Richard Rosch

List of Publications by Year
in descending order

36 papers	982 citations	471509 17 h-index	501196 28 g-index
49 all docs	49 docs citations	49 times ranked	1451 citing authors

#	Article	IF	Citations
1	Deep temporal models and active inference. Neuroscience and Biobehavioral Reviews, 2017, 77, 388-402.	6.1	159
2	Infectious causes of microcephaly: epidemiology, pathogenesis, diagnosis, and management. Lancet Infectious Diseases, The, 2018, 18, e1-e13.	9.1	92
3	Calcium imaging and dynamic causal modelling reveal brain-wide changes in effective connectivity and synaptic dynamics during epileptic seizures. PLoS Computational Biology, 2018, 14, e1006375.	3.2	57
4	Incorporating epilepsy genetics into clinical practice: a 360Â°evaluation. Npj Genomic Medicine, 2018, 3, 13.	3.8	46
5	Lateralised visual attention is unrelated to language lateralisation, and not influenced by task difficulty â€“ A functional transcranial Doppler study. Neuropsychologia, 2012, 50, 810-815.	1.6	45
6	NMDA-receptor antibodies alter cortical microcircuit dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9916-E9925.	7.1	39
7	Imaging epilepsy in larval zebrafish. European Journal of Paediatric Neurology, 2020, 24, 70-80.	1.6	32
8	Analysis of rare copy number variation in absence epilepsies. Neurology: Genetics, 2016, 2, e56.	1.9	31
9	Selective Prefrontal Disinhibition in a Roving Auditory Oddball Paradigm Under N-Methyl-D-Aspartate Receptor Blockade. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 140-150.	1.5	31
10	Why wonâ€™t it stop? The dynamics of benzodiazepine resistance in status epilepticus. Nature Reviews Neurology, 2022, 18, 428-441.	10.1	31
11	Targeted knockout of GABA receptor gamma 2 subunit provokes transient light-induced reflex seizures in zebrafish larvae. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	29
12	Multimodal in vivo recording using transparent graphene microelectrodes illuminates spatiotemporal seizure dynamics at the microscale. Communications Biology, 2021, 4, 136.	4.4	28
13	Temperature-dependent changes in neuronal dynamics in a patient with an SCN1A mutation and hyperthermia induced seizures. Scientific Reports, 2016, 6, 31879.	3.3	27
14	Dynamic causal modelling of seizure activity in a rat model. NeuroImage, 2017, 146, 518-532.	4.2	27
15	Network dynamics in the healthy and epileptic developing brain. Network Neuroscience, 2018, 2, 41-59.	2.6	22
16	Dynamic Causal Modeling of the Relationship between Cognition and Thetaâ€“alpha Oscillations in Adults with Down Syndrome. Cerebral Cortex, 2019, 29, 2279-2290.	2.9	20
17	Multimodal electrophysiological analyses reveal that reduced synaptic excitatory neurotransmission underlies seizures in a model of NMDAR antibody-mediated encephalitis. Communications Biology, 2021, 4, 1106.	4.4	20
18	Cerebellar asymmetry in a pair of monozygotic handednessâ€discordant twins. Journal of Anatomy, 2010, 217, 38-47.	1.5	19

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19	Guillainâ€BarrÃ© syndrome associated with <scp>CASPR2</scp> antibodies: two paediatric cases. Journal of the Peripheral Nervous System, 2014, 19, 246-249.	3.1	17
20	Functional Genomics of Epilepsy and Associated Neurodevelopmental Disorders Using Simple Animal Models: From Genes, Molecules to Brain Networks. Frontiers in Cellular Neuroscience, 2019, 13, 556.	3.7	17
21	Scalp high-frequency oscillation rates are higher in younger children. Brain Communications, 2021, 3, fcab052.	3.3	14
22	Persistent sodium currents in SCN1A developmental and degenerative epileptic dyskinetic encephalopathy. Brain Communications, 2021, 3, fcab235.	3.3	12
23	Drug-resistant focal epilepsy in children is associated with increased modal controllability of the whole brain and epileptogenic regions. Communications Biology, 2022, 5, 394.	4.4	11
24	Use of a bibliometric literature review to assess medical research capacity in postâ€conflict and developing countries: Somaliland 1991â€“2013. Tropical Medicine and International Health, 2015, 20, 1507-1515.	2.3	9
25	Seizure initiation in infantile spasms vs. focal seizures: proposed common cellular mechanisms. Reviews in the Neurosciences, 2020, 31, 181-200.	2.9	9
26	Cerebellar Asymmetry and Cortical Connectivity in Monozygotic Twins with Discordant Handedness. Cerebellum, 2018, 17, 191-203.	2.5	8
27	Hierarchical disruption in the Bayesian brain: Focal epilepsy and brain networks. NeuroImage: Clinical, 2017, 15, 682-688.	2.7	6
28	Epileptic Seizures: Gliaâ€“Neuron Interactions For Better or For Worse. Current Biology, 2019, 29, R1248-R1251.	3.9	5
29	A Tale of two Networksâ€”Glial Contributions to Generalized Seizures. Epilepsy Currents, 2020, 20, 108-110.	0.8	5
30	<scp>ZMYND11</scp> variants are a novel cause of centrotemporal and generalised epilepsies with neurodevelopmental disorder. Clinical Genetics, 2021, 100, 412-429.	2.0	5
31	Variation of scalp EEG high frequency oscillation rate with sleep stage and time spent in sleep in patients with pediatric epilepsy. Clinical Neurophysiology, 2022, 135, 117-125.	1.5	5
32	Sotos syndrome: a pitfall in the presurgical workup of temporal lobe epilepsy. Epileptic Disorders, 2021, 23, 506-510.	1.3	4
33	The L1624Q Variant in SCN1A Causes Familial Epilepsy Through a Mixed Gain and Loss of Channel Function. Frontiers in Pharmacology, 2021, 12, 788192.	3.5	3
34	Narcolepsy Following Yellow Fever Vaccination: A Case Report. Frontiers in Neurology, 2016, 7, 130.	2.4	2
35	Dynamic Causal Modelling of Dynamic Dysfunction in NMDA-Receptor Antibody Encephalitis. Springer Series in Bio-/neuroinformatics, 2017, , 121-148.	0.1	1
36	Sotos syndrome and the added value of genetic workup in epilepsy surgery. Epilepsia Open, 2021, 6, 793-794.	2.4	0