

Mark P Richardson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

8,635
citations

53
h-index

86
g-index

235
ext. papers

10,651
ext. citations

6.1
avg, IF

6.16
L-index

#	Paper	IF	Citations
208	Distant influences of amygdala lesion on visual cortical activation during emotional face processing. <i>Nature Neuroscience</i> , 2004 , 7, 1271-8	25.5	747
207	Encoding of emotional memories depends on amygdala and hippocampus and their interactions. <i>Nature Neuroscience</i> , 2004 , 7, 278-85	25.5	411
206	Large scale brain models of epilepsy: dynamics meets connectomics. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012 , 83, 1238-48	5.5	197
205	Identical, but not the same: intra-site and inter-site reproducibility of fractional anisotropy measures on two 3.0T scanners. <i>NeuroImage</i> , 2010 , 51, 1384-94	7.9	189
204	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. <i>Brain</i> , 2018 , 141, 391-408	11.2	187
203	Motor system hyperconnectivity in juvenile myoclonic epilepsy: a cognitive functional magnetic resonance imaging study. <i>Brain</i> , 2011 , 134, 1710-9	11.2	159
202	Seizure prediction - ready for a new era. <i>Nature Reviews Neurology</i> , 2018 , 14, 618-630	15	157
201	Pre-operative verbal memory fMRI predicts post-operative memory decline after left temporal lobe resection. <i>Brain</i> , 2004 , 127, 2419-26	11.2	155
200	Extramotor involvement in ALS: PET studies with the GABA(A) ligand [(11)C]flumazenil. <i>Brain</i> , 2000 , 123 (Pt 11), 2289-96	11.2	149
199	Focal structural changes and cognitive dysfunction in juvenile myoclonic epilepsy. <i>Neurology</i> , 2011 , 76, 34-40	6.5	129
198	Reorganization of verbal and nonverbal memory in temporal lobe epilepsy due to unilateral hippocampal sclerosis. <i>Epilepsia</i> , 2007 , 48, 1512-25	6.4	126
197	Benzodiazepine receptors in focal epilepsy with cortical dysgenesis: an 11C-flumazenil PET study. <i>Annals of Neurology</i> , 1996 , 40, 188-98	9.4	121
196	Abnormal thalamocortical structural and functional connectivity in juvenile myoclonic epilepsy. <i>Brain</i> , 2012 , 135, 3635-44	11.2	111
195	Altered microstructural connectivity in juvenile myoclonic epilepsy: the missing link. <i>Neurology</i> , 2012 , 78, 1555-9	6.5	110
194	Cerebral benzodiazepine receptors in hippocampal sclerosis. An objective in vivo analysis. <i>Brain</i> , 1996 , 119 (Pt 5), 1677-87	11.2	107
193	Preoperative fMRI predicts memory decline following anterior temporal lobe resection. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008 , 79, 686-93	5.5	106
192	Memory fMRI in left hippocampal sclerosis: optimizing the approach to predicting postsurgical memory. <i>Neurology</i> , 2006 , 66, 699-705	6.5	105

191	Material-specific lateralization of memory encoding in the medial temporal lobe: blocked versus event-related design. <i>NeuroImage</i> , 2005 , 27, 231-9	7.9	104
190	Amygdala damage affects event-related potentials for fearful faces at specific time windows. <i>Human Brain Mapping</i> , 2010 , 31, 1089-105	5.9	101
189	Seizure generation: the role of nodes and networks. <i>Epilepsia</i> , 2012 , 53, e166-9	6.4	97
188	Preserved verbal memory function in left medial temporal pathology involves reorganisation of function to right medial temporal lobe. <i>NeuroImage</i> , 2003 , 20 Suppl 1, S112-9	7.9	97
187	Focal cortical release of endogenous opioids during reading-induced seizures. <i>Lancet, The</i> , 1998 , 352, 952-5	4.0	93
186	Estimation of brain network ictogenicity predicts outcome from epilepsy surgery. <i>Scientific Reports</i> , 2016 , 6, 29215	4.9	93
185	Cognitive behavioural therapy for adults with dissociative seizures (CODES): a pragmatic, multicentre, randomised controlled trial. <i>Lancet Psychiatry, the</i> , 2020 , 7, 491-505	23.3	92
184	¹¹ C-flumazenil PET, volumetric MRI, and quantitative pathology in mesial temporal lobe epilepsy. <i>Neurology</i> , 1997 , 49, 764-73	6.5	90
183	Onset of polyspike complexes in a mean-field model of human electroencephalography and its application to absence epilepsy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 1145-61	3	87
182	Converging PET and fMRI evidence for a common area involved in human focal epilepsies. <i>Neurology</i> , 2011 , 77, 904-10	6.5	85
181	Cortical grey matter and benzodiazepine receptors in malformations of cortical development. A voxel-based comparison of structural and functional imaging data. <i>Brain</i> , 1997 , 120 (Pt 11), 1961-73	11.2	81
180	Wearable technology in epilepsy: The views of patients, caregivers, and healthcare professionals. <i>Epilepsy and Behavior</i> , 2018 , 85, 141-149	3.2	78
179	Abnormalities of grey and white matter [¹¹ C]flumazenil binding in temporal lobe epilepsy with normal MRI. <i>Brain</i> , 2002 , 125, 2257-71	11.2	77
178	A phenomenological model of seizure initiation suggests network structure may explain seizure frequency in idiopathic generalised epilepsy. <i>Journal of Mathematical Neuroscience</i> , 2012 , 2, 1	2.4	76
177	Imaging seizure activity: a combined EEG/EMG-fMRI study in reading epilepsy. <i>Epilepsia</i> , 2009 , 50, 256-64	6.4	76
176	Late EEG responses triggered by transcranial magnetic stimulation (TMS) in the evaluation of focal epilepsy. <i>Epilepsia</i> , 2008 , 49, 470-80	6.4	76
175	Thalamotemporal alteration and postoperative seizures in temporal lobe epilepsy. <i>Annals of Neurology</i> , 2015 , 77, 760-74	9.4	75
174	Central benzodiazepine/gamma-aminobutyric acid A receptors in idiopathic generalized epilepsy: an [¹¹ C]flumazenil positron emission tomography study. <i>Epilepsia</i> , 1997 , 38, 1089-97	6.4	75

173	Trends in antiepileptic drug utilisation in UK primary care 1993-2008: cohort study using the General Practice Research Database. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012 , 21, 466-70	3.2	74
172	Implementation and application of a brain template for multiple volumes of interest. <i>Human Brain Mapping</i> , 2002 , 15, 165-74	5.9	73
171	Epilepsy mortality and risk factors for death in epilepsy: a population-based study. <i>British Journal of General Practice</i> , 2011 , 61, e271-8	1.6	71
170	¹¹ C-flumazenil PET in neocortical epilepsy. <i>Neurology</i> , 1998 , 51, 485-92	6.5	71
169	Grey and white matter flumazenil binding in neocortical epilepsy with normal MRI. A PET study of 44 patients. <i>Brain</i> , 2003 , 126, 1300-18	11.2	70
168	Regional hippocampal [¹¹ C]flumazenil PET in temporal lobe epilepsy with unilateral and bilateral hippocampal sclerosis. <i>Brain</i> , 1997 , 120 (Pt 10), 1865-76	11.2	68
167	Preoperative automated fibre quantification predicts postoperative seizure outcome in temporal lobe epilepsy. <i>Brain</i> , 2017 , 140, 68-82	11.2	67
166	Connectivity of the supplementary motor area in juvenile myoclonic epilepsy and frontal lobe epilepsy. <i>Epilepsia</i> , 2011 , 52, 507-14	6.4	67
165	Revealing a brain network endophenotype in families with idiopathic generalised epilepsy. <i>PLoS ONE</i> , 2014 , 9, e110136	3.7	67
164	COgnitive behavioural therapy vs standardised medical care for adults with Dissociative non-Epileptic Seizures (CODES): a multicentre randomised controlled trial protocol. <i>BMC Neurology</i> , 2015 , 15, 98	3.1	65
163	Reproducibility of thalamic segmentation based on probabilistic tractography. <i>NeuroImage</i> , 2010 , 52, 69-85	7.9	62
162	Derivation and analysis of an ordinary differential equation mean-field model for studying clinically recorded epilepsy dynamics. <i>Physical Review E</i> , 2009 , 79, 021911	2.4	61
161	Subthreshold rTMS over pre-motor cortex has no effect on tics in patients with Gilles de la Tourette syndrome. <i>Clinical Neurophysiology</i> , 2005 , 116, 764-8	4.3	61
160	In vivo neuronal firing patterns during human epileptiform discharges replicated by electrical stimulation. <i>Clinical Neurophysiology</i> , 2012 , 123, 1736-44	4.3	59
159	The variants of reading epilepsy. A clinical and video-EEG study of 17 patients with reading-induced seizures. <i>Brain</i> , 1998 , 121 (Pt 8), 1409-27	11.2	58
158	Invited Review: The spectrum of neuropathology in COVID-19. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 3-16	5.2	56
157	Characterising the dynamics of EEG waveforms as the path through parameter space of a neural mass model: application to epilepsy seizure evolution. <i>NeuroImage</i> , 2012 , 59, 2374-92	7.9	55
156	In vivo [¹¹ C]flumazenil-PET correlates with ex vivo [³ H]flumazenil autoradiography in hippocampal sclerosis. <i>Annals of Neurology</i> , 1998 , 43, 618-26	9.4	55

155	Dynamics on networks: the role of local dynamics and global networks on the emergence of hypersynchronous neural activity. <i>PLoS Computational Biology</i> , 2014 , 10, e1003947	5	53
154	Clustering probabilistic tractograms using independent component analysis applied to the thalamus. <i>NeuroImage</i> , 2011 , 54, 2020-32	7.9	52
153	Transitions to spike-wave oscillations and epileptic dynamics in a human cortico-thalamic mean-field model. <i>Journal of Computational Neuroscience</i> , 2009 , 27, 507-26	1.4	50
152	Cerebral activation in malformations of cortical development. <i>Brain</i> , 1998 , 121 (Pt 7), 1295-304	11.2	50
151	Characteristics associated with quality of life among people with drug-resistant epilepsy. <i>Journal of Neurology</i> , 2017 , 264, 1174-1184	5.5	49
150	Thalamotemporal impairment in temporal lobe epilepsy: a combined MRI analysis of structure, integrity, and connectivity. <i>Epilepsia</i> , 2014 , 55, 306-15	6.4	49
149	Epilepsy and the frontal lobes. <i>Cortex</i> , 2012 , 48, 144-55	3.8	49
148	The application of functional MRI of memory in temporal lobe epilepsy: a clinical review. <i>Epilepsia</i> , 2004 , 45, 855-63	6.4	49
147	An optimal strategy for epilepsy surgery: Disruption of the rich-club?. <i>PLoS Computational Biology</i> , 2017 , 13, e1005637	5	47
146	Impaired cognitive function in idiopathic generalized epilepsy and unaffected family members: an epilepsy endophenotype. <i>Epilepsia</i> , 2014 , 55, 835-40	6.4	47
145	A critical role for network structure in seizure onset: a computational modeling approach. <i>Frontiers in Neurology</i> , 2014 , 5, 261	4.1	47
144	Clinical experience with oral lacosamide as adjunctive therapy in adult patients with uncontrolled epilepsy: a multicentre study in epilepsy clinics in the United Kingdom (UK). <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012 , 21, 512-7	3.2	47
143	fMRI in patients implanted with a vagal nerve stimulator. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2002 , 11, 157-62	3.2	47
142	Fracture risk with use of liver enzyme inducing antiepileptic drugs in people with active epilepsy: cohort study using the general practice research database. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2013 , 22, 37-42	3.2	46
141	Current themes in neuroimaging of epilepsy: brain networks, dynamic phenomena, and clinical relevance. <i>Clinical Neurophysiology</i> , 2010 , 121, 1153-75	4.3	46
140	Morphometric MRI alterations and postoperative seizure control in refractory temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2015 , 36, 1637-47	5.9	45
139	Risk-taking behavior in juvenile myoclonic epilepsy. <i>Epilepsia</i> , 2013 , 54, 2158-65	6.4	45
138	Cortical excitability predicts seizures in acutely drug-reduced temporal lobe epilepsy patients. <i>Neurology</i> , 2006 , 67, 1646-51	6.5	43

137	Central benzodiazepine receptors in malformations of cortical development: A quantitative study. <i>Brain</i> , 2001 , 124, 1555-65	11.2	42
136	White Matter Connectivity of the Thalamus Delineates the Functional Architecture of Competing Thalamocortical Systems. <i>Cerebral Cortex</i> , 2015 , 25, 4477-89	5.1	41
135	Segmentation of the thalamus in MRI based on T1 and T2. <i>NeuroImage</i> , 2011 , 56, 939-50	7.9	41
134	Cross-frequency coupling within and between the human thalamus and neocortex. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 84	3.3	40
133	Seizure detection using EEG and ECG signals for computer-based monitoring, analysis and management of epileptic patients. <i>Expert Systems With Applications</i> , 2015 , 42, 3227-3233	7.8	39
132	Increased availability of central benzodiazepine receptors in patients with chronic hepatic encephalopathy and alcohol related cirrhosis. <i>Gut</i> , 2000 , 46, 546-52	19.2	39
131	Investigation of glutamine and GABA levels in patients with idiopathic generalized epilepsy using MEGAPRESS. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 41, 694-9	5.6	38
130	The dynamic evolution of focal-onset epilepsies--combining theoretical and clinical observations. <i>European Journal of Neuroscience</i> , 2012 , 36, 2188-200	3.5	37
129	Forecasting cycles of seizure likelihood. <i>Epilepsia</i> , 2020 , 61, 776-786	6.4	36
128	A new era in electroencephalographic monitoring? Subscalp devices for ultra-long-term recordings. <i>Epilepsia</i> , 2020 , 61, 1805-1817	6.4	36
127	Functional Connectome before and following Temporal Lobectomy in Mesial Temporal Lobe Epilepsy. <i>Scientific Reports</i> , 2016 , 6, 23153	4.9	35
126	Development, evaluation and implementation of video-EEG telemetry at home. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014 , 23, 338-43	3.2	34
125	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020 , 143, 2454-2473	11.2	32
124	Improving classification of epileptic and non-epileptic EEG events by feature selection. <i>Neurocomputing</i> , 2016 , 171, 576-585	5.4	31
123	Pre-ictal heart rate changes: A systematic review and meta-analysis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018 , 55, 48-56	3.2	31
122	Centromedian thalamic nuclei deep brain stimulation in refractory status epilepticus. <i>Brain Stimulation</i> , 2012 , 5, 594-8	5.1	31
121	Benzodiazepine-GABA(A) receptor binding is very low in dysembryoplastic neuroepithelial tumor: a PET study. <i>Epilepsia</i> , 2001 , 42, 1327-34	6.4	31
120	A computational biomarker of idiopathic generalized epilepsy from resting state EEG. <i>Epilepsia</i> , 2016 , 57, e200-e204	6.4	30

119	Single-cell recordings in the human medial temporal lobe. <i>Journal of Anatomy</i> , 2015 , 227, 394-408	2.9	30
118	Structural changes in the temporal lobe and piriform cortex in frontal lobe epilepsy. <i>Epilepsy Research</i> , 2014 , 108, 978-81	3	29
117	Characteristics of 698 patients with dissociative seizures: A UK multicenter study. <i>Epilepsia</i> , 2019 , 60, 2182-2193	6.4	28
116	Self-Management education for adults with poorly controlled epILEpsy (SMILE (UK)): a randomised controlled trial protocol. <i>BMC Neurology</i> , 2014 , 14, 69	3.1	28
115	Thalamic volume reduction in drug-naive patients with new-onset genetic generalized epilepsy. <i>Epilepsia</i> , 2018 , 59, 226-234	6.4	28
114	Dynamic brain network states in human generalized spike-wave discharges. <i>Brain</i> , 2018 , 141, 2981-2994	11.2	28
113	Seizure detection at home: Do devices on the market match the needs of people living with epilepsy and their caregivers?. <i>Epilepsia</i> , 2020 , 61 Suppl 1, S11-S24	6.4	26
112	Lamotrigine and levetiracetam exert a similar modulation of TMS-evoked EEG potentials. <i>Epilepsia</i> , 2017 , 58, 42-50	6.4	26
111	Sjögren's syndrome-associated myelopathy: response to immunosuppressive treatment. <i>American Journal of Medicine</i> , 2003 , 114, 145-8	2.4	26
110	Encoding of long-term associations through neural unitization in the human medial temporal lobe. <i>Nature Communications</i> , 2018 , 9, 4372	17.4	24
109	Long-term changes of GABAergic function in the sensorimotor cortex of amputees. A combined magnetic stimulation and ¹¹ C-flumazenil PET study. <i>Experimental Brain Research</i> , 2000 , 133, 552-6	2.3	22
108	Slower alpha rhythm associates with poorer seizure control in epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 333-343	5.3	21
107	Patients' experience of wearing multimodal sensor devices intended to detect epileptic seizures: A qualitative analysis. <i>Epilepsy and Behavior</i> , 2020 , 102, 106717	3.2	21
106	Cortical excitability correlates with seizure control and epilepsy duration in chronic epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2017 , 4, 87-97	5.3	20
105	Elevated Ictal Brain Network Ictogenicity Enables Prediction of Optimal Seizure Control. <i>Frontiers in Neurology</i> , 2018 , 9, 98	4.1	20
104	Automated tractography in patients with temporal lobe epilepsy using TRActs Constrained by UnderLying Anatomy (TRACULA). <i>NeuroImage: Clinical</i> , 2017 , 14, 67-76	5.3	19
103	Active dendritic cell immunotherapy for glioblastoma: Current status and challenges. <i>British Journal of Neurosurgery</i> , 2015 , 29, 197-205	1	19
102	Distinct temporal patterns of electrical stimulation influence neural recruitment during PTZ infusion: an fMRI study. <i>Progress in Biophysics and Molecular Biology</i> , 2011 , 105, 109-18	4.7	19

101	Bringing memory fMRI to the clinic: comparison of seven memory fMRI protocols in temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2015 , 36, 1595-608	5.9	18
100	Signal quality and patient experience with wearable devices for epilepsy management. <i>Epilepsia</i> , 2020 , 61 Suppl 1, S25-S35	6.4	18
99	BOLD correlates of EMG spectral density in cortical myoclonus: description of method and case report. <i>NeuroImage</i> , 2006 , 32, 558-65	7.9	18
98	Measurement of amygdala T2 relaxation time in temporal lobe epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2002 , 73, 753-5	5.5	18
97	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. <i>Science Advances</i> , 2020 , 6,	14.3	18
96	Memory in frontal lobe epilepsy: an fMRI study. <i>Epilepsia</i> , 2012 , 53, 1756-64	6.4	17
95	Self-Management education for adults with poorly controlled epilepsy [SMILE (UK)]: a randomised controlled trial. <i>Health Technology Assessment</i> , 2018 , 22, 1-142	4.4	17
94	The Effect of Lamotrigine and Levetiracetam on TMS-Evoked EEG Responses Depends on Stimulation Intensity. <i>Frontiers in Neuroscience</i> , 2017 , 11, 585	5.1	16
93	Computational modelling in source space from scalp EEG to inform presurgical evaluation of epilepsy. <i>Clinical Neurophysiology</i> , 2020 , 131, 225-234	4.3	16
92	230 days of ultra long-term subcutaneous EEG: seizure cycle analysis and comparison to patient diary. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 288-293	5.3	15
91	Imaging epilepsy in larval zebrafish. <i>European Journal of Paediatric Neurology</i> , 2020 , 24, 70-80	3.8	14
90	The effectiveness of a group self-management education course for adults with poorly controlled epilepsy, SMILE (UK): A randomized controlled trial. <i>Epilepsia</i> , 2018 , 59, 1048-1061	6.4	14
89	Self-management education for adults with poorly controlled epilepsy (SMILE (UK)): statistical, economic and qualitative analysis plan for a randomised controlled trial. <i>Trials</i> , 2015 , 16, 269	2.8	14
88	New observations may inform seizure models: very fast and very slow oscillations. <i>Progress in Biophysics and Molecular Biology</i> , 2011 , 105, 5-13	4.7	14
87	Epilepsy and surgical mapping. <i>British Medical Bulletin</i> , 2003 , 65, 179-92	5.4	14
86	Long-interval intracortical inhibition as biomarker for epilepsy: a transcranial magnetic stimulation study. <i>Brain</i> , 2018 , 141, 409-421	11.2	13
85	Benzodiazepine receptors and positron emission tomography: ten years of experience. A new beginning?. <i>Journal of Psychopharmacology</i> , 1995 , 9, 355-68	4.6	13
84	Multi-domain clinical natural language processing with MedCAT: The Medical Concept Annotation Toolkit. <i>Artificial Intelligence in Medicine</i> , 2021 , 117, 102083	7.4	13

83	Hippocampal subfield segmentation in temporal lobe epilepsy: Relation to outcomes. <i>Acta Neurologica Scandinavica</i> , 2018 , 137, 598-608	3.8	12
82	COgnitive behavioural therapy versus standardised medical care for adults with Dissociative non-Epileptic Seizures (CODES): statistical and economic analysis plan for a randomised controlled trial. <i>Trials</i> , 2017 , 18, 258	2.8	12
81	EEG frequency during spike-wave discharges may predict treatment outcome in patients with idiopathic generalized epilepsies. <i>Epilepsia</i> , 2011 , 52, e45-8	6.4	12
80	Apparent obstruction of the superior vena cava and a continuous murmur: signs of a fistula between a vein graft aneurysm and the right atrium. <i>Heart</i> , 1992 , 68, 412-3	5.1	12
79	Ictal hypoxemia: A systematic review and meta-analysis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018 , 63, 7-13	3.2	12
78	Decreased functional connectivity within a language subnetwork in benign epilepsy with centrotemporal spikes. <i>Epilepsia Open</i> , 2017 , 2, 214-225	4	11
77	Computer models to inform epilepsy surgery strategies: prediction of postoperative outcome. <i>Brain</i> , 2017 , 140, e30	11.2	11
76	Hiding in Plain Sight: Functional Neurological Disorders in the News. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2019 , 31, 361-367	2.7	11
75	Motor evoked potential polyphasia: a novel endophenotype of idiopathic generalized epilepsy. <i>Neurology</i> , 2015 , 84, 1301-7	6.5	11
74	Psychological and demographic characteristics of 368 patients with dissociative seizures: data from the CODES cohort. <i>Psychological Medicine</i> , 2021 , 51, 2433-2445	6.9	11
73	Update on neuroimaging in epilepsy. <i>Expert Review of Neurotherapeutics</i> , 2010 , 10, 961-73	4.3	11
72	Survival after aortic dissection in giant cell arteritis. <i>Annals of the Rheumatic Diseases</i> , 1996 , 55, 332-3	2.4	11
71	Dynamic network properties of the interictal brain determine whether seizures appear focal or generalised. <i>Scientific Reports</i> , 2020 , 10, 7043	4.9	10
70	Quantification and Selection of Ictogenic Zones in Epilepsy Surgery. <i>Frontiers in Neurology</i> , 2019 , 10, 1045	4.1	10
69	A method for detecting false bifurcations in dynamical systems: application to neural-field models. <i>Biological Cybernetics</i> , 2010 , 102, 145-54	2.8	10
68	Revealing epilepsy type using a computational analysis of interictal EEG. <i>Scientific Reports</i> , 2019 , 9, 10162	2.9	9
67	Trait impulsivity in Juvenile Myoclonic Epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 138-152	5.3	9
66	Perampanel for the treatment of epilepsy; Longitudinal actuarial analysis and dose responses based on monthly outcomes. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019 , 69, 125-132	3.2	8

65	Hippocampal internal architecture and postoperative seizure outcome in temporal lobe epilepsy due to hippocampal sclerosis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016 , 35, 65-71	3.2	8
64	Past, Present and Future of Home video-electroencephalographic telemetry: A review of the development of in-home video-electroencephalographic recordings. <i>Epilepsia</i> , 2020 , 61 Suppl 1, S3-S10	6.4	8
63	Abnormal temporal lobe morphology in asymptomatic relatives of patients with hippocampal sclerosis: A replication study. <i>Epilepsia</i> , 2019 , 60, e1-e5	6.4	8
62	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. <i>NeuroImage: Clinical</i> , 2021 , 31, 102765	5.3	8
61	Cycles of self-reported seizure likelihood correspond to yield of diagnostic epilepsy monitoring. <i>Epilepsia</i> , 2021 , 62, 416-425	6.4	8
60	TMS as a pharmacodynamic indicator of cortical activity of a novel anti-epileptic drug, XEN1101. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 2164-2174	5.3	7
59	TMS studies of preictal cortical excitability change. <i>Epilepsy Research</i> , 2011 , 97, 273-7	3	7
58	Visual field defects. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2002 , 11, 139-40	3.2	7
57	Background EEG Connectivity Captures the Time-Course of Epileptogenesis in a Mouse Model of Epilepsy. <i>ENeuro</i> , 2019 , 6,	3.9	7
56	Day and night comfort and stability on the body of four wearable devices for seizure detection: A direct user-experience. <i>Epilepsy and Behavior</i> , 2020 , 112, 107478	3.2	7
55	Forecasting Seizure Likelihood With Wearable Technology. <i>Frontiers in Neurology</i> , 2021 , 12, 704060	4.1	7
54	Post-ictal accelerometer silence as a marker of post-ictal immobility. <i>Epilepsia</i> , 2020 , 61, 1397-1405	6.4	6
53	Postictal generalized EEG suppression and postictal immobility: what do we know?. <i>Epileptic Disorders</i> , 2020 , 22, 245-251	1.9	6
52	Heritability of alpha and sensorimotor network changes in temporal lobe epilepsy. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 667-676	5.3	6
51	Characterisation of cortical activity in response to deep brain stimulation of ventral-lateral nucleus: modelling and experiment. <i>Journal of Neuroscience Methods</i> , 2009 , 183, 77-85	3	6
50	Multiday cycles of heart rate are associated with seizure likelihood		6
49	A systems-level analysis highlights microglial activation as a modifying factor in common forms of human epilepsy		6
48	Non-invasive wearable seizure detection using long-short-term memory networks with transfer learning. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	6

47	Sensorimotor network hypersynchrony as an endophenotype in families with genetic generalized epilepsy: A resting-state functional magnetic resonance imaging study. <i>Epilepsia</i> , 2019 , 60, e14-e19	6.4	5
46	Focal reading epilepsy--a rare variant of reading epilepsy: a case report. <i>Epilepsia</i> , 2010 , 51, 2352-5	6.4	5
45	Patients self-mastery of wearable devices for seizure detection: A direct user-experience. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020 , 81, 236-240	3.2	5
44	Seizure Diaries and Forecasting With Wearables: Epilepsy Monitoring Outside the Clinic. <i>Frontiers in Neurology</i> , 2021 , 12, 690404	4.1	5
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