John S Duncan

List of Publications by Year
in descending order

360 papers	23,408 citations	6254 80 h-index	12272 133 g-index
373 all docs	373 docs citations	373 times ranked	18016 citing authors

#	Article	IF	Citations
1	Three-dimensional maximum probability atlas of the human brain, with particular reference to the temporal lobe. Human Brain Mapping, 2003, 19, 224-247.	3.6	1,040
2	The long-term outcome of adult epilepsy surgery, patterns of seizure remission, and relapse: a cohort study. Lancet, The, 2011, 378, 1388-1395.	13.7	789
3	Adult epilepsy. Lancet, The, 2006, 367, 1087-1100.	13.7	678
4	Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. New England Journal of Medicine, 2017, 377, 1648-1656.	27.0	621
5	Hemispheric asymmetries in language-related pathways: A combined functional MRI and tractography study. NeuroImage, 2006, 32, 388-399.	4.2	373
6	Cardiac arrhythmias in focal epilepsy: a prospective long-term study. Lancet, The, 2004, 364, 2212-2219.	13.7	350
7	Combined functional MRI and tractography to demonstrate the connectivity of the human primary motor cortex in vivo. NeuroImage, 2003, 19, 1349-1360.	4.2	319
8	Attenuation Correction Synthesis for Hybrid PET-MR Scanners: Application to Brain Studies. IEEE Transactions on Medical Imaging, 2014, 33, 2332-2341.	8.9	311
9	Wearable Electroencephalography. IEEE Engineering in Medicine and Biology Magazine, 2010, 29, 44-56.	0.8	303
10	Temporal lobe interictal epileptic discharges affect cerebral activity in â€œdefault modeâ€•brain regions. Human Brain Mapping, 2007, 28, 1023-1032.	3.6	281
11	Hemodynamic correlates of epileptiform discharges: An EEG-fMRI study of 63 patients with focal epilepsy. Brain Research, 2006, 1088, 148-166.	2.2	255
12	Voxel-based diffusion tensor imaging in patients with mesial temporal lobe epilepsy and hippocampal sclerosis. NeuroImage, 2008, 40, 728-737.	4.2	255
13	EEGâ€"fMRI of idiopathic and secondarily generalized epilepsies. NeuroImage, 2006, 31, 1700-1710.	4.2	254
14	Identical, but not the same: Intra-site and inter-site reproducibility of fractional anisotropy measures on two 3.0T scanners. NeuroImage, 2010, 51, 1384-1394.	4.2	252
15	Cognitive Decline in Severe Intractable Epilepsy. Epilepsia, 2005, 46, 1780-1787.	5.1	251
16	Imaging memory in temporal lobe epilepsy: predicting the effects of temporal lobe resection. Brain, 2010, 133, 1186-1199.	7.6	250
17	Global image registration using a symmetric block-matching approach. Journal of Medical Imaging, 2014, 1, 024003.	1.5	245
18	Functional magnetic resonance imaging of human absence seizures. Annals of Neurology, 2003, 53, 663-667.	5.3	243

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19	Brain imaging in the assessment for epilepsy surgery. Lancet Neurology, The, 2016, 15, 420-433.	10.2	239
20	Rare Deletions at 16p13.11 Predispose to a Diverse Spectrum of Sporadic Epilepsy Syndromes. American Journal of Human Genetics, 2010, 86, 707-718.	6.2	231
21	Pre-operative verbal memory fMRI predicts post-operative memory decline after left temporal lobe resection. Brain, 2004, 127, 2419-2426.	7.6	196
22	Abnormalities in diffusion tensor imaging of the uncinate fasciculus relate to reduced memory in temporal lobe epilepsy. Epilepsia, 2008, 49, 1409-1418.	5.1	196
23	NREM Arousal Parasomnias and Their Distinction from Nocturnal Frontal Lobe Epilepsy: A Video EEG Analysis. Sleep, 2009, 32, 1637-1644.	1.1	195
24	Hyperphosphorylated tau in patients with refractory epilepsy correlates with cognitive decline: a study of temporal lobe resections. Brain, 2016, 139, 2441-2455.	7.6	193
25	Motor system hyperconnectivity in juvenile myoclonic epilepsy: a cognitive functional magnetic resonance imaging study. Brain, 2011, 134, 1710-1719.	7.6	192
26	Imaging in the surgical treatment of epilepsy. Nature Reviews Neurology, 2010, 6, 537-550.	10.1	186
27	Voxel-by-Voxel Comparison of Automatically Segmented Cerebral Gray Matter—A Rater-Independent Comparison of Structural MRI in Patients with Epilepsy. NeuroImage, 1999, 10, 373-384.	4.2	185
28	Non-epileptic seizures: patients' understanding and reaction to the diagnosis and impact on outcome. Seizure: the Journal of the British Epilepsy Association, 2003, 12, 287-294.	2.0	179
29	Prediction of late seizures after ischaemic stroke with a novel prognostic model (the SeLECT score): a multivariable prediction model development and validation study. Lancet Neurology, The, 2018, 17, 143-152.	10.2	178
30	Multicentre search for genetic susceptibility loci in sporadic epilepsy syndrome and seizure types: a case-control study. Lancet Neurology, The, 2007, 6, 970-980.	10.2	175
31	With or without spikes: localization of focal epileptic activity by simultaneous electroencephalography and functional magnetic resonance imaging. Brain, 2011, 134, 2867-2886.	7.6	171
32	Temporal Lobe Sclerosis Associated With Hippocampal Sclerosis in Temporal Lobe Epilepsy: Neuropathological Features. Journal of Neuropathology and Experimental Neurology, 2009, 68, 928-938.	1.7	170
33	Getting the best outcomes from epilepsy surgery. Annals of Neurology, 2018, 83, 676-690.	5.3	166
34	Progressive neocortical damage in epilepsy. Annals of Neurology, 2003, 53, 312-324.	5.3	163
35	Abnormal thalamocortical structural and functional connectivity in juvenile myoclonic epilepsy. Brain, 2012, 135, 3635-3644.	7.6	159
36	Abnormalities of language networks in temporal lobe epilepsy. NeuroImage, 2007, 36, 209-221.	4.2	157

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37	P-glycoprotein expression and function in patients with temporal lobe epilepsy: a case-control study. Lancet Neurology, The, 2013, 12, 777-785.	10.2	155
38	Paroxysmal Motor Disorders of Sleep: The Clinical Spectrum and Differentiation from Epilepsy. Epilepsia, 2006, 47, 1775-1791.	5.1	149
39	Quantitative analysis of short echo time1H-MRSI of cerebral gray and white matter. Magnetic Resonance in Medicine, 2000, 44, 401-411.	3.0	145
40	Causal Hierarchy within the Thalamo-Cortical Network in Spike and Wave Discharges. PLoS ONE, 2009, 4, e6475.	2.5	141
41	Reorganization of Verbal and Nonverbal Memory in Temporal Lobe Epilepsy Due to Unilateral Hippocampal Sclerosis. Epilepsia, 2007, 48, 1512-1525.	5.1	139
42	Imaging language networks before and after anterior temporal lobe resection: Results of a longitudinal fMRI study. Epilepsia, 2012, 53, 639-650.	5.1	139
43	Common genetic variation and susceptibility to partial epilepsies: a genome-wide association study. Brain, 2010, 133, 2136-2147.	7.6	132
44	Progressive Cortical Thinning in Patients With Focal Epilepsy. JAMA Neurology, 2019, 76, 1230.	9.0	132
45	Short echo time single-voxel1H magnetic resonance spectroscopy in magnetic resonance imaging-negative temporal lobe epilepsy: Different biochemical profile compared with hippocampal sclerosis. Annals of Neurology, 1999, 45, 369-376.	5.3	131
46	A meta‑analysis of white matter changes in temporal lobe epilepsy as studied with diffusion tensor imaging. Epilepsia, 2012, 53, 659-667.	5.1	131
47	Advanced diffusion imaging sequences could aid assessing patients with focal cortical dysplasia and epilepsy. Epilepsy Research, 2014, 108, 336-339.	1.6	129
48	A functional magnetic resonance imaging study mapping the episodic memory encoding network in temporal lobe epilepsy. Brain, 2013, 136, 1868-1888.	7.6	124
49	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. Brain, 2020, 143, 2454-2473.	7.6	123
50	EEG correlated functional MRI and postoperative outcome in focal epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2010, 81, 922-927.	1.9	122
51	Memory fMRI in left hippocampal sclerosis: Optimizing the approach to predicting postsurgical memory. Neurology, 2006, 66, 699-705.	1.1	117
52	Epileptic networks in focal cortical dysplasia revealed using electroencephalography‑functional magnetic resonance imaging. Annals of Neurology, 2011, 70, 822-837.	5.3	116
53	Antiepileptic Drugs and the Electroencephalogram. Epilepsia, 1987, 28, 259-266.	5.1	115
54	Cerebral Damage in Epilepsy: A Population-based Longitudinal Quantitative MRI Study. Epilepsia, 2005, 46, 1482-1494.	5.1	114

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55	Preserved verbal memory function in left medial temporal pathology involves reorganisation of function to right medial temporal lobe. NeuroImage, 2003, 20, S112-S119.	4.2	111
56	The structural plasticity of white matter networks following anterior temporal lobe resection. Brain, 2010, 133, 2348-2364.	7.6	111
57	The impact of epilepsy surgery on the structural connectome and its relation to outcome. NeuroImage: Clinical, 2018, 18, 202-214.	2.7	109
58	Seizure-associated hippocampal volume loss: A longitudinal magnetic resonance study of temporal lobe epilepsy. Annals of Neurology, 2002, 52, 861-861.	5.3	107
59	Proton MRS reveals frontal lobe metabolite abnormalities in idiopathic generalized epilepsy. Neurology, 2003, 61, 897-902.	1.1	107
60	Electroencephalography/functional MRI in human epilepsy: what it currently can and cannot do. Current Opinion in Neurology, 2007, 20, 417-423.	3.6	104
61	Diffusion‐based magnetic resonance imaging and tractography in epilepsy. Epilepsia, 2008, 49, 189-200.	5.1	102
62	Upregulation of opioid receptor binding following spontaneous epileptic seizures. Brain, 2007, 130, 1009-1016.	7.6	101
63	Hippocampus-dependent and -independent theta-networks of active maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20493-20498.	7.1	100
64	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. Science Advances, 2020, 6, .	10.3	97
65	BOLD and perfusion changes during epileptic generalised spike wave activity. NeuroImage, 2008, 39, 608-618.	4.2	95
66	Structural imaging biomarkers of sudden unexpected death in epilepsy. Brain, 2015, 138, 2907-2919.	7.6	95
67	Volumes, spatial extents and a probabilistic atlas of the human basal ganglia and thalamus. NeuroImage, 2007, 38, 261-270.	4.2	94
68	The utility of 18F-fluorodeoxyglucose PET (FDG PET) in epilepsy surgery. Epilepsy Research, 2014, 108, 1306-1314.	1.6	94
69	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	4.2	94
70	Diffusion tensor imaging in refractory epilepsy. Lancet, The, 2002, 359, 1748-1751.	13.7	93
71	Automatic detection and quantification of hippocampal atrophy on MRI in temporal lobe epilepsy: A proof-of-principle study. NeuroImage, 2007, 36, 38-47.	4.2	91
72	Noncanonical spike-related BOLD responses in focal epilepsy. Human Brain Mapping, 2007, 29, 329-345.	3.6	91

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73	Antiepileptic Drugs. Drug Safety, 1993, 9, 156-184.	3.2	90
74	Independent component analysis of interictal fMRI in focal epilepsy: Comparison with general linear model-based EEG-correlated fMRI. NeuroImage, 2007, 38, 488-500.	4.2	89
75	Voxel€based analysis of whole brain FLAIR at 3T detects focal cortical dysplasia. Epilepsia, 2008, 49, 786-793.	5.1	89
76	The role of the Wada test in the surgical treatment of temporal lobe epilepsy: An international survey. Epilepsia, 2008, 49, 715-720.	5.1	89
77	Epilepsy imaging study guideline criteria: Commentary on diagnostic testing study guidelines and practice parameters. Epilepsia, 2011, 52, 1750-1756.	5.1	89
78	Memory fMRI predicts verbal memory decline after anterior temporal lobe resection. Neurology, 2015, 84, 1512-1519.	1.1	88
79	Grey and white matter flumazenil binding in neocortical epilepsy with normal MRI. A PET study of 44 patients. Brain, 2003, 126, 1300-1318.	7.6	87
80	Connectivity of the supplementary motor area in juvenile myoclonic epilepsy and frontal lobe epilepsy. Epilepsia, 2011, 52, 507-514.	5.1	85
81	Optic radiation tractography and vision in anterior temporal lobe resection. Annals of Neurology, 2012, 71, 334-341.	5.3	85
82	Effects of Vigabatrin on Cognitive Function and Mood When Used as Add-on Therapy in Patients with Intractable Epilepsy. Epilepsia, 1992, 33, 128-134.	5.1	83
83	Memory reorganization following anterior temporal lobe resection: a longitudinal functional MRI study. Brain, 2013, 136, 1889-1900.	7.6	83
84	PET Reconstruction With an Anatomical MRI Prior Using Parallel Level Sets. IEEE Transactions on Medical Imaging, 2016, 35, 2189-2199.	8.9	82
85	Neuroimaging and connectomics of drug€resistant epilepsy at multiple scales: From focal lesions to macroscale networks. Epilepsia, 2019, 60, 593-604.	5.1	82
86	Effects of Removal of Phenytoin, Carbamazepine, and Valproate on Cognitive Function. Epilepsia, 1990, 31, 584-591.	5.1	80
87	Automated MR image classification in temporal lobe epilepsy. NeuroImage, 2012, 59, 356-362.	4.2	80
88	Central Benzodiazepine/gamma-Aminobutyric AcidA Receptors in Idiopathic Generalized Epilepsy: An [11C]Flumazenil Positron Emission Tomography Study. Epilepsia, 1997, 38, 1089-1097.	5.1	79
89	High-resolution diffusion tensor imaging of the hippocampus in temporal lobe epilepsy. Epilepsy Research, 2006, 71, 102-106.	1.6	77
90	Neuroimaging in epilepsy. Current Opinion in Neurology, 2018, 31, 371-378.	3.6	77

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91	The combination of EEG Source Imaging and EEG‐correlated functional MRI to map epileptic networks. Epilepsia, 2010, 51, 491-505.	5.1	75
92	Left temporal lobe language network connectivity in temporal lobe epilepsy. Brain, 2018, 141, 2406-2418.	7.6	75
93	Selecting patients for epilepsy surgery: Synthesis of data. Epilepsy and Behavior, 2011, 20, 230-232.	1.7	74
94	Hippocampal activation correlates with visual confrontation naming: fMRI findings in controls and patients with temporal lobe epilepsy. Epilepsy Research, 2011, 95, 246-254.	1.6	73
95	The value of repeat neuroimaging for epilepsy at a tertiary referral centre: 16 years of experience. Epilepsy Research, 2013, 105, 349-355.	1.6	73
96	The structural consequences of newly diagnosed seizures. Annals of Neurology, 2002, 52, 573-580.	5.3	72
97	Evaluation of Quantitative Magnetic Resonance Imaging Contrasts in MRI-Negative Refractory Focal Epilepsy. Epilepsia, 2007, 48, 229-237.	5.1	72
98	Seizure-induced neuronal injury. Neurology, 2002, 59, S15-20.	1.1	72
99	Automated normalized FLAIR imaging in MRI‐negative patients with refractory focal epilepsy. Epilepsia, 2009, 50, 1484-1490.	5.1	70
100	In vivo [11C] flumazenil-PET correlates with ex vivo [3H] flumazenil autoradiography in hippocampal sclerosis. Annals of Neurology, 1998, 43, 618-626.	5.3	69
101	Effect of topiramate and zonisamide on fMRI cognitive networks. Neurology, 2017, 88, 1165-1171.	1.1	69
102	Association of Piriform Cortex Resection With Surgical Outcomes in Patients With Temporal Lobe Epilepsy. JAMA Neurology, 2019, 76, 690.	9.0	69
103	A Short-echo-time Proton Magnetic Resonance Spectroscopic Imaging Study of Temporal Lobe Epilepsy. Epilepsia, 2002, 43, 1021-1031.	5.1	68
104	Improvements in memory function following anterior temporal lobe resection for epilepsy. Neurology, 2008, 71, 1319-1325.	1.1	68
105	Initial Evaluation of 18F-GE-179, a Putative PET Tracer for Activated N-Methyl d-Aspartate Receptors. Journal of Nuclear Medicine, 2014, 55, 423-430.	5.0	68
106	Preventing visual field deficits from neurosurgery. Neurology, 2014, 83, 604-611.	1.1	67
107	Cerebral metabolism and perfusion in MR-negative individuals with refractory focal epilepsy assessed by simultaneous acquisition of 18 F-FDG PET and arterial spin labeling. NeuroImage: Clinical, 2016, 11, 648-657.	2.7	67
108	Levetiracetam reduces abnormal network activations in temporal lobe epilepsy. Neurology, 2014, 83, 1508-1512.	1.1	66

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109	Reading skills after left anterior temporal lobe resection: an fMRI study. Brain, 2005, 128, 1377-1385.	7.6	65
110	The Amygdala and Temporal Lobe Simple Partial Seizures: A Prospective and Quantitative MRI Study. Epilepsia, 2001, 42, 857-862.	5.1	64
111	Cognitive consequences of childhood-onset temporal lobe epilepsy across the adult lifespan. Neurology, 2010, 75, 705-711.	1.1	64
112	Imaging language pathways predicts postoperative naming deficits. Journal of Neurology, Neurosurgery and Psychiatry, 2008, 79, 327-330.	1.9	62
113	Memory network plasticity after temporal lobe resection: a longitudinal functional imaging study. Brain, 2016, 139, 415-430.	7.6	62
114	A Proton Magnetic Resonance Spectroscopy Study of Metabolites in the Occipital Lobes in Epilepsy. Epilepsia, 2003, 44, 550-558.	5.1	61
115	Mapping preictal and ictal haemodynamic networks using video-electroencephalography and functional imaging. Brain, 2012, 135, 3645-3663.	7.6	61
116	Imaging the neocortex in epilepsy with double inversion recovery imaging. NeuroImage, 2006, 31, 39-50.	4.2	60
117	Clustering probabilistic tractograms using independent component analysis applied to the thalamus. NeuroImage, 2011, 54, 2020-2032.	4.2	60
118	Hippocampal and cerebellar volumetry in serially acquired MRI volume scans. Magnetic Resonance Imaging, 2000, 18, 1027-1033.	1.8	59
119	Automated hippocampal segmentation in patients with epilepsy: Available free online. Epilepsia, 2013, 54, 2166-2173.	5.1	59
120	Classification and Lateralization of Temporal Lobe Epilepsies with and without Hippocampal Atrophy Based on Whole-Brain Automatic MRI Segmentation. PLoS ONE, 2012, 7, e33096.	2.5	59
121	Statistical neuroanatomy of the human inferior frontal gyrus and probabilistic atlas in a standard stereotaxic space. Human Brain Mapping, 2007, 28, 34-48.	3.6	58
122	PROPELLER MRI visualizes detailed pathology of hippocampal sclerosis. Epilepsia, 2008, 49, 33-39.	5.1	58
123	Diffusion tensor imaging tractography to visualize the relationship of the optic radiation to epileptogenic lesions prior to neurosurgery. Epilepsia, 2011, 52, 1430-1438.	5.1	58
124	Motor co-activation in siblings of patients with juvenile myoclonic epilepsy: an imaging endophenotype?. Brain, 2014, 137, 2469-2479.	7.6	58
125	The Application of Functional MRI of Memory in Temporal Lobe Epilepsy: A Clinical Review. Epilepsia, 2004, 45, 855-863.	5.1	57
126	Riskâ€taking behavior in juvenile myoclonic epilepsy. Epilepsia, 2013, 54, 2158-2165.	5.1	57

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127	The effect of topiramate on cognitive fMRI. Epilepsy Research, 2013, 105, 250-255.	1.6	57
128	Central benzodiazepine receptor autoradiography in hippocampal sclerosis. British Journal of Pharmacology, 1997, 122, 358-364.	5.4	55
129	Quantitative short echo time proton magnetic resonance spectroscopic imaging study of malformations of cortical development causing epilepsy. Brain, 2001, 124, 427-436.	7.6	55
130	Exploring white matter tracts in band heterotopia using diffusion tractography. Annals of Neurology, 2002, 52, 327-334.	5.3	55
131	Abnormal hippocampal structure and function in juvenile myoclonic epilepsy and unaffected siblings. Brain, 2019, 142, 2670-2687.	7.6	54
132	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. Epilepsia, 2019, 60, 718-729.	5.1	54
133	Thalamus and focal to bilateral seizures. Neurology, 2020, 95, e2427-e2441.	1.1	54
134	Seizures after Ischemic Stroke: A Matched Multicenter Study. Annals of Neurology, 2021, 90, 808-820.	5.3	54
135	Automated trajectory planning for laser interstitial thermal therapy in mesial temporal lobe epilepsy. Epilepsia, 2018, 59, 814-824.	5.1	52
136	Brain Imaging in Idiopathic Generalized Epilepsies. Epilepsia, 2005, 46, 108-111.	5.1	50
137	Structural correlates of impaired working memory in hippocampal sclerosis. Epilepsia, 2013, 54, 1143-1153.	5.1	50
138	Factors affecting seizure outcome after epilepsy surgery: an observational series. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 933-940.	1.9	50
139	Functional magnetic resonance imaging for assessment of language and memory in clinical practice: review. Current Opinion in Neurology, 2005, 18, 161-166.	3.6	49
140	Severe autosomal dominant nocturnal frontal lobe epilepsy associated with psychiatric disorders and intellectual disability. Epilepsia, 2008, 49, 2125-2129.	5.1	49
141	Structural Brain Network Abnormalities and the Probability of Seizure Recurrence After Epilepsy Surgery. Neurology, 2021, 96, e758-e771.	1.1	49
142	Magnetic Resonance Spectroscopy. Epilepsia, 1996, 37, 598-605.	5.1	48
143	Preoperative amygdala fMRI in temporal lobe epilepsy. Epilepsia, 2009, 50, 217-227.	5.1	48
144	Benzodiazepine-GABAA Receptors in Idiopathic Generalized Epilepsy Measured with [11C]Flumazenil and Positron Emission Tomography. Epilepsia, 1995, 36, 113-121.	5.1	47

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145	Analysis of EEG–fMRI data in focal epilepsy based on automated spike classification and Signal Space Projection. NeuroImage, 2006, 31, 1015-1024.	4.2	47
146	The <scp>ENIGMA–Epilepsy</scp> working group: Mapping disease from large data sets. Human Brain Mapping, 2022, 43, 113-128.	3.6	47
147	Discontinuation of Phenytoin, Carbamazepine, and Valproate in Patients with Active Epilepsy. Epilepsia, 1990, 31, 324-333.	5.1	46
148	The promise of new antiepileptic drugs. British Journal of Clinical Pharmacology, 2002, 53, 123-131.	2.4	46
149	Postictal diffusion tensor imaging. Epilepsy Research, 2005, 65, 137-146.	1.6	46
150	Balancing bias, reliability, noise properties and the need for parametric maps in quantitative ligand PET: [11C]diprenorphine test–retest data. NeuroImage, 2007, 38, 82-94.	4.2	46
151	Long-term retention of lacosamide in a large cohort of people with medically refractory epilepsy: A single centre evaluation. Epilepsy Research, 2013, 106, 250-256.	1.6	46
152	Effects of the Removal of Phenytoin, Carbamazepine, and Valproate on the Electroencephalogram. Epilepsia, 1989, 30, 590-596.	5.1	45
153	EEG–fMRI mapping of asymmetrical delta activity in a patient with refractory epilepsy is concordant with the epileptogenic region determined by intracranial EEG. Magnetic Resonance Imaging, 2006, 24, 367-371.	1.8	45
154	Epilepsy surgery. Clinical Medicine, 2007, 7, 137-142.	1.9	43
155	Advances in epilepsy surgery. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 1273-1279.	1.9	43
156	Automated T2 relaxometry of the hippocampus for temporal lobe epilepsy. Epilepsia, 2017, 58, 1645-1652.	5.1	43
157	Mapping hemodynamic correlates of seizures using fMRI: A review. Human Brain Mapping, 2013, 34, 447-466.	3.6	42
158	Sinus node dysfunction: An adverse effect of lacosamide. Epilepsia, 2013, 54, e90-3.	5.1	42
159	Lacosamide Serum Concentrations in Adult Patients With Epilepsy. Therapeutic Drug Monitoring, 2014, 36, 494-498.	2.0	42
160	Focal to bilateral tonic–clonic seizures are associated with widespread network abnormality in temporal lobe epilepsy. Epilepsia, 2021, 62, 729-741.	5.1	42
161	Epilepsy & depression: The effects of comorbidity on hippocampal volume—A pilot study. Seizure: the Journal of the British Epilepsy Association, 2005, 14, 435-438.	2.0	41
162	Structural and effective connectivity in focal epilepsy. NeuroImage: Clinical, 2018, 17, 943-952.	2.7	41

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163	Partial epilepsy with pericentral spikes: A new familial epilepsy syndrome with evidence for linkage to chromosome 4p15. Annals of Neurology, 2002, 51, 740-749.	5.3	40
164	Neuroimaging methods to evaluate the etiology and consequences of epilepsy. Epilepsy Research, 2002, 50, 131-140.	1.6	40
165	Accurate Localization of Optic Radiation During Neurosurgery in an Interventional MRI Suite. IEEE Transactions on Medical Imaging, 2012, 31, 882-891.	8.9	40
166	Factors affecting reorganisation of memory encoding networks in temporal lobe epilepsy. Epilepsy Research, 2015, 110, 1-9.	1.6	40
167	Idiopathic generalized epilepsies with typical absences. Journal of Neurology, 1997, 244, 403-411.	3.6	39
168	Diffusion tensor imaging tractography of the optic radiation for epilepsy surgical planning: A comparison of two methods. Epilepsy Research, 2011, 97, 124-132.	1.6	38
169	Gelastic seizures: Incidence, clinical and <scp>EEG</scp> features in adult patients undergoing video€<scp>EEG</scp> telemetry. Epilepsia, 2015, 56, e1-5.	5.1	38
170	[11C]Flumazenil PET in Temporal Lobe Epilepsy: Do We Need an Arterial Input Function or Kinetic Modeling?. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 207-216.	4.3	37
171	Progressive white matter changes following anterior temporal lobe resection for epilepsy. NeuroImage: Clinical, 2014, 4, 190-200.	2.7	37
172	Automated multiple trajectory planning algorithm for the placement of stereo-electroencephalography (SEEG) electrodes in epilepsy treatment. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 123-136.	2.8	37
173	Quantification of opiate receptors in two patients with mesiobasal temporal lobe epilepsy, before and after selective amygdalo- hippocampectomy, using positron emission tomography. Epilepsy Research, 1994, 18, 119-125.	1.6	36
174	Voxel€based magnetic resonance image postprocessing in epilepsy. Epilepsia, 2017, 58, 1653-1664.	5.1	36
175	Seizure pathways change on circadian and slower timescales in individual patients with focal epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11048-11058.	7.1	36
176	Effects of Discontinuation of Phenytoin, Carbamazepine, and Valproate on Concomitant Antiepileptic Medication. Epilepsia, 1991, 32, 101-115.	5.1	35
177	Periventricular White Matter Flumazenil Binding and Postoperative Outcome in Hippocampal Sclerosis. Epilepsia, 2005, 46, 944-948.	5.1	34
178	Proton magnetic resonance spectroscopy of malformations of cortical development causing epilepsy. Epilepsy Research, 2007, 74, 107-115.	1.6	34
179	Anatomy-driven multiple trajectory planning (ADMTP) of intracranial electrodes for epilepsy surgery. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1245-1255.	2.8	34
180	Late-Onset Rasmussen's Syndrome with First Seizure during Pregnancy. European Neurology, 1995, 35, 172-172.	1.4	33

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181	Neuropsychological function in patients who have had epilepsy surgery: A long-term follow-up. Epilepsy and Behavior, 2012, 23, 24-29.	1.7	33
182	Feasibility of multimodal 3D neuroimaging to guide implantation of intracranial EEG electrodes. Epilepsy Research, 2013, 107, 91-100.	1.6	33
183	Working memory network plasticity after anterior temporal lobe resection: a longitudinal functional magnetic resonance imaging study. Brain, 2014, 137, 1439-1453.	7.6	33
184	Computer-assisted planning for the insertion of stereoelectroencephalography electrodes for the investigation of drug-resistant focal epilepsy: an external validation study. Journal of Neurosurgery, 2018, , 1-10.	1.6	33
185	A fast FLAIR dual-echo technique for hippocampal T2 relaxometry: First experiences in patients with temporal lobe epilepsy. Journal of Magnetic Resonance Imaging, 2001, 13, 547-552.	3.4	32
186	Correlation of cognitive functions with voxel-based morphometry in patients with hippocampal sclerosis. Epilepsy and Behavior, 2008, 12, 472-476.	1.7	32
187	Modification of GABAB1 and GABAB2 receptor subunits in the somatosensory cerebral cortex and thalamus of rats with absence seizures (GAERS). Epilepsy Research, 2003, 55, 39-51.	1.6	31
188	Changes in Cortical Potential Associated With Modulation of Peripheral Sympathetic Activity in Patients With Epilepsy. Psychosomatic Medicine, 2009, 71, 84-92.	2.0	31
189	Attenuation Correction Synthesis for Hybrid PET-MR Scanners. Lecture Notes in Computer Science, 2013, 16, 147-154.	1.3	31
190	New Antiepileptic Drugs. CNS Drugs, 1994, 2, 40-77.	5.9	30
191	Cortical neuronal loss and hippocampal sclerosis are not detected by voxel€based morphometry in individual epilepsy surgery patients. Human Brain Mapping, 2009, 30, 3351-3360.	3.6	30
192	Effects of carbamazepine and lamotrigine on functional magnetic resonance imaging cognitive networks. Epilepsia, 2018, 59, 1362-1371.	5.1	30
193	Microstructural imaging in temporal lobe epilepsy: Diffusion imaging changes relate to reduced neurite density. NeuroImage: Clinical, 2020, 26, 102231.	2.7	30
194	Interictal intracranial electroencephalography for predicting surgical success: The importance of space and time. Epilepsia, 2020, 61, 1417-1426.	5.1	30
195	The Mozart effect: Encore. Epilepsy and Behavior, 2007, 11, 152-153.	1.7	29
196	An investigation of the relationship between BOLD and perfusion signal changes during epileptic generalised spike wave activity. Magnetic Resonance Imaging, 2008, 26, 870-873.	1.8	29
197	Language dominance assessment in a bilingual population: Validity of fMRI in the second language. Epilepsia, 2014, 55, 1504-1511.	5.1	29
198	Naming fMRI predicts the effect of temporal lobe resection on language decline. Annals of Clinical and Translational Neurology, 2019, 6, 2186-2196.	3.7	29

#	Article	IF	Citations
199	Benzodiazepine-GABAA Receptor Binding During Absence Seizures. Epilepsia, 1995, 36, 592-599.	5.1	28
200	GABAB(1) mRNA expression in hippocampal sclerosis associated with human temporal lobe epilepsy. Molecular Brain Research, 2001, 86, 84-89.	2.3	28
201	Postictal diffusion weighted imaging. Epilepsy Research, 2006, 70, 133-143.	1.6	28
202	Evidence-Based Practice. Archives of Neurology, 2008, 65, 841-5.	4.5	28
203	Correlating 3T MRI and histopathology in patients undergoing epilepsy surgery. Journal of Neuroscience Methods, 2012, 205, 182-189.	2.5	28
204	A novel *SLC2A1* mutation linking hemiplegic migraine with alternating hemiplegia of childhood. Cephalalgia, 2015, 35, 10-15.	3.9	28
205	Normative brain mapping of interictal intracranial EEG to localize epileptogenic tissue. Brain, 2022, 145, 939-949.	7.6	28
206	Proton MR spectroscopy of metabolite concentrations in temporal lobe epilepsy and effect of temporal lobe resection. Epilepsy Research, 2009, 83, 168-176.	1.6	27
207	Assessing hippocampal functional reserve in temporal lobe epilepsy: A multi-voxel pattern analysis of fMRI data. Epilepsy Research, 2013, 105, 140-149.	1.6	27
208	Optimizing Trajectories for Cranial Laser Interstitial Thermal Therapy Using Computer-Assisted Planning: A Machine Learning Approach. Neurotherapeutics, 2019, 16, 182-191.	4.4	27
209	Resective surgery prevents progressive cortical thinning in temporal lobe epilepsy. Brain, 2020, 143, 3262-3272.	7.6	27
210	A dialogue with historical concepts of epilepsy from the Babylonians to Hughlings Jackson: Persistent beliefs. Epilepsy and Behavior, 2011, 21, 109-114.	1.7	26
211	The long-term retention of zonisamide in a large cohort of people with epilepsy at a tertiary referral centre. Epilepsy Research, 2011, 96, 39-44.	1.6	26
212	Retention of perampanel in adults with pharmacoresistant epilepsy at a single tertiary care center. Epilepsy and Behavior, 2017, 73, 106-110.	1.7	26
213	Hippocampal profiling: Localized magnetic resonance imaging volumetry and T2 relaxometry for hippocampal sclerosis. Epilepsia, 2020, 61, 297-309.	5.1	26
214	Imaging the Brain's Highways—Diffusion Tensor Imaging in Epilepsy. Epilepsy Currents, 2008, 8, 85-89.	0.8	25
215	The long-term retention of pregabalin in a large cohort of patients with epilepsy at a tertiary referral centre. Epilepsy Research, 2009, 87, 120-123.	1.6	25
216	Predictors for being offered epilepsy surgery: 5-year experience of a tertiary referral centre: TableÂ1. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, jnnp-2014-310148.	1.9	25

#	Article	IF	Citations
217	Somatic complications of epilepsy surgery over 25 years at a single center. Epilepsy Research, 2017, 132, 70-77.	1.6	25
218	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. NeuroImage: Clinical, 2021, 31, 102765.	2.7	25
219	GABAB receptor autoradiography in hippocampal sclerosis associated with human temporal lobe epilepsy. British Journal of Pharmacology, 2001, 132, 475-480.	5.4	24
220	Reliable Registration of Preoperative MRI with Histopathology after Temporal Lobe Resections. Epilepsia, 2005, 46, 1646-1653.	5.1	24
221	Memory in frontal lobe epilepsy: An fMRI study. Epilepsia, 2012, 53, 1756-1764.	5.1	24
222	Generalized Spike and Waves: Effect of Discharge Duration on Brain Networks as Revealed by BOLD fMRI. Brain Topography, 2014, 27, 123-137.	1.8	24
223	Automatic segmentation of stereoelectroencephalography (SEEG) electrodes post-implantation considering bending. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 935-946.	2.8	24
224	Uncovering Genomic Causes of Co-Morbidity in Epilepsy: Gene-Driven Phenotypic Characterization of Rare Microdeletions. PLoS ONE, 2011, 6, e23182.	2.5	24
225	A Computer Assisted Planning System for the Placement of sEEG Electrodes in the Treatment of Epilepsy. Lecture Notes in Computer Science, 2014, , 118-127.	1.3	23
226	Hippocampal Shape Is Associated with Memory Deficits in Temporal Lobe Epilepsy. Annals of Neurology, 2020, 88, 170-182.	5.3	23
227	Acetazolamide and Autosomal Dominant Nocturnal Frontal Lobe Epilepsy. Epilepsia, 2003, 44, 986-987.	5.1	22
228	Meyer's loop asymmetry and language lateralisation in epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 836-842.	1.9	22
229	Disorganization of language and working memory systems in frontal versus temporal lobe epilepsy. Brain, 2023, 146, 935-953.	7.6	22
230	The cognitive consequences of epilepsy. Annals of Neurology, 2003, 54, 421-422.	5.3	21
231	Stability, structure and scale: improvements in multi-modal vessel extraction for SEEG trajectory planning. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1227-1237.	2.8	21
232	The epilepsy nurse specialist at a tertiary care hospital—improving the interface between primary and tertiary care. Seizure: the Journal of the British Epilepsy Association, 2002, 11, 494-499.	2.0	20
233	Mapping human preictal and ictal haemodynamic networks using simultaneous intracranial EEG-fMRI. NeuroImage: Clinical, 2016, 11, 486-493.	2.7	20
234	Removal of Interictal MEG-Derived Network Hubs Is Associated With Postoperative Seizure Freedom. Frontiers in Neurology, 2020, 11, 563847.	2.4	20

#	Article	IF	Citations
235	The effect of sodium valproate on proton MRS visible neurochemical concentrations. Epilepsy Research, 2007, 74, 215-219.	1.6	19
236	Susceptibility artefact correction using dynamic graph cuts: Application to neurosurgery. Medical Image Analysis, 2014, 18, 1132-1142.	11.6	19
237	Stereoelectroencephalography electrode placement: Detection of blood vessel conflicts. Epilepsia, 2019, 60, 1942-1948.	5.1	19
238	Automated fiber tract reconstruction for surgery planning: Extensive validation in language-related white matter tracts. NeuroImage: Clinical, 2019, 23, 101883.	2.7	19
239	Comparison of robotic and manual implantation of intracerebral electrodes: a single-centre, single-blinded, randomised controlled trial. Scientific Reports, 2021, 11, 17127.	3.3	19
240	Epilepsy surgery for people with a low IQ. Seizure: the Journal of the British Epilepsy Association, 2009, 18, 150-152.	2.0	18
241	De novo psychogenic nonepileptic attacks after adult epilepsy surgery: An underestimated entity. Epilepsia, 2013, 54, e159-62.	5.1	18
242	Multivariate white matter alterations are associated with epilepsy duration. European Journal of Neuroscience, 2021, 53, 2788-2803.	2.6	18
243	Reasons for not having epilepsy surgery. Epilepsia, 2021, 62, 2909-2919.	5.1	18
244	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	7.6	18
245	Utility of 18F‑fluorodeoxyglucose positron emission tomography in presurgical evaluation of patients with epilepsy: A multicenter study. Epilepsia, 2022, 63, 1238-1252.	5.1	18
246	Imaging the interaction: Epileptic discharges, working memory, and behavior. Human Brain Mapping, 2013, 34, 2910-2917.	3.6	17
247	Test‑retest reproducibility of cannabinoid-receptor type 1 availability quantified with the PET ligand [11C]MePPEP. NeuroImage, 2014, 97, 151-162.	4.2	17
248	Motor hyperactivation during cognitive tasks: An endophenotype of juvenile myoclonic epilepsy. Epilepsia, 2020, 61, 1438-1452.	5.1	17
249	Validation of a combined image derived input function and venous sampling approach for the quantification of [18F]GE-179 PET binding in the brain. NeuroImage, 2021, 237, 118194.	4.2	17
250	Rates of antiepileptic drug reduction in active epilepsy — current practice. Epilepsy Research, 1987, 1, 357-364.	1.6	16
251	Quantification of opioid receptor availability following spontaneous epileptic seizures: Correction of [11C]diprenorphine PET data for the partial-volume effect. NeuroImage, 2013, 79, 72-80.	4.2	16
252	The impact of mapping interictal discharges using EEG-fMRI on the epilepsy presurgical clinical decision making process: A prospective study. Seizure: the Journal of the British Epilepsy Association, 2018, 61, 30-37.	2.0	16

#	ARTICLE	IF	CITATIONS
253	Computer-Assisted Planning for Stereoelectroencephalography (SEEG). Neurotherapeutics, 2019, 16, 1183-1197.	4.4	16
254	Impaired naming performance in temporal lobe epilepsy: language fMRI responses are modulated by disease characteristics. Journal of Neurology, 2021, 268, 147-160.	3.6	16
255	Fully Automatic Segmentation of the Hippocampus and the Amygdala from MRI Using Hybrid Prior Knowledge. Lecture Notes in Computer Science, 2007, 10, 875-882.	1.3	16
256	Implementation and evaluation of simultaneous video-electroencephalography and functional magnetic resonance imaging. Magnetic Resonance Imaging, 2010, 28, 1192-1199.	1.8	15
257	Multicenter validation of automated trajectories for selective laser amygdalohippocampectomy. Epilepsia, 2019, 60, 1949-1959.	5.1	15
258	Pâ€glycoprotein overactivity in epileptogenic developmental lesions measured in vivo using (R)â€[11 C]verapamil PET. Epilepsia, 2020, 61, 1472-1480.	5.1	15
259	Decoupling of functional and structural language networks in temporal lobe epilepsy. Epilepsia, 2021, 62, 2941-2954.	5.1	15
260	Resective, Ablative and Radiosurgical Interventions for Drug Resistant Mesial Temporal Lobe Epilepsy: A Systematic Review and Meta-Analysis of Outcomes. Frontiers in Neurology, 2021, 12, 777845.	2.4	15
261	Episodic memory network connectivity in temporal lobe epilepsy. Epilepsia, 2022, 63, 2597-2622.	5.1	15
262	<scp>MRI</scp> in the diagnosis and management of epileptomas. Epilepsia, 2013, 54, 40-43.	5.1	14
263	Long term retention of retigabine in a cohort of people with drug resistant epilepsy. Seizure: the Journal of the British Epilepsy Association, 2014, 23, 878-881.	2.0	14
264	Learning to see the invisible: A dataâ€driven approach to finding the underlying patterns of abnormality in visually normal brain magnetic resonance images in patients with temporal lobe epilepsy. Epilepsia, 2019, 60, 2499-2507.	5.1	14
265	Pharmacological management of post-traumatic seizures in adults: current practice patterns in the UK and the Republic of Ireland. Acta Neurochirurgica, 2019, 161, 457-464.	1.7	14
266	Discrimination between neurochemical and macromolecular signals in human frontal lobes using short echo time proton magnetic resonance spectroscopy. Faraday Discussions, 2004, 126, 93.	3.2	13
267	Magnetisation transfer ratio of choline is reduced following epileptic seizures. NMR in Biomedicine, 2006, 19, 217-222.	2.8	13
268	Metabolic lesion-deficit mapping of human cognition. Brain, 2020, 143, 877-890.	7.6	13
269	Optimal Surgical Extent for Memory and Seizure Outcome in Temporal Lobe Epilepsy. Annals of Neurology, 2022, 91, 131-144.	5.3	13
270	MRI studies. Do seizures damage the brain?. Progress in Brain Research, 2002, 135, 253-261.	1.4	12

#	ARTICLE	IF	CITATIONS
271	Epilepsy. Current Opinion in Neurology, 2004, 17, 467-474.	3.6	12
272	Magnetization transfer effect on human brain metabolites and macromolecules. Magnetic Resonance in Medicine, 2005, 54, 1281-1285.	3.0	12
273	Challenging the classical distinction between long-term and short-term memory: reconsidering the role of the hippocampus. Future Neurology, 2011, 6, 351-362.	0.5	12
274	Activations in temporal areas using visual and auditory naming stimuli: A language fMRI study in temporal lobe epilepsy. Epilepsy Research, 2016, 128, 102-112.	1.6	12
275	The impact of brain‐derived neurotrophic factor Val66Met polymorphism on cognition and functional brain networks in patients with intractable partial epilepsy. CNS Neuroscience and Therapeutics, 2019, 25, 223-232.	3.9	12
276	Independent components of human brain morphology. NeuroImage, 2021, 226, 117546.	4.2	12
277	The evolving classification of seizures and epilepsies. Epilepsia, 2011, 52, 1204-1205.	5.1	11
278	Applications of Blood-Oxygen-Level-Dependent Functional Magnetic Resonance Imaging and Diffusion Tensor Imaging in Epilepsy. Neuroimaging Clinics of North America, 2014, 24, 671-694.	1.0	11
279	Improving patient safety during introduction of novel medical devices through cumulative summation analysis. Journal of Neurosurgery, 2018, 130, 213-219.	1.6	11
280	Quantitative expression and localization of GABAB receptor protein subunits in hippocampi from patients with refractory temporal lobe epilepsy. Neuropharmacology, 2018, 136, 117-128.	4.1	11
281	Comment on "*In Vivo* [18F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primates". ACS Chemical Neuroscience, 2019, 10, 768-772.	3.5	11
282	Clinical evaluation of automated quantitative MRI reports for assessment of hippocampal sclerosis. European Radiology, 2021, 31, 34-44.	4.5	11
283	Increasing the accuracy of 3D EEG implantations. Journal of Neurosurgery, 2020, 133, 35-42.	1.6	11
284	Advanced neuroimaging techniques in epilepsy. Current Opinion in Neurology, 2022, 35, 189-195.	3.6	11
285	Structure and function of language networks in temporal lobe epilepsy. Epilepsia, 2022, , .	5.1	11
286	Optimised interictal HMPAO-SPECT in the evaluation of partial epilepsies. Epilepsy Research, 1995, 21, 159-167.	1.6	10
287	Patient satisfaction with specialized epilepsy assessment and treatment. Seizure: the Journal of the British Epilepsy Association, 1996, 5, 195-198.	2.0	10
288	Refinement of optimal medical and surgical treatments. Nature Reviews Neurology, 2011, 7, 72-74.	10.1	10

#	Article	IF	Citations
289	Effect of scatter correction when comparing attenuation maps: Application to brain PET/MR. , 2014, , .		10
290	Mandarin functional <scp>MRI</scp> Language paradigms. Brain and Behavior, 2016, 6, e00525.	2.2	10
291	The Effect of Vascular Segmentation Methods on Stereotactic Trajectory Planning for Drug-Resistant Focal Epilepsy: A Retrospective Cohort Study. World Neurosurgery: X, 2019, 4, 100057.	1.1	10
292	Acute and late neurological complications of COVID19: the quest for evidence. Brain, 2020, 143, e99-e99.	7.6	10
293	Enhancing the estimation of fiber orientation distributions using convolutional neural networks. Computers in Biology and Medicine, 2021, 135, 104643.	7.0	10
294	Bone mineral density in institutionalised patients with refractory epilepsy. Seizure: the Journal of the British Epilepsy Association, 2007, 16, 538-541.	2.0	9
295	The effect of epileptic seizures on proton MRS visible neurochemical concentrations. Epilepsy Research, 2008, 81, 36-43.	1.6	9
296	Detection of covert lesions in focal epilepsy using computational analysis of multimodal magnetic resonance imaging data. Epilepsia, 2021, 62, 807-816.	5.1	9
297	Machine Learning for Localizing Epileptogenic-Zone in the Temporal Lobe: Quantifying the Value of Multimodal Clinical-Semiology and Imaging Concordance. Frontiers in Digital Health, 2021, 3, 559103.	2.8	9
298	Efficacy and Tolerability of the New Antiepileptic Drugs: Commentary on the Recently Published Practice Parameters. Epilepsia, 2004, 45, 1646-1649.	5.1	8
299	Stimulating the brain for epilepsy. Neurology, 2015, 84, 768-769.	1.1	8
300	Auras and the risk of seizures with impaired consciousness following epilepsy surgery: implications for driving. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 599-602.	1.9	8
301	Brain imaging in epilepsy. Practical Neurology, 2019, 19, 438-443.	1.1	8
302	Computer-assisted planning for minimally invasive anterior two-thirds laser corpus callosotomy: A feasibility study with probabilistic tractography validation. NeuroImage: Clinical, 2020, 25, 102174.	2.7	8
303	Computer-Assisted Versus Manual Planning for Stereotactic Brain Biopsy: A Retrospective Comparative Pilot Study. Operative Neurosurgery, 2020, 18, 417-422.	0.8	8
304	Paper by Invitation: Imaging Idiopathic Generalized Epilepsy. Clinical EEG and Neuroscience, 2004, 35, 168-172.	1.7	7
305	The SeLECT score is useful to predict post-stroke epilepsy. Lancet Neurology, The, 2018, 17, 395-396.	10.2	7
306	Evaluation of prospective motion correction of high-resolution 3D-T2-FLAIR acquisitions in epilepsy patients. Journal of Neuroradiology, 2018, 45, 368-373.	1.1	7

#	Article	IF	Citations
307	Prevalence of MRI abnormalities in people with epilepsy in rural China. Neurology, 2020, 95, e1236-e1243.	1.1	7
308	SEEG Trajectory Planning: Combining Stability, Structure and Scale in Vessel Extraction. Lecture Notes in Computer Science, 2014, 17, 651-658.	1.3	7
309	Probabilistic landscape of seizure semiology localizing values. Brain Communications, 2022, 4, .	3.3	7
310	Multiple mechanisms shape the relationship between pathway and duration of focal seizures. Brain Communications, 2022, 4, .	3.3	7
311	Discontinuation of clonazepam in patients with active epilepsy. Seizure: the Journal of the British Epilepsy Association, 1993, 2, 295-300.	2.0	6
312	Positron Emission Tomography Studies of Cerebral Blood Flow and Glucose Metabolism. Epilepsia, 1997, 38, 42-47.	5.1	6
313	Automation Advances in Stereoelectroencephalography Planning. Neurosurgery Clinics of North America, 2020, 31, 407-419.	1.7	6
314	Resection of the piriform cortex for temporal lobe epilepsy: a Novel approach on imaging segmentation and surgical application. British Journal of Neurosurgery, 2021, , 1-6.	0.8	6
315	Integration of structural and functional data. Current Opinion in Neurology, 1998, 11, 119-122.	3.6	6
316	Seizure outcomes in people with drug-resistant focal epilepsy evaluated for surgery but do not proceed. Epilepsy Research, 2021, 178, 106822.	1.6	6
317	Effect of Anti-seizure Medications on Functional Anatomy of Language: A Perspective From Language Functional Magnetic Resonance Imaging. Frontiers in Neuroscience, 2021, 15, 787272.	2.8	6
318	Neck atonia with a focal stimulation€induced seizure arising from the SMA: Pathophysiological considerations. Epilepsy and Behavior, 2012, 24, 503-506.	1.7	5
319	A symmetric block-matching framework for global registration. Proceedings of SPIE, 2014, , .	0.8	5
320	From theory to practice: Critical points in the 2017 ILAE classification of epileptic seizures and epilepsies. Epilepsia, 2020, 61, 350-353.	5.1	5
321	Î±lpha 5 subunit-containing GABAA receptors in temporal lobe epilepsy with normal MRI. Brain Communications, 2021, 3, fcaa190.	3.3	5
322	A self-supervised learning strategy for postoperative brain cavity segmentation simulating resections. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1653-1661.	2.8	5
323	Mapping Epileptic Networks Using Simultaneous Intracranial EEG-fMRI. Frontiers in Neurology, 2021, 12, 693504.	2.4	5
324	Simulation of Brain Resection for Cavity Segmentation Using Self-supervised and Semi-supervised Learning. Lecture Notes in Computer Science, 2020, , 115-125.	1.3	5

#	ARTICLE	IF	CITATIONS
325	The Epilepsies. , 2000, , 317-355.		5
326	Volumetric analysis of the piriform cortex in temporal lobe epilepsy. Epilepsy Research, 2022, 185, 106971.	1.6	5
327	Volumetric and structural connectivity abnormalities co-localise in TLE. NeuroImage: Clinical, 2022, 35, 103105.	2.7	5
328	Effects of discontinuation of individual antiepileptic drugs on mood. Human Psychopharmacology, 1993, 8, 263-270.	1.5	4
329	Simulated field maps for susceptibility artefact correction in interventional MRI. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1405-1416.	2.8	4
330	Simplifying [18F]GE-179 PET: are both arterial blood sampling and 90-min acquisitions essential?. EJNMMI Research, 2018, 8, 46.	2.5	4
331	Refining Planning for Stereoelectroencephalography: A Prospective Validation of Spatial Priors for Computer-Assisted Planning With Application of Dynamic Learning. Frontiers in Neurology, 2020, 11, 706.	2.4	4
332	Patient-specific prediction of SEEG electrode bending for stereotactic neurosurgical planning. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 789-798.	2.8	4
333	Improved Neuronavigation through Integration of Intraoperative Anatomical and Diffusion Images in an Interventional MRI Suite. Lecture Notes in Computer Science, 2011, , 168-178.	1.3	4
334	Intraoperative overlay of optic radiation tractography during anteromesial temporal resection: a prospective validation study. Journal of Neurosurgery, 2022, 136, 543-552.	1.6	4
335	Development of psychogenic non-epileptic seizures in response to auditory hallucinations. Seizure: the Journal of the British Epilepsy Association, 2007, 16, 717-721.	2.0	3
336	Concerns about bilateral radiosurgical treatment of a patient with bilateral temporal lobe epilepsy. Epilepsia, 2014, 55, 623-623.	5.1	3
337	Attenuation correction synthesis for hybrid PET-MR scanners: validation for brain study applications. EJNMMI Physics, 2014, 1, A52.	2.7	3
338	Promise and pitfalls of prognostic models for epilepsy surgery. Lancet Neurology, The, 2015, 14, 683-684.	10.2	3
339	A Machine Learning Approach to Predict Instrument Bending in Stereotactic Neurosurgery. Lecture Notes in Computer Science, 2018, , 238-246.	1.3	3
340	Automated computation and analysis of accuracy metrics in stereoencephalography. Journal of Neuroscience Methods, 2020, 340, 108710.	2.5	3
341	Non-parametric combination of multimodal MRI for lesion detection in focal epilepsy. NeuroImage: Clinical, 2021, 32, 102837.	2.7	3
342	Epilepsy in the 21st century. Lancet Neurology, The, 2022, 21, 501-503.	10.2	3

#	Article	IF	Citations
343	Multidisciplinary team meetings: the epilepsy experience. Practical Neurology, 2022, 22, 376-380.	1.1	3
344	Susceptibility artefact correction by combining B0 field maps and non-rigid registration using graph cuts. , 2013, , .		2
345	Towards Uncertainty Quantification for Electrode Bending Prediction in Stereotactic Neurosurgery. , 2020, , .		2
346	Validation of computational lesion detection methods in magnetic resonance imaging–negative, focal epilepsy. Epilepsia, 2020, 61, 828-830.	5.1	2
347	A generative model of hyperelastic strain energy density functions for multiple tissue brain deformation. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 141-150.	2.8	2
348	Efficient Anatomy Driven Automated Multiple Trajectory Planning for Intracranial Electrode Implantation. Lecture Notes in Computer Science, 2016, , 542-550.	1.3	2
349	Towards improved test-retest reliability in quantitative ligand PET: [11C]Diprenorphine as an example. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S665-S665.	4.3	2
350	Positron Emission Tomography Receptor Studies. Epilepsia, 1997, 38, 48-51.	5.1	1
351	Seizure freedom following 49 years of refractory epilepsy due to focal cortical dysplasia. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 706-707.	1.9	1
352	Simulated Field Maps: Toward Improved Susceptibility Artefact Correction in Interventional MRI. Lecture Notes in Computer Science, 2014, , 226-235.	1.3	1
353	Cost of pre-surgical evaluation for epilepsy surgery: A single-center experience. Epilepsy Research, 2022, 182, 106910.	1.6	1
354	Three-dimensional analysis of MRI. Handbook of Clinical Neurophysiology, 2003, 3, 513-529.	0.0	0
355	Self-assessment questions in diagnostic imaging. Neuroimaging Clinics of North America, 2004, 14, 563-571.	1.0	0
356	Response to Tinuper et al.. Epilepsia, 2007, 48, 1034-1034.	5.1	0
357	Imaging Biomarkers to Study Cognition in Epilepsy. , 2019, , 229-244.		0
358	Vagus nerve stimulation for epilepsy. Practical Neurology, 2020, 20, 186-186.	1.1	0
359	Long-Term Seizure and Antiepileptic Drug Outcomes After Epilepsy Surgery in Adults. , 2015, , 19-41.		0
360	Bilateral Weighted Adaptive Local Similarity Measure for Registration in Neurosurgery. Lecture Notes in Computer Science, 2016, , 81-88.	1.3	0