020, 45, 271-278.	1.4	11
132	The Influence of Various Cerebral and Extracerebral Pathologies on Apparent Diffusion Coefficient Values in the Fetal Brain. <i>Journal of Neuroimaging</i> , 2020, 30, 477-485.	1.0	11
133	Topography of MR lesions correlates with standardized EEG pattern in early comatose survivors after cardiac arrest. <i>Resuscitation</i> , 2020, 149, 217-224.	1.3	11
134	SWI Susceptibility Vessel Sign in Patients Undergoing Mechanical Thrombectomy for Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2021, 42, 1949-1955.	1.2	11
135	Event-based modeling in temporal lobe epilepsy demonstrates progressive atrophy from cross-sectional data. <i>Epilepsia</i> , 2022, 63, 2081-2095.	2.6	11
136	Dissociation of epileptic and inflammatory activity in Rasmussen Encephalitis. <i>Epilepsy Research</i> , 2009, 83, 265-268.	0.8	10
137	Epileptogenic Developmental Venous Anomaly. <i>Clinical EEG and Neuroscience</i> , 2013, 44, 157-160.	0.9	10
138	Focal Epilepsy: MR Imaging of Nonhemodynamic Field Effects by Using a Phase-cycled Stimulus-induced Rotary Saturation Approach with Spin-Lock Preparation. <i>Radiology</i> , 2016, 280, 237-243.	3.6	10
139	Pyogenic brain abscess with atypical features resembling glioblastoma in advanced MRI imaging. <i>Radiology Case Reports</i> , 2017, 12, 365-370.	0.2	10
140	Personalized structural image analysis in patients with temporal lobe epilepsy. <i>Scientific Reports</i> , 2017, 7, 10883.	1.6	10
141	Glucocorticoid administration restores salience network activity in patients with spider phobia. <i>Depression and Anxiety</i> , 2018, 35, 925-934.	2.0	10
142	The index vein pointing to the origin of the migraine aura symptom. <i>Neurology</i> , 2020, 94, e2577-e2580.	1.5	10
143	Thalamic Influence on Slow Wave Slope Renormalization During Sleep. <i>Annals of Neurology</i> , 2021, 90, 821-833.	2.8	10
144	Cognitive improvement in patients with carotid stenosis is independent of treatment type. <i>Swiss Medical Weekly</i> , 2015, 145, w14226.	0.8	10

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145	Comparison of perioperative automated versus manual two-dimensional tumor analysis in glioblastoma patients. <i>European Journal of Radiology</i> , 2017, 95, 75-81.	1.2	9
146	No Effect of Anodal tDCS on Verbal Episodic Memory Performance and Neurotransmitter Levels in Young and Elderly Participants. <i>Neural Plasticity</i> , 2020, 2020, 1-15.	1.0	9
147	Symptomatic and asymptomatic intracranial atherosclerotic stenosis: 3 yearsâ€™ prospective study. <i>Journal of Neurology</i> , 2020, 267, 1687-1698.	1.8	9
148	Striatal reactivity to reward under threat-of-shock and working memory load in adults at increased familial risk for major depression: A preliminary study. <i>NeuroImage: Clinical</i> , 2020, 26, 102193.	1.4	9
149	Cerebral blood flow and cognitive outcome after pediatric stroke in the middle cerebral artery. <i>Scientific Reports</i> , 2021, 11, 19421.	1.6	9
150	Adult anaplastic pilocytic astrocytoma â€“ a diagnostic challenge? A case series and literature review. <i>Clinical Neurology and Neurosurgery</i> , 2016, 147, 98-104.	0.6	8
151	Neural response to catecholamine depletion in remitted bulimia nervosa: Relation to depression and relapse. <i>European Neuropsychopharmacology</i> , 2017, 27, 633-646.	0.3	8
152	Neural Correlates of Impaired Rewardâ€“Effort Integration in Remitted Bulimia Nervosa. <i>Neuropsychopharmacology</i> , 2018, 43, 868-876.	2.8	8
153	Repetitive Computed Tomography Perfusion for Detection of Cerebral Vasospasmâ€“Related Hypoperfusion in Aneurysmal Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2019, 121, e739-e746.	0.7	8
154	Findings in susceptibility weighted imaging in pediatric patients with migraine with aura. <i>European Journal of Paediatric Neurology</i> , 2020, 28, 221-227.	0.7	8
155	Uncertainty-Driven Refinement of Tumor-Core Segmentation Using 3D-to-2D Networks with Label Uncertainty. <i>Lecture Notes in Computer Science</i> , 2021, , 401-411.	1.0	8
156	Risks of Undersizing Stent Retriever Length Relative to Thrombus Length in Patients with Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2021, 42, 2181-2187.	1.2	8
157	3D-constructive interference into steady state (3D-CISS) labyrinth signal alteration in patients with vestibular schwannoma. <i>Auris Nasus Larynx</i> , 2018, 45, 702-710.	0.5	7
158	Radiosurgery of vestibular schwannoma: prognostic factors for hearing outcome using 3D-constructive interference in steady state (3D-CISS). <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 1132-1143.	1.0	7
159	Effect of early sleep apnoea treatment with adaptive servo-ventilation in acute stroke patients on cerebral lesion evolution and neurological outcomes: study protocol for a multicentre, randomized controlled, rater-blinded, clinical trial (eSATIS: early Sleep Apnoea Treatment in Stroke). <i>Trials</i> , 2021, 22, 83.	0.7	7
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