

Richard Rosch

List of Publications by Year in descending order

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Version: 2024-02-01

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	Variation of scalp EEG high frequency oscillation rate with sleep stage and time spent in sleep in patients with pediatric epilepsy. <i>Clinical Neurophysiology</i> , 2022, 135, 117-125.	1.5	5
2	Drug-resistant focal epilepsy in children is associated with increased modal controllability of the whole brain and epileptogenic regions. <i>Communications Biology</i> , 2022, 5, 394.	4.4	11
3	Why won't it stop? The dynamics of benzodiazepine resistance in status epilepticus. <i>Nature Reviews Neurology</i> , 2022, 18, 428-441.	10.1	31
4	Multimodal in vivo recording using transparent graphene microelectrodes illuminates spatiotemporal seizure dynamics at the microscale. <i>Communications Biology</i> , 2021, 4, 136.	4.4	28
5	Scalp high-frequency oscillation rates are higher in younger children. <i>Brain Communications</i> , 2021, 3, fcab052.	3.3	14
6	Sotos syndrome: a pitfall in the presurgical workup of temporal lobe epilepsy. <i>Epileptic Disorders</i> , 2021, 23, 506-510.	1.3	4
7	<i>ZMYND11</i> variants are a novel cause of centrotemporal and generalised epilepsies with neurodevelopmental disorder. <i>Clinical Genetics</i> , 2021, 100, 412-429.	2.0	5
8	Sotos syndrome and the added value of genetic workup in epilepsy surgery. <i>Epilepsia Open</i> , 2021, 6, 793-794.	2.4	0
9	Multimodal electrophysiological analyses reveal that reduced synaptic excitatory neurotransmission underlies seizures in a model of NMDAR antibody-mediated encephalitis. <i>Communications Biology</i> , 2021, 4, 1106.	4.4	20
10	Persistent sodium currents in <i>SCN1A</i> developmental and degenerative epileptic dyskinetic encephalopathy. <i>Brain Communications</i> , 2021, 3, fcab235.	3.3	12
11	The L1624Q Variant in <i>SCN1A</i> Causes Familial Epilepsy Through a Mixed Gain and Loss of Channel Function. <i>Frontiers in Pharmacology</i> , 2021, 12, 788192.	3.5	3
12	Seizure initiation in infantile spasms vs. focal seizures: proposed common cellular mechanisms. <i>Reviews in the Neurosciences</i> , 2020, 31, 181-200.	2.9	9
13	A Tale of two Networks—Glial Contributions to Generalized Seizures. <i>Epilepsy Currents</i> , 2020, 20, 108-110.	0.8	5
14	Imaging epilepsy in larval zebrafish. <i>European Journal of Paediatric Neurology</i> , 2020, 24, 70-80.	1.6	32
15	Selective Prefrontal Disinhibition in a Roving Auditory Oddball Paradigm Under N-Methyl-D-Aspartate Receptor Blockade. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 140-150.	1.5	31
16	Dynamic Causal Modeling of the Relationship between Cognition and Theta- α Oscillations in Adults with Down Syndrome. <i>Cerebral Cortex</i> , 2019, 29, 2279-2290.	2.9	20
17	Targeted knockout of GABA receptor gamma 2 subunit provokes transient light-induced reflex seizures in zebrafish larvae. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	2.4	29
18	Functional Genomics of Epilepsy and Associated Neurodevelopmental Disorders Using Simple Animal Models: From Genes, Molecules to Brain Networks. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 556.	3.7	17

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19	Epileptic Seizures: Gliaâ€“Neuron Interactions For Better or For Worse. <i>Current Biology</i> , 2019, 29, R1248-R1251.	3.9	5
20	Network dynamics in the healthy and epileptic developing brain. <i>Network Neuroscience</i> , 2018, 2, 41-59.	2.6	22
21	Infectious causes of microcephaly: epidemiology, pathogenesis, diagnosis, and management. <i>Lancet Infectious Diseases</i> , The, 2018, 18, e1-e13.	9.1	92
22	Cerebellar Asymmetry and Cortical Connectivity in Monozygotic Twins with Discordant Handedness. <i>Cerebellum</i> , 2018, 17, 191-203.	2.5	8
23	NMDA-receptor antibodies alter cortical microcircuit dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9916-E9925.	7.1	39
24	Calcium imaging and dynamic causal modelling reveal brain-wide changes in effective connectivity and synaptic dynamics during epileptic seizures. <i>PLoS Computational Biology</i> , 2018, 14, e1006375.	3.2	57
25	Incorporating epilepsy genetics into clinical practice: a 360Â°evaluation. <i>Npj Genomic Medicine</i> , 2018, 3, 13.	3.8	46
26	Deep temporal models and active inference. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 77, 388-402.	6.1	159
27	Hierarchical disruption in the Bayesian brain: Focal epilepsy and brain networks. <i>NeuroImage: Clinical</i> , 2017, 15, 682-688.	2.7	6
28	Dynamic causal modelling of seizure activity in a rat model. <i>NeuroImage</i> , 2017, 146, 518-532.	4.2	27
29	Dynamic Causal Modelling of Dynamic Dysfunction in NMDA-Receptor Antibody Encephalitis. <i>Springer Series in Bio-/neuroinformatics</i> , 2017, , 121-148.	0.1	1
30	Narcolepsy Following Yellow Fever Vaccination: A Case Report. <i>Frontiers in Neurology</i> , 2016, 7, 130.	2.4	2
31	Analysis of rare copy number variation in absence epilepsies. <i>Neurology: Genetics</i> , 2016, 2, e56.	1.9	31
32	Temperature-dependent changes in neuronal dynamics in a patient with an SCN1A mutation and hyperthermia induced seizures. <i>Scientific Reports</i> , 2016, 6, 31879.	3.3	27
33	Use of a bibliometric literature review to assess medical research capacity in postâ€“conflict and developing countries: Somaliland 1991â€“2013. <i>Tropical Medicine and International Health</i> , 2015, 20, 1507-1515.	2.3	9
34	Guillainâ€“BarrÃ© syndrome associated with <scp>CASPR2</scp> antibodies: two paediatric cases. <i>Journal of the Peripheral Nervous System</i> , 2014, 19, 246-249.	3.1	17
35	Lateralised visual attention is unrelated to language lateralisation, and not influenced by task difficulty â€“ A functional transcranial Doppler study. <i>Neuropsychologia</i> , 2012, 50, 810-815.	1.6	45
36	Cerebellar asymmetry in a pair of monozygotic handednessâ€“discordant twins. <i>Journal of Anatomy</i> , 2010, 217, 38-47.	1.5	19