John S Duncan

List of Publications by Year
in descending order

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Version: 2024-02-01

360	23,408	6254	12272
papers	citations	80 h-index	133 g-index

373	373	373	18016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Disorganization of language and working memory systems in frontal versus temporal lobe epilepsy. Brain, 2023, 146, 935-953.	7.6	22
2	The <scp>ENIGMAâ€Epilepsy</scp> working group: Mapping disease from large data sets. Human Brain Mapping, 2022, 43, 113-128.	3.6	47
3	Normative brain mapping of interictal intracranial EEG to localize epileptogenic tissue. Brain, 2022, 145, 939-949.	7.6	28
4	Optimal Surgical Extent for Memory and Seizure Outcome in Temporal Lobe Epilepsy. Annals of Neurology, 2022, 91, 131-144.	5.3	13
5	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	7.6	18
6	Advanced neuroimaging techniques in epilepsy. Current Opinion in Neurology, 2022, 35, 189-195.	3.6	11
7	Intraoperative overlay of optic radiation tractography during anteromesial temporal resection: a prospective validation study. Journal of Neurosurgery, 2022, 136, 543-552.	1.6	4
8	Utility of 18Fâ€fluorodeoxyglucose positron emission tomography in presurgical evaluation of patients with epilepsy: A multicenter study. Epilepsia, 2022, 63, 1238-1252.	5.1	18
9	Structure and function of language networks in temporal lobe epilepsy. Epilepsia, 2022, , .	5.1	11
10	Cost of pre-surgical evaluation for epilepsy surgery: A single-center experience. Epilepsy Research, 2022, 182, 106910.	1.6	1
11	Epilepsy in the 21st century. Lancet Neurology, The, 2022, 21, 501-503.	10.2	3
12	Multidisciplinary team meetings: the epilepsy experience. Practical Neurology, 2022, 22, 376-380.	1.1	3
13	Probabilistic landscape of seizure semiology localizing values. Brain Communications, 2022, 4, .	3.3	7
14	Volumetric analysis of the piriform cortex in temporal lobe epilepsy. Epilepsy Research, 2022, 185, 106971.	1.6	5
15	Volumetric and structural connectivity abnormalities co-localise in TLE. NeuroImage: Clinical, 2022, 35, 103105.	2.7	5
16	Multiple mechanisms shape the relationship between pathway and duration of focal seizures. Brain Communications, 2022, 4, .	3.3	7
17	Episodic memory network connectivity in temporal lobe epilepsy. Epilepsia, 2022, 63, 2597-2622.	5.1	15
18	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

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19	Clinical evaluation of automated quantitative MRI reports for assessment of hippocampal sclerosis. European Radiology, 2021, 31, 34-44.	4.5	11
20	Independent components of human brain morphology. NeuroImage, 2021, 226, 117546.	4.2	12
21	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
22	Multivariate white matter alterations are associated with epilepsy duration. European Journal of Neuroscience, 2021, 53, 2788-2803.	2.6	18
23	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
24	Î'lpha 5 subunit-containing GABAA receptors in temporal lobe epilepsy with normal MRI. Brain Communications, 2021, 3, fcaa190.	3.3	5
25	Detection of covert lesions in focal epilepsy using computational analysis of multimodal magnetic resonance imaging data. Epilepsia, 2021, 62, 807-816.	5.1	9
26	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
27	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
28	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
29	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
30	Enhancing the estimation of fiber orientation distributions using convolutional neural networks. Computers in Biology and Medicine, 2021, 135, 104643.	7.0	10
31	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
32	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
33	Non-parametric combination of multimodal MRI for lesion detection in focal epilepsy. NeuroImage: Clinical, 2021, 32, 102837.	2.7	3
34	Mapping Epileptic Networks Using Simultaneous Intracranial EEG-fMRI. Frontiers in Neurology, 2021, 12, 693504.	2.4	5
35	Seizures after Ischemic Stroke: A Matched Multicenter Study. Annals of Neurology, 2021, 90, 808-820.	5.3	54
36	Reasons for not having epilepsy surgery. Epilepsia, 2021, 62, 2909-2919.	5.1	18

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37	Tractography dissection variability: What happens when 42 groups dissect 14 white matter bundles on the same dataset?. NeuroImage, 2021, 243, 118502.	4.2	94
38	Focal to bilateral tonicâ€“clonic seizures are associated with widespread network abnormality in temporal lobe epilepsy. Epilepsia, 2021, 62, 729-741.	5.1	42
39	Structural Brain Network Abnormalities and the Probability of Seizure Recurrence After Epilepsy Surgery. Neurology, 2021, 96, e758-e771.	1.1	49
40	Decoupling of functional and structural language networks in temporal lobe epilepsy. Epilepsia, 2021, 62, 2941-2954.	5.1	15
41	Seizure outcomes in people with drug-resistant focal epilepsy evaluated for surgery but do not proceed. Epilepsy Research, 2021, 178, 106822.	1.6	6
42	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
43	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
44	Hippocampal profiling: Localized magnetic resonance imaging volumetry and T2 relaxometry for hippocampal sclerosis. Epilepsia, 2020, 61, 297-309.	5.1	26
45	Acute and late neurological complications of COVID19: the quest for evidence. Brain, 2020, 143, e99-e99.	7.6	10
46	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. Science Advances, 2020, 6, .	10.3	97
47	Resective surgery prevents progressive cortical thinning in temporal lobe epilepsy. Brain, 2020, 143, 3262-3272.	7.6	27
48	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
49	Removal of Interictal MEG-Derived Network Hubs Is Associated With Postoperative Seizure Freedom. Frontiers in Neurology, 2020, 11, 563847.	2.4	20
50	Thalamus and focal to bilateral seizures. Neurology, 2020, 95, e2427-e2441.	1.1	54
51	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. Brain, 2020, 143, 2454-2473.	7.6	123
52	Automation Advances in Stereoelectroencephalography Planning. Neurosurgery Clinics of North America, 2020, 31, 407-419.	1.7	6
53	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
54	Hippocampal Shape Is Associated with Memory Deficits in Temporal Lobe Epilepsy. Annals of Neurology, 2020, 88, 170-182.	5.3	23

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55	Automated computation and analysis of accuracy metrics in stereoencephalography. Journal of Neuroscience Methods, 2020, 340, 108710.	2.5	3
56	Towards Uncertainty Quantification for Electrode Bending Prediction in Stereotactic Neurosurgery. , 2020, , .		2
57	Microstructural imaging in temporal lobe epilepsy: Diffusion imaging changes relate to reduced neurite density. NeuroImage: Clinical, 2020, 26, 102231.	2.7	30
58	Metabolic lesion-deficit mapping of human cognition. Brain, 2020, 143, 877-890.	7.6	13
59	Motor hyperactivation during cognitive tasks: An endophenotype of juvenile myoclonic epilepsy. Epilepsia, 2020, 61, 1438-1452.	5.1	17
60	Interictal intracranial electroencephalography for predicting surgical success: The importance of space and time. Epilepsia, 2020, 61, 1417-1426.	5.1	30
61	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
62	Prevalence of MRI abnormalities in people with epilepsy in rural China. Neurology, 2020, 95, e1236-e1243.	1.1	7
63	Validation of computational lesion detection methods in magnetic resonance imagingâ€“negative, focal epilepsy. Epilepsia, 2020, 61, 828-830.	5.1	2
64	Vagus nerve stimulation for epilepsy. Practical Neurology, 2020, 20, 186-186.	1.1	0
65	From theory to practice: Critical points in the 2017 ILAE classification of epileptic seizures and epilepsies. Epilepsia, 2020, 61, 350-353.	5.1	5
66	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
67	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
68	Computer-Assisted Versus Manual Planning for Stereotactic Brain Biopsy: A Retrospective Comparative Pilot Study. Operative Neurosurgery, 2020, 18, 417-422.	0.8	8
69	Increasing the accuracy of 3D EEG implantations. Journal of Neurosurgery, 2020, 133, 35-42.	1.6	11
70	The impact of brainâ€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
71	Multicenter validation of automated trajectories for selective laser amygdalohippocampectomy. Epilepsia, 2019, 60, 1949-1959.	5.1	15
72	Stereoelectroencephalography electrode placement: Detection of blood vessel conflicts. Epilepsia, 2019, 60, 1942-1948.	5.1	19

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73	Abnormal hippocampal structure and function in juvenile myoclonic epilepsy and unaffected siblings. Brain, 2019, 142, 2670-2687.	7.6	54
74	Progressive Cortical Thinning in Patients With Focal Epilepsy. JAMA Neurology, 2019, 76, 1230.	9.0	132
75	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
76	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
77	Computer-Assisted Planning for Stereoelectroencephalography (SEEG). Neurotherapeutics, 2019, 16, 1183-1197.	4.4	16
78	Brain imaging in epilepsy. Practical Neurology, 2019, 19, 438-443.	1.1	8
79	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
80	Imaging Biomarkers to Study Cognition in Epilepsy. , 2019, , 229-244.		0
81	Automated fiber tract reconstruction for surgery planning: Extensive validation in language-related white matter tracts. NeuroImage: Clinical, 2019, 23, 101883.	2.7	19
82	Neuroimaging and connectomics of drugâ€resistant epilepsy at multiple scales: From focal lesions to macroscale networks. Epilepsia, 2019, 60, 593-604.	5.1	82
83	Association of Piriform Cortex Resection With Surgical Outcomes in Patients With Temporal Lobe Epilepsy. JAMA Neurology, 2019, 76, 690.	9.0	69
84	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. Epilepsia, 2019, 60, 718-729.	5.1	54
85	Comment on â€œIn Vivo [¹⁸F]GE-179 Brain Signal Does Not Show NMDA-Specific Modulation with Drug Challenges in Rodents and Nonhuman Primatesâ€• ACS Chemical Neuroscience, 2019, 10, 768-772.	3.5	11
86	Optimizing Trajectories for Cranial Laser Interstitial Thermal Therapy Using Computer-Assisted Planning: A Machine Learning Approach. Neurotherapeutics, 2019, 16, 182-191.	4.4	27
87	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
88	Improving patient safety during introduction of novel medical devices through cumulative summation analysis. Journal of Neurosurgery, 2018, 130, 213-219.	1.6	11
89	The SeLECT score is useful to predict post-stroke epilepsy. Lancet Neurology, The, 2018, 17, 395-396.	10.2	7
90	The impact of epilepsy surgery on the structural connectome and its relation to outcome. NeuroImage: Clinical, 2018, 18, 202-214.	2.7	109

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91	Getting the best outcomes from epilepsy surgery. Annals of Neurology, 2018, 83, 676-690.	5.3	166
92	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
93	Structural and effective connectivity in focal epilepsy. NeuroImage: Clinical, 2018, 17, 943-952.	2.7	41
94	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
95	Automated trajectory planning for laser interstitial thermal therapy in mesial temporal lobe epilepsy. Epilepsia, 2018, 59, 814-824.	5.1	52
96	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
97	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
98	Simplifying [18F]GE-179 PET: are both arterial blood sampling and 90-min acquisitions essential?. EJNMMI Research, 2018, 8, 46.	2.5	4
99	A Machine Learning Approach to Predict Instrument Bending in Stereotactic Neurosurgery. Lecture Notes in Computer Science, 2018, , 238-246.	1.3	3
100	Neuroimaging in epilepsy. Current Opinion in Neurology, 2018, 31, 371-378.	3.6	77
101	Left temporal lobe language network connectivity in temporal lobe epilepsy. Brain, 2018, 141, 2406-2418.	7.6	75
102	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
103	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
104	Effects of carbamazepine and lamotrigine on functional magnetic resonance imaging cognitive networks. Epilepsia, 2018, 59, 1362-1371.	5.1	30
105	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
106	Effect of topiramate and zonisamide on fMRI cognitive networks. Neurology, 2017, 88, 1165-1171.	1.1	69
107	Somatic complications of epilepsy surgery over 25 years at a single center. Epilepsy Research, 2017, 132, 70-77.	1.6	25
108	Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. New England Journal of Medicine, 2017, 377, 1648-1656.	27.0	621

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109	Factors affecting seizure outcome after epilepsy surgery: an observational series. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 933-940.	1.9	50
110	Voxelâ€based magnetic resonance image postprocessing in epilepsy. Epilepsia, 2017, 58, 1653-1664.	5.1	36
111	Automated T2 relaxometry of the hippocampus for temporal lobe epilepsy. Epilepsia, 2017, 58, 1645-1652.	5.1	43
112	Retention of perampanel in adults with pharmacoresistant epilepsy at a single tertiary care center. Epilepsy and Behavior, 2017, 73, 106-110.	1.7	26
113	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
114	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
115	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
116	Mandarin functional <scp>MRI</scp> Language paradigms. Brain and Behavior, 2016, 6, e00525.	2.2	10
117	Mapping human preictal and ictal haemodynamic networks using simultaneous intracranial EEG-fMRI. NeuroImage: Clinical, 2016, 11, 486-493.	2.7	20
118	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
119	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
120	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
121	PET Reconstruction With an Anatomical MRI Prior Using Parallel Level Sets. IEEE Transactions on Medical Imaging, 2016, 35, 2189-2199.	8.9	82
122	Memory network plasticity after temporal lobe resection: a longitudinal functional imaging study. Brain, 2016, 139, 415-430.	7.6	62
123	Brain imaging in the assessment for epilepsy surgery. Lancet Neurology, The, 2016, 15, 420-433.	10.2	239
124	Meyer's loop asymmetry and language lateralisation in epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 836-842.	1.9	22
125	Efficient Anatomy Driven Automated Multiple Trajectory Planning for Intracranial Electrode Implantation. Lecture Notes in Computer Science, 2016, , 542-550.	1.3	2
126	Bilateral Weighted Adaptive Local Similarity Measure for Registration in Neurosurgery. Lecture Notes in Computer Science, 2016, , 81-88.	1.3	0

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127	Stimulating the brain for epilepsy. Neurology, 2015, 84, 768-769.	1.1	8
128	Promise and pitfalls of prognostic models for epilepsy surgery. Lancet Neurology, The, 2015, 14, 683-684.	10.2	3
129	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
130	Memory fMRI predicts verbal memory decline after anterior temporal lobe resection. Neurology, 2015, 84, 1512-1519.	1.1	88
131	Structural imaging biomarkers of sudden unexpected death in epilepsy. Brain, 2015, 138, 2907-2919.	7.6	95
132	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
133	Gelastic seizures: Incidence, clinical and <scp>EEG</scp> features in adult patients undergoing videoâ€<scp>EEG</scp> telemetry. Epilepsia, 2015, 56, e1-5.	5.1	38
134	A novel SLC2A1 mutation linking hemiplegic migraine with alternating hemiplegia of childhood. Cephalalgia, 2015, 35, 10-15.	3.9	28
135	Factors affecting reorganisation of memory encoding networks in temporal lobe epilepsy. Epilepsy Research, 2015, 110, 1-9.	1.6	40
136	Long-Term Seizure and Antiepileptic Drug Outcomes After Epilepsy Surgery in Adults. , 2015, , 19-41.		0
137	Advances in epilepsy surgery. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 1273-1279.	1.9	43
138	Global image registration using a symmetric block-matching approach. Journal of Medical Imaging, 2014, 1, 024003.	1.5	245
139	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
140	A symmetric block-matching framework for global registration. Proceedings of SPIE, 2014, , .	0.8	5
141	Motor co-activation in siblings of patients with juvenile myoclonic epilepsy: an imaging endophenotype?. Brain, 2014, 137, 2469-2479.	7.6	58
142	Concerns about bilateral radiosurgical treatment of a patient with bilateral temporal lobe epilepsy. Epilepsia, 2014, 55, 623-623.	5.1	3
143	Language dominance assessment in a bilingual population: Validity of fMRI in the second language. Epilepsia, 2014, 55, 1504-1511.	5.1	29
144	Lacosamide Serum Concentrations in Adult Patients With Epilepsy. Therapeutic Drug Monitoring, 2014, 36, 494-498.	2.0	42

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145	Working memory network plasticity after anterior temporal lobe resection: a longitudinal functional magnetic resonance imaging study. Brain, 2014, 137, 1439-1453.	7.6	33
146	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
147	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
148	Levetiracetam reduces abnormal network activations in temporal lobe epilepsy. Neurology, 2014, 83, 1508-1512.	1.1	66
149	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
150	The utility of 18F-fluorodeoxyglucose PET (FDG PET) in epilepsy surgery. Epilepsy Research, 2014, 108, 1306-1314.	1.6	94
151	Susceptibility artefact correction using dynamic graph cuts: Application to neurosurgery. Medical Image Analysis, 2014, 18, 1132-1142.	11.6	19
152	Attenuation Correction Synthesis for Hybrid PET-MR Scanners: Application to Brain Studies. IEEE Transactions on Medical Imaging, 2014, 33, 2332-2341.	8.9	311
153	Preventing visual field deficits from neurosurgery. Neurology, 2014, 83, 604-611.	1.1	67
154	Attenuation correction synthesis for hybrid PET-MR scanners: validation for brain study applications. EJNMMI Physics, 2014, 1, A52.	2.7	3
155	Progressive white matter changes following anterior temporal lobe resection for epilepsy. NeuroImage: Clinical, 2014, 4, 190-200.	2.7	37
156	Testâ€“retest reproducibility of cannabinoid-receptor type 1 availability quantified with the PET ligand [11C]MePPEP. NeuroImage, 2014, 97, 151-162.	4.2	17
157	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
158	Advanced diffusion imaging sequences could aid assessing patients with focal cortical dysplasia and epilepsy. Epilepsy Research, 2014, 108, 336-339.	1.6	129
159	Effect of scatter correction when comparing attenuation maps: Application to brain PET/MR. , 2014, , .		10
160	Simulated Field Maps: Toward Improved Susceptibility Artefact Correction in Interventional MRI. Lecture Notes in Computer Science, 2014, , 226-235.	1.3	1
161	SEEG Trajectory Planning: Combining Stability, Structure and Scale in Vessel Extraction. Lecture Notes in Computer Science, 2014, 17, 651-658.	1.3	7
162	Mapping hemodynamic correlates of seizures using fMRI: A review. Human Brain Mapping, 2013, 34, 447-466.	3.6	42

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163	Imaging the interaction: Epileptic discharges, working memory, and behavior. Human Brain Mapping, 2013, 34, 2910-2917.	3.6	17
164	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
165	Riskâ€taking behavior in juvenile myoclonic epilepsy. Epilepsia, 2013, 54, 2158-2165.	5.1	57
166	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
167	The effect of topiramate on cognitive fMRI. Epilepsy Research, 2013, 105, 250-255.	1.6	57
168	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
169	Feasibility of multimodal 3D neuroimaging to guide implantation of intracranial EEG electrodes. Epilepsy Research, 2013, 107, 91-100.	1.6	33
170	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
171	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
172	De novo psychogenic nonepileptic attacks after adult epilepsy surgery: An underestimated entity. Epilepsia, 2013, 54, e159-62.	5.1	18
173	<scp>MRI</scp> in the diagnosis and management of epileptomas. Epilepsia, 2013, 54, 40-43.	5.1	14
174	Memory reorganization following anterior temporal lobe resection: a longitudinal functional MRI study. Brain, 2013, 136, 1889-1900.	7.6	83
175	A functional magnetic resonance imaging study mapping the episodic memory encoding network in temporal lobe epilepsy. Brain, 2013, 136, 1868-1888.	7.6	124
176	Structural correlates of impaired working memory in hippocampal sclerosis. Epilepsia, 2013, 54, 1143-1153.	5.1	50
177	Sinus node dysfunction: An adverse effect of lacosamide. Epilepsia, 2013, 54, e90-3.	5.1	42
178	Automated hippocampal segmentation in patients with epilepsy: Available free online. Epilepsia, 2013, 54, 2166-2173.	5.1	59
179	Susceptibility artefact correction by combining B0 field maps and non-rigid registration using graph cuts. , 2013, , .		2
180	Attenuation Correction Synthesis for Hybrid PET-MR Scanners. Lecture Notes in Computer Science, 2013, 16, 147-154.	1.3	31

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181	Abnormal thalamocortical structural and functional connectivity in juvenile myoclonic epilepsy. Brain, 2012, 135, 3635-3644.	7.6	159
182	Mapping preictal and ictal haemodynamic networks using video-electroencephalography and functional imaging. Brain, 2012, 135, 3645-3663.	7.6	61
183	Memory in frontal lobe epilepsy: An fMRI study. Epilepsia, 2012, 53, 1756-1764.	5.1	24
184	Neuropsychological function in patients who have had epilepsy surgery: A long-term follow-up. Epilepsy and Behavior, 2012, 23, 24-29.	1.7	33
185	Neck atonia with a focal stimulationâ€induced seizure arising from the SMA: Pathophysiological considerations. Epilepsy and Behavior, 2012, 24, 503-506.	1.7	5
186	Automated MR image classification in temporal lobe epilepsy. NeuroImage, 2012, 59, 356-362.	4.2	80
187	Optic radiation tractography and vision in anterior temporal lobe resection. Annals of Neurology, 2012, 71, 334-341.	5.3	85
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