Roland Wiest

List of Publications by Year
in descending order

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 <scp>ENIGMAâ€Epilepsy</scp> working group: Mapping disease from large data sets. Human Brain Mapping, 2022, 43, 113-128.	1.9	47
2	Fear and discomfort of children and adolescents during MRI: ethical consideration on research MRIs in children. Pediatric Research, 2022, 91, 720-723.	1.1	3
3	Neurological Soft Signs Are Associated With Altered White Matter in Patients With Schizophrenia. Schizophrenia Bulletin, 2022, 48, 220-230.	2.3	13
4	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
5	Clinical phenotype modulates brainâ€™s myelin and iron content in temporal lobe epilepsy. Brain Structure and Function, 2022, 227, 901-911.	1.2	3
6	Stationary EEG pattern relates to large-scale resting state networks â€“ An EEG-fMRI study connecting brain networks across time-scales. NeuroImage, 2022, 246, 118763.	2.1	5
7	Associations between anterior cingulate thickness, cingulum bundle microstructure, melancholia and depression severity in unipolar depression. Journal of Affective Disorders, 2022, 301, 437-444.	2.0	16
8	A Quantitative Imaging Biomarker Supporting Radiological Assessment of Hippocampal Sclerosis Derived From Deep Learning-Based Segmentation of T1w-MRI. Frontiers in Neurology, 2022, 13, 812432.	1.1	5
9	Do Hypertensive Men Spy With an Angry Little Eye? Anger Recognition in Men With Essential Hypertension - Cross-sectional and Prospective Findings. Annals of Behavioral Medicine, 2022, 56, 875-889.	1.7	5
10	Medical-Blocksâ€•A Platform for Exploration, Management, Analysis, and Sharing of Data in Biomedical Research: System Development and Integration Results. JMIR Formative Research, 2022, 6, e32287.	0.7	2
11	Cognitive outcome is related to functional thalamo-cortical connectivity after paediatric stroke. Brain Communications, 2022, 4, .	1.5	2
12	Eventâ€based modeling in temporal lobe epilepsy demonstrates progressive atrophy from crossâ€sectional data. Epilepsia, 2022, 63, 2081-2095.	2.6	11
13	Clinical neuroimaging in intracerebral haemorrhage related to cerebral small vessel disease: contemporary practice and emerging concepts. Expert Review of Neurotherapeutics, 2022, 22, 579-594.	1.4	2
14	Evaluation of diagnostic criteria and red flags of myelin oligodendrocyte glycoprotein encephalomyelitis in a clinical routine cohort. CNS Neuroscience and Therapeutics, 2021, 27, 426-438.	1.9	6
15	Analyzing magnetic resonance imaging data from glioma patients using deep learning. Computerized Medical Imaging and Graphics, 2021, 88, 101828.	3.5	23
16	Uncertainty-Driven Refinement of Tumor-Core Segmentation Using 3D-to-2D Networks with Label Uncertainty. Lecture Notes in Computer Science, 2021, , 401-411.	1.0	8
17	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). Trials, 2021, 22, 83.	0.7	7
18	Altered central pain processing in fibromyalgiaâ€”A multimodal neuroimaging case-control study using arterial spin labelling. PLoS ONE, 2021, 16, e0235879.	1.1	4

#	Article	IF	Citations
19	Functional connectivity and upper limb function in patients after pediatric arterial ischemic stroke with contralateral corticospinal tract wiring. Scientific Reports, 2021, 11, 5490.	1.6	3
20	Combining unsupervised and supervised learning for predicting the final stroke lesion. Medical Image Analysis, 2021, 69, 101888.	7.0	14
21	Structured Reporting of Acute Ischemic Stroke â€“ Consensus-Based Reporting Templates for Non-Contrast Cranial Computed Tomography, CT Angiography, and CT Perfusion. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2021, 193, 1315-1317.	0.7	1
22	Acute Stress-Induced Blood Lipid Reactivity in Hypertensive and Normotensive Men and Prospective Associations with Future Cardiovascular Risk. Journal of Clinical Medicine, 2021, 10, 3400.	1.0	5
23	Predicting Infarct Core From Computed Tomography Perfusion in Acute Ischemia With Machine Learning: Lessons From the ISLES Challenge. Stroke, 2021, 52, 2328-2337.	1.0	41
24	Stent-Based Retrieval Techniques in Acute Ischemic Stroke Patients with and Without Susceptibility Vessel Sign. Clinical Neuroradiology, 2021, , 1.	1.0	2
25	Thalamic Influence on Slow Wave Slope Renormalization During Sleep. Annals of Neurology, 2021, 90, 821-833.	2.8	10
26	SWI Susceptibility Vessel Sign in Patients Undergoing Mechanical Thrombectomy for Acute Ischemic Stroke. American Journal of Neuroradiology, 2021, 42, 1949-1955.	1.2	11
27	Cerebral blood flow and cognitive outcome after pediatric stroke in the middle cerebral artery. Scientific Reports, 2021, 11, 19421.	1.6	9
28	Simultaneous lesion and brain segmentation in multiple sclerosis using deep neural networks. Scientific Reports, 2021, 11, 1087.	1.6	51
29	Risks of Undersizing Stent Retriever Length Relative to Thrombus Length in Patients with Acute Ischemic Stroke. American Journal of Neuroradiology, 2021, 42, 2181-2187.	1.2	8
30	Clinical Implementation of 7T MRI for the Identification of Incidental Intracranial Aneurysms versus Anatomic Variants. American Journal of Neuroradiology, 2021, 42, 2172-2174.	1.2	13
31	Prediction of Tissue Damage Using a User-Independent Machine Learning Algorithm vs. Tmax Threshold Maps. Clinical and Translational Neuroscience, 2021, 5, 21.	0.4	0
32	Automatic detection of lesion load change in Multiple Sclerosis using convolutional neural networks with segmentation confidence. NeuroImage: Clinical, 2020, 25, 102104.	1.4	42
33	Functional topography of the thalamo-cortical system during development and its relation to cognition. NeuroImage, 2020, 223, 117361.	2.1	33
34	No Effect of Anodal tDCS on Verbal Episodic Memory Performance and Neurotransmitter Levels in Young and Elderly Participants. Neural Plasticity, 2020, 2020, 1-15.	1.0	9
35	Sensing form - finger gaiting as key to tactile object exploration - a data glove analysis of a prototypical daily task. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 133.	2.4	3
36	Diagnosis of epilepsy after first seizure. Introducing the SWISS FIRST study. Clinical and Translational Neuroscience, 2020, 4, 2514183X2093944.	0.4	4

#	Article	IF	Citations
37	Imaging Neurovascular Uncoupling in Acute Migraine with Aura with Susceptibility Weighted Imaging. Clinical Neuroradiology, 2020, 31, 581-588.	1.0	5
38	Outcome prediction with resting-state functional connectivity after cardiac arrest. Scientific Reports, 2020, 10, 11695.	1.6	18
39	Direct cortical thickness estimation using deep learningâ€based anatomy segmentation and cortex parcellation. Human Brain Mapping, 2020, 41, 4804-4814.	1.9	33
40	Remodeling of brain morphology in temporal lobe epilepsy. Brain and Behavior, 2020, 10, e01825.	1.0	3
41	Radiomics for glioblastoma survival analysis in pre-operative MRI: exploring feature robustness, class boundaries, and machine learning techniques. Cancer Imaging, 2020, 20, 55.	1.2	39
42	Exploratory Analysis of Qualitative MR Imaging Features for the Differentiation of Glioblastoma and Brain Metastases. Frontiers in Oncology, 2020, 10, 581037.	1.3	6
43	Transcranial magnetic stimulation over the right temporoparietal junction influences the sense of agency in healthy humans. Journal of Psychiatry and Neuroscience, 2020, 45, 271-278.	1.4	11
44	Degeneration of the Ipsilateral Substantia Nigra and Red Nucleus as Well as Contralateral Dentate Nucleus after Middle Cerebral Artery Infarction. Radiology, 2020, 296, E14-E14.	3.6	0
45	The index vein pointing to the origin of the migraine aura symptom. Neurology, 2020, 94, e2577-e2580.	1.5	10
46	On the Interpretability of Artificial Intelligence in Radiology: Challenges and Opportunities. Radiology: Artificial Intelligence, 2020, 2, e190043.	3.0	212
47	Findings in susceptibility weighted imaging in pediatric patients with migraine with aura. European Journal of Paediatric Neurology, 2020, 28, 221-227.	0.7	8
48	Neural correlates of sense of agency in motor control: A neuroimaging meta-analysis. PLoS ONE, 2020, 15, e0234321.	1.1	37
49	The Influence of Various Cerebral and Extracerebral Pathologies on Apparent Diffusion Coefficient Values in the Fetal Brain. Journal of Neuroimaging, 2020, 30, 477-485.	1.0	11
50	Topography of MR lesions correlates with standardized EEG pattern in early comatose survivors after cardiac arrest. Resuscitation, 2020, 149, 217-224.	1.3	11
51	Symptomatic and asymptomatic intracranial atherosclerotic stenosis: 3 yearsâ€™ prospective study. Journal of Neurology, 2020, 267, 1687-1698.	1.8	9
52	Dysbalanced Resting-State Functional Connectivity Within the Praxis Network Is Linked to Gesture Deficits in Schizophrenia. Schizophrenia Bulletin, 2020, 46, 905-915.	2.3	16
53	Striatal reactivity to reward under threat-of-shock and working memory load in adults at increased familial risk for major depression: A preliminary study. NeuroImage: Clinical, 2020, 26, 102193.	1.4	9
54	Brain SegNet: 3D local refinement network for brain lesion segmentation. BMC Medical Imaging, 2020, 20, 17.	1.4	30

#	Article	IF	Citations
55	Glucocorticoids and cortical decoding in the phobic brain. Psychiatry Research - Neuroimaging, 2020, 300, 111066.	0.9	1
56	Altered diffusion in motor white matter tracts in psychosis patients with catatonia. Schizophrenia Research, 2020, 220, 210-217.	1.1	23
57	The effect of optimistic expectancies on attention bias: Neural and behavioral correlates. Scientific Reports, 2020, 10, 6495.	1.6	12
58	Brain Morphometry Estimation: From Hours to Seconds Using Deep Learning. Frontiers in Neurology, 2020, 11, 244.	1.1	14
59	Correction to: Interpretability of Machine Intelligence in Medical Image Computing and Multimodal Learning for Clinical Decision Support. Lecture Notes in Computer Science, 2020, , C1-C1.	1.0	0
60	Local thalamic atrophy associates with large-scale functional connectivity alterations of fronto-parietal cortices in genetic generalized epilepsies. Clinical and Translational Neuroscience, 2019, 3, 2514183X1985032.	0.4	2
61	Ultrasonic quantification of cerebral perfusion in acute anterior circulation occlusive strokeâ€"A comparative challenge of the refill- and the bolus-kinetics approach. PLoS ONE, 2019, 14, e0220171.	1.1	6
62	Cerebral blood flow imbalance is associated with motor outcome after pediatric arterial ischemic stroke. PLoS ONE, 2019, 14, e0223584.	1.1	6
63	Striatal responsiveness to reward under threatâ€ofâ€shock and working memory load: A preliminary study. Brain and Behavior, 2019, 9, e01397.	1.0	15
64	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
65	Neural Networkâ€"derived Perfusion Maps for the Assessment of Lesions in Patients with Acute Ischemic Stroke. Radiology: Artificial Intelligence, 2019, 1, e190019.	3.0	13
66	Trajectories of brain remodeling in temporal lobe epilepsy. Journal of Neurology, 2019, 266, 3150-3159.	1.8	3
67	Analysis of metabolic abnormalities in highâ€grade glioma using MRSI and convex NMF. NMR in Biomedicine, 2019, 32, e4109.	1.6	6
68	Directional stimulation of subthalamic nucleus sweet spot predicts clinical efficacy: Proof of concept. Brain Stimulation, 2019, 12, 1127-1134.	0.7	43
69	Early prediction of long-term tactile object recognition performance after sensorimotor stroke. Cortex, 2019, 115, 264-279.	1.1	6
70	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	5.4	165
71	Deep Learning Versus Classical Regression for Brain Tumor Patient Survival Prediction. Lecture Notes in Computer Science, 2019, , 429-440.	1.0	16
72	Prediction of conversion to multiple sclerosis using the 2017 McDonald and 2016 MAGNIMS criteria in patients with clinically isolated syndrome: a retrospective single-centre study. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641983565.	1.5	3

#	Article	IF	Citations
73	Is Asymmetry of the Pons Associated with Hand Function and Manual Ability after Arterial Ischemic Stroke in Children?. Neuropediatrics, 2019, 50, 138-145.	0.3	4
74	Targeting the posterior subthalamic area for essential tremor: proposal for MRI-based anatomical landmarks. Journal of Neurosurgery, 2019, 131, 820-827.	0.9	19
75	Divide and Conquer: Stratifying Training Data by Tumor Grade Improves Deep Learning-Based Brain Tumor Segmentation. Frontiers in Neuroscience, 2019, 13, 1182.	1.4	13
76	Langerhans cell histiocytosis with initial central nervous system presentation as a mimic of neurosarcoidosis. Clinical and Translational Neuroscience, 2019, 3, 2514183X1987506.	0.4	1
77	Recent developments in imaging of epilepsy. Current Opinion in Neurology, 2019, 32, 530-538.	1.8	12
78	Repetitive Computed Tomography Perfusion for Detection of Cerebral Vasospasmâ€“Related Hypoperfusion in Aneurysmal Subarachnoid Hemorrhage. World Neurosurgery, 2019, 121, e739-e746.	0.7	8
79	Synthetic Perfusion Maps: Imaging Perfusion Deficits in DSC-MRI with Deep Learning. Lecture Notes in Computer Science, 2019, , 447-455.	1.0	4
80	Periodic limb movements during sleep in stroke/TIA. Neurology, 2018, 90, e1663-e1672.	1.5	30
81	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. Brain, 2018, 141, 391-408.	3.7	352
82	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
83	Enhancing interpretability of automatically extracted machine learning features: application to a RBM-Random Forest system on brain lesion segmentation. Medical Image Analysis, 2018, 44, 228-244.	7.0	76
84	Cerebellar Hypoperfusion in Migraine Attack: Incidence and Significance. American Journal of Neuroradiology, 2018, 39, 435-440.	1.2	25
85	Cerebral microembolism in the critically ill with acute kidney injury (COMET-AKI trial): study protocol for a randomized controlled clinical trial. Trials, 2018, 19, 189.	0.7	2
86	The effect of a single dose of escitalopram on sensorimotor networks. Brain and Behavior, 2018, 8, e00975.	1.0	3
87	Variability of physiological brain perfusion in healthy subjects â€“ A systematic review of modifiers. Considerations for multi-center ASL studies. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1418-1437.	2.4	84
88	3D-constructive interference into steady state (3D-CISS) labyrinth signal alteration in patients with vestibular schwannoma. Auris Nasus Larynx, 2018, 45, 702-710.	0.5	7
89	Automated diagnosis of temporal lobe epilepsy in the absence of interictal spikes. NeuroImage: Clinical, 2018, 17, 10-15.	1.4	52
90	Neural Correlates of Impaired Rewardâ€“Effort Integration in Remitted Bulimia Nervosa. Neuropsychopharmacology, 2018, 43, 868-876.	2.8	8

#	Article	IF	Citations
91	Resting-state connectivity and executive functions after pediatric arterial ischemic stroke. NeuroImage: Clinical, 2018, 17, 359-367.	1.4	31
92	Computer-aided radiological diagnostics improves the preoperative diagnoses of medulloblastoma, pilocytic astrocytoma, and ependymoma. Clinical and Translational Neuroscience, 2018, 2, 2514183X1878660.	0.4	0
93	Stroke Lesion Outcome Prediction Based on MRI Imaging Combined With Clinical Information. Frontiers in Neurology, 2018, 9, 1060.	1.1	55
94	Association of anemia and hemoglobin decrease during acute stroke treatment with infarct growth and clinical outcome. PLoS ONE, 2018, 13, e0203535.	1.1	25
95	Accuracy of different three-dimensional subcortical human brain atlases for DBS â€“lead localisation. NeuroImage: Clinical, 2018, 20, 868-874.	1.4	37
96	Predictors of Unexpected Early Reocclusion After Successful Mechanical Thrombectomy in Acute Ischemic Stroke Patients. Stroke, 2018, 49, 2643-2651.	1.0	77
97	On the Effect of Inter-observer Variability for a Reliable Estimation of Uncertainty of Medical Image Segmentation. Lecture Notes in Computer Science, 2018, , 682-690.	1.0	35
98	Physical activity is associated with left corticospinal tract microstructure in bipolar depression. NeuroImage: Clinical, 2018, 20, 939-945.	1.4	16
99	A Machine Learning Approach to Perfusion Imaging With Dynamic Susceptibility Contrast MR. Frontiers in Neurology, 2018, 9, 717.	1.1	33
100	Rebound After Fingolimod and a Single Daclizumab Injection in a Patient Retrospectively Diagnosed With NMO Spectrum Disorderâ€”MRI Apparent Diffusion Coefficient Maps in Differential Diagnosis of Demyelinating CNS Disorders. Frontiers in Neurology, 2018, 9, 782.	1.1	5
101	Radiosurgery of vestibular schwannoma: prognostic factors for hearing outcome using 3D-constructive interference in steady state (3D-CISS). Strahlentherapie Und Onkologie, 2018, 194, 1132-1143.	1.0	7
102	ISLES 2016 and 2017-Benchmarking Ischemic Stroke Lesion Outcome Prediction Based on Multispectral MRI. Frontiers in Neurology, 2018, 9, 679.	1.1	117
103	Glucocorticoid administration restores salience network activity in patients with spider phobia. Depression and Anxiety, 2018, 35, 925-934.	2.0	10
104	Limbic Interference During Social Action Planning in Schizophrenia. Schizophrenia Bulletin, 2018, 44, 359-368.	2.3	35
105	Resting-State Hyperperfusion of the Supplementary Motor Area in Catatonia. Schizophrenia Bulletin, 2017, 43, sbw140.	2.3	74
106	Automatic estimation of extent of resection and residual tumor volume of patients with glioblastoma. Journal of Neurosurgery, 2017, 127, 798-806.	0.9	30
107	Clinical evaluation of the iterative metal artefact reduction algorithm for post-operative CT examination after maxillofacial surgery. Dentomaxillofacial Radiology, 2017, 46, 20160355.	1.3	15
108	Pyogenic brain abscess with atypical features resembling glioblastoma in advanced MRI imaging. Radiology Case Reports, 2017, 12, 365-370.	0.2	10

#	Article	IF	Citations
109	Neural response to catecholamine depletion in remitted bulimia nervosa: Relation to depression and relapse. European Neuropsychopharmacology, 2017, 27, 633-646.	0.3	8
110	Specific cerebral perfusion patterns in three schizophrenia symptom dimensions. Schizophrenia Research, 2017, 190, 96-101.	1.1	34
111	Aberrant Hyperconnectivity in the Motor System at Rest Is Linked to Motor Abnormalities in Schizophrenia Spectrum Disorders. Schizophrenia Bulletin, 2017, 43, 982-992.	2.3	112
112	Comparison of perioperative automated versus manual two-dimensional tumor analysis in glioblastoma patients. European Journal of Radiology, 2017, 95, 75-81.	1.2	9
113	Personalized structural image analysis in patients with temporal lobe epilepsy. Scientific Reports, 2017, 7, 10883.	1.6	10
114	Deep Brain Stimulation for Tremor: Is There a Common Structure?. Stereotactic and Functional Neurosurgery, 2017, 95, 243-250.	0.8	45
115	Fully automated stroke tissue estimation using random forest classifiers (FASTER). Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2728-2741.	2.4	72
116	Glucocorticoid Administration Improves Aberrant Fear-Processing Networks in Spider Phobia. Neuropsychopharmacology, 2017, 42, 485-494.	2.8	27
117	ISLES 2015 - A public evaluation benchmark for ischemic stroke lesion segmentation from multispectral MRI. Medical Image Analysis, 2017, 35, 250-269.	7.0	360
118	Is ultrasound perfusion imaging capable of detecting mismatch? A proof-of-concept study in acute stroke patients. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1517-1526.	2.4	12
119	Model-Based Magnetization Transfer Imaging Markers to Characterize Patients and Asymptomatic Gene Carriers in Huntingtonâ€™s Disease. Frontiers in Neurology, 2017, 8, 465.	1.1	2
120	Relevance of the cerebral collateral circulation in ischaemic stroke: time is brain, but collaterals set the pace. Swiss Medical Weekly, 2017, 147, w14538.	0.8	46
121	Microstructure and Cerebral Blood Flow within White Matter of the Human Brain: A TBSS Analysis. PLoS ONE, 2016, 11, e0150657.	1.1	29
122	Fully Automated Enhanced Tumor Compartmentalization: Man vs. Machine Reloaded. PLoS ONE, 2016, 11, e0165302.	1.1	22
123	Altered directed functional connectivity in temporal lobe epilepsy in the absence of interictal spikes: A high density <scp>EEG</scp> study. Epilepsia, 2016, 57, 402-411.	2.6	107
124	Comparison of Routine Brain Imaging at 3 T and 7 T. Investigative Radiology, 2016, 51, 469-482.	3.5	82
125	Automatic quality control in clinical ¹H MRSI of brain cancer. NMR in Biomedicine, 2016, 29, 563-575.	1.6	28
126	Epileptic networks are strongly connected with and without the effects of interictal discharges. Epilepsia, 2016, 57, 1086-1096.	2.6	36

#	Article	IF	Citations
127	Clinical Evaluation of a Fully-automatic Segmentation Method for Longitudinal Brain Tumor Volumetry. Scientific Reports, 2016, 6, 23376.	1.6	89
128	Higher macrophage superoxide anion production in coronary artery disease (CAD) patients with Type D personality. Psychoneuroendocrinology, 2016, 68, 186-193.	1.3	21
129	Cerebral white matter structure is associated with DSM-5 schizophrenia symptom dimensions. NeuroImage: Clinical, 2016, 12, 93-99.	1.4	38
130	T2-relaxometry predicts outcome of DBS in idiopathic Parkinson's disease. NeuroImage: Clinical, 2016, 12, 832-837.	1.4	11
131	<scp>CBT</scp> reduces <scp>CBF</scp>: cognitiveâ€behavioral therapy reduces cerebral blood flow in fearâ€relevant brain regions in spider phobia. Brain and Behavior, 2016, 6, e00510.	1.0	12
132	Ictal time-irreversible intracranial EEG signals as markers of the epileptogenic zone. Clinical Neurophysiology, 2016, 127, 3051-3058.	0.7	30
133	Adult anaplastic pilocytic astrocytoma â€“ a diagnostic challenge? A case series and literature review. Clinical Neurology and Neurosurgery, 2016, 147, 98-104.	0.6	8
134	Mycoplasma-induced minimally conscious state. SpringerPlus, 2016, 5, 143.	1.2	1
135	Prestimulus default mode activity influences depth of processing and recognition in an emotional memory task. Human Brain Mapping, 2016, 37, 924-932.	1.9	12
136	Focal Epilepsy: MR Imaging of Nonhemodynamic Field Effects by Using a Phase-cycled Stimulus-induced Rotary Saturation Approach with Spin-Lock Preparation. Radiology, 2016, 280, 237-243.	3.6	10
137	Structural brain correlates of defective gesture performance in schizophrenia. Cortex, 2016, 78, 125-137.	1.1	36
138	Dancing Jaw and Dancing Eyes. JAMA Neurology, 2016, 73, 122.	4.5	1
139	No Routine Postoperative Head CT following Elective Craniotomy â€“ A Paradigm Shift?. PLoS ONE, 2016, 11, e0153499.	1.1	20
140	FISICO: Fast Image Segmentation COrrection. PLoS ONE, 2016, 11, e0156035.	1.1	7
141	Focal and Generalized Patterns of Cerebral Cortical Veins Due to Non-Convulsive Status Epilepticus or Prolonged Seizure Episode after Convulsive Status Epilepticus â€“ A MRI Study Using Susceptibility Weighted Imaging. PLoS ONE, 2016, 11, e0160495.	1.1	15
142	Fully automatic GBM segmentation in the TCGA-GBM dataset: Prognosis and correlation with VASARI features. Scientific Reports, 2015, 5, 16822.	1.6	78
143	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
144	A Thalamic-Fronto-Parietal Structural Covariance Network Emerging in the Course of Recovery from Hand Paresis after Ischemic Stroke. Frontiers in Neurology, 2015, 6, 211.	1.1	11

#	Article	IF	Citations
145	Editorial: Principles Underlying Post-Stroke Recovery of Upper Extremity Sensorimotor Functionâ€‰â€“â€‰A Neuroimaging Perspective. Frontiers in Neurology, 2015, 6, 267.	1.1	3
146	Significant Artifact Reduction at 1.5T and 3T MRI by the Use of a Cochlear Implant with Removable Magnet: An Experimental Human Cadaver Study. PLoS ONE, 2015, 10, e0132483.	1.1	37
147	Using MDEFT MRI Sequences to Target the GPi in DBS Surgery. PLoS ONE, 2015, 10, e0137868.	1.1	23
148	Resected Brain Tissue, Seizure Onset Zone and Quantitative EEG Measures: Towards Prediction of Post-Surgical Seizure Control. PLoS ONE, 2015, 10, e0141023.	1.1	43
149	Progressive multifocal leukoencephalopathy in common variable immunodeficiency: mitigated course under mirtazapine and mefloquine. Journal of NeuroVirology, 2015, 21, 694-701.	1.0	22
150	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). IEEE Transactions on Medical Imaging, 2015, 34, 1993-2024.	5.4	3,589
151	Dynamic directed interictal connectivity in left and right temporal lobe epilepsy. Epilepsia, 2015, 56, 207-217.	2.6	117
152	Cortical reorganisation of cerebral networks after childhood stroke: impact on outcome. BMC Neurology, 2015, 15, 90.	0.8	19
153	Limbic white matter microstructure plasticity reflects recovery from depression. Journal of Affective Disorders, 2015, 170, 143-149.	2.0	38
154	Detecting Functional Hubs of Ictogenic Networks. Brain Topography, 2015, 28, 305-317.	0.8	49
155	Cognitive improvement in patients with carotid stenosis is independent of treatment type. Swiss Medical Weekly, 2015, 145, w14226.	0.8	10
156	Interhemispheric Cerebral Blood Flow Balance during Recovery of Motor Hand Function after Ischemic Strokeâ€”A Longitudinal MRI Study Using Arterial Spin Labeling Perfusion. PLoS ONE, 2014, 9, e106327.	1.1	26
157	Sono-Electro-Magnetic Therapy for Treating Chronic Pelvic Pain Syndrome in Men: A Randomized, Placebo-Controlled, Double-Blind Trial. PLoS ONE, 2014, 9, e113368.	1.1	25
158	Focal hemodynamic patterns of status epilepticus detected by susceptibility weighted imaging (SWI). European Radiology, 2014, 24, 2980-2988.	2.3	28
159	Unconscious relational encoding depends on hippocampus. Brain, 2014, 137, 3355-3370.	3.7	55
160	Supplementary motor area (SMA) volume is associated with psychotic aberrant motor behaviour of patients with schizophrenia. Psychiatry Research - Neuroimaging, 2014, 223, 49-51.	0.9	43
161	White matter pathway organization of the reward system is related to positive and negative symptoms in schizophrenia. Schizophrenia Research, 2014, 153, 136-142.	1.1	69
162	Interactive segmentation of MR images from brain tumor patients. , 2014, , .		3

#	Article	IF	Citations
163	Left posterior parietal theta burst stimulation affects gestural imitation regardless of semantic content. Clinical Neurophysiology, 2014, 125, 457-462.	0.7	13
164	White matter microstructure alterations of the medial forebrain bundle in melancholic depression. Journal of Affective Disorders, 2014, 155, 186-193.	2.0	76
165	Ventral striatum gray matter density reduction in patients with schizophrenia and psychotic emotional dysregulation. NeuroImage: Clinical, 2014, 4, 232-239.	1.4	49
166	Multi-Modal Glioblastoma Segmentation: Man versus Machine. PLoS ONE, 2014, 9, e96873.	1.1	116
167	Radiological Findings of Sexual Intercourse Related Emergency Department Admissions: A First Overview. PLoS ONE, 2014, 9, e104170.	1.1	5
168	Widespread grey matter changes and hemodynamic correlates to interictal epileptiform discharges in pharmacoresistant mesial temporal epilepsy. Journal of Neurology, 2013, 260, 1601-1610.	1.8	15
169	Altered cortico-basal ganglia motor pathways reflect reduced volitional motor activity in schizophrenia. Schizophrenia Research, 2013, 143, 269-276.	1.1	119
170	Common mechanisms of auditory hallucinationsâ€“perfusion studies in epilepsy. Psychiatry Research - Neuroimaging, 2013, 211, 268-270.	0.9	16
171	Detecting subarachnoid hemorrhage: Comparison of combined FLAIR/SWI versus CT. European Journal of Radiology, 2013, 82, 1539-1545.	1.2	112
172	A Systems-Level Approach to Human Epileptic Seizures. Neuroinformatics, 2013, 11, 159-173.	1.5	32
173	Epileptogenic Developmental Venous Anomaly. Clinical EEG and Neuroscience, 2013, 44, 157-160.	0.9	10
174	Early Re-Do Surgery for Glioblastoma Is a Feasible and Safe Strategy to Achieve Complete Resection of Enhancing Tumor. PLoS ONE, 2013, 8, e79846.	1.1	32
175	Time Course Based Artifact Identification for Independent Components of Resting-State fMRI. Frontiers in Human Neuroscience, 2013, 7, 214.	1.0	41
176	Reduced Cerebral Blood Flow Within the Default-Mode Network and Within Total Gray Matter in Major Depression. Brain Connectivity, 2012, 2, 303-310.	0.8	44
177	Semantic Network Disconnection in Formal Thought Disorder. Neuropsychobiology, 2012, 66, 14-23.	0.9	41
178	Possible dysregulation of cortical plasticity in auditory verbal hallucinationsâ€“A cortical thickness study in schizophrenia. Journal of Psychiatric Research, 2012, 46, 1015-1023.	1.5	40
179	Structural plasticity in the language system related to increased second language proficiency. Cortex, 2012, 48, 458-465.	1.1	191
180	Theta burst TMS increases cerebral blood flow in the primary motor cortex during motor performance as assessed by arterial spin labeling (ASL). NeuroImage, 2012, 61, 599-605.	2.1	28

#	Article	IF	Citations
181	Lesions to Primary Sensory and Posterior Parietal Cortices Impair Recovery from Hand Paresis after Stroke. PLoS ONE, 2012, 7, e31275.	1.1	58
182	Frontal white matter integrity is related to psychomotor retardation in major depression. Neurobiology of Disease, 2012, 47, 13-19.	2.1	134
183	Cortico-Cortical White Matter Motor Pathway Microstructure Is Related to Psychomotor Retardation in Major Depressive Disorder. PLoS ONE, 2012, 7, e52238.	1.1	74
184	Semantic memory involvement in the default mode network: A functional neuroimaging study using independent component analysis. NeuroImage, 2011, 54, 3057-3066.	2.1	134
185	Forbidden ordinal patterns of periictal intracranial EEG indicate deterministic dynamics in human epileptic seizures. Epilepsia, 2011, 52, 1771-1780.	2.6	47
186	Alterations of white matter integrity related to motor activity in schizophrenia. Neurobiology of Disease, 2011, 42, 276-283.	2.1	138
187	Resting state cerebral blood flow and objective motor activity reveal basal ganglia dysfunction in schizophrenia. Psychiatry Research - Neuroimaging, 2011, 192, 117-124.	0.9	102
188	Diffusion-weighted MR Imaging of the Placenta in Fetuses with Placental Insufficiency. Radiology, 2010, 257, 810-819.	3.6	101
189	White matter integrity associated with volitional motor activity. NeuroReport, 2010, 21, 381-385.	0.6	24
190	Gray matter volume differences specific to formal thought disorder in schizophrenia. Psychiatry Research - Neuroimaging, 2010, 182, 183-186.	0.9	50
191	An fMRI study on mental pain and suicidal behavior. Journal of Affective Disorders, 2010, 126, 321-325.	2.0	145
192	Structural and metabolic changes in language areas linked to formal thought disorder. British Journal of Psychiatry, 2009, 194, 130-138.	1.7	108
193	Reduced frontal activation with increasing 2nd language proficiency. Neuropsychologia, 2009, 47, 2712-2720.	0.7	74
194	Encoding deficit during face processing within the right fusiform face area in schizophrenia. Psychiatry Research - Neuroimaging, 2009, 172, 184-191.	0.9	34
195	Dissociation of epileptic and inflammatory activity in Rasmussen Encephalitis. Epilepsy Research, 2009, 83, 265-268.	0.8	10
196	Anterior Stafne's Bone Cavity Mimicking a Periapical Lesion of Endodontic Origin: Report of Two Cases. Journal of Endodontics, 2009, 35, 1598-1602.	1.4	35
197	Multi-parametric classification of Alzheimer's disease and mild cognitive impairment: The impact of quantitative magnetization transfer MR imaging. NeuroImage, 2009, 48, 657-667.	2.1	35
198	Theta burst transcranial magnetic stimulation is associated with increased EEG synchronization in the stimulated relative to unstimulated cerebral hemisphere. Neuroscience Letters, 2008, 436, 31-34.	1.0	27

#	Article	IF	Citations
199	BOLD correlates of continuously fluctuating epileptic activity isolated by independent component analysis. NeuroImage, 2008, 42, 635-648.	2.1	46
200	Relationship between Perceived Sleep Problems and Thalamic Size in Patients with Chronic Fatigue Syndrome Compared to Non-Fatigued Controls: A Preliminary Study. Clinical Medicine Insights Psychiatry, 2008, 1, CMPsy.S704.	0.4	0
201	Examining the gateway to the limbic system with diffusion tensor imaging: The perforant pathway in dementia. NeuroImage, 2006, 30, 713-720.	2.1	110
202	Detection of regional blood perfusion changes in epileptic seizures with dynamic brain perfusion CTâ€"A pilot study. Epilepsy Research, 2006, 72, 102-110.	0.8	45
203	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
204	The role of MRI in localisation of epileptogenic foci: how far have we come?. Neuroradiology, 2005, 47, 803-804.	1.1	0
205	The amygdala in schizophrenia: a trimodal magnetic resonance imaging study. Neuroscience Letters, 2005, 375, 151-156.	1.0	41
206	Robustness of Simultaneous Lesion and Neuroanatomy Segmentation in Multiple Sclerosis Using Deep Neural Networks. SSRN Electronic Journal, 0, , .	0.4	6