

Epilepsy

Nature Reviews Disease Primers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Genetics of Focal Epilepsies: What do we know and where are we Heading?. <i>Epilepsy Currents</i> , 2018, 18, 356-362.	0.4	29
2	Brief history of anti-epilepsy drug development. <i>Epilepsia Open</i> , 2018, 3, 114-119.	1.3	55
3	Pharmacokinetic Interactions of Clinical Interest Between Direct Oral Anticoagulants and Antiepileptic Drugs. <i>Frontiers in Neurology</i> , 2018, 9, 1067.	1.1	60
4	Discovery and validation of blood microRNAs as molecular biomarkers of epilepsy: Ways to close current knowledge gaps. <i>Epilepsia Open</i> , 2018, 3, 427-436.	1.3	32
5	n-3 Docosapentaenoic acid-derived protectin D1 promotes resolution of neuroinflammation and arrests epileptogenesis. <i>Brain</i> , 2018, 141, 3130-3143.	3.7	55
6	Double-edged GABAergic synaptic transmission in seizures: The importance of chloride plasticity. <i>Brain Research</i> , 2018, 1701, 126-136.	1.1	29
7	Graph-Set Analysis Helps To Understand Charge Transfer in a Novel Ionic Cocrystal When the K^+ Rule Fails. <i>Crystal Growth and Design</i> , 2019, 19, 5308-5313.	1.4	19
8	Insights about multi-targeting and synergistic neuromodulators in Ayurvedic herbs against epilepsy: integrated computational studies on drug-target and protein-protein interaction networks. <i>Scientific Reports</i> , 2019, 9, 10565.	1.6	31
9	Hippocampal CA1 and cortical interictal oscillations in the pilocarpine model of epilepsy. <i>Brain Research</i> , 2019, 1722, 146351.	1.1	13
10	Changes in excitatory and inhibitory receptor expression and network activity during induction and establishment of epilepsy in the rat Reduced Intensity Status Epilepticus (RISE) model. <i>Neuropharmacology</i> , 2019, 158, 107728.	2.0	14
11	Neuroinflammatory pathways as treatment targets and biomarkers in epilepsy. <i>Nature Reviews Neurology</i> , 2019, 15, 459-472.	4.9	463
12	Neurogenesis and Gliogenesis: Relevance of Adenosine for Neuroregeneration in Brain Disorders. <i>Journal of Caffeine and Adenosine Research</i> , 2019, 9, 129-144.	0.8	5
13	Quantitative Analysis of $[18\text{F}]\text{FFMZ}$ and $[18\text{F}]\text{FDG}$ PET Studies in the Localization of Seizure Onset Zone in Drug-Resistant Temporal Lobe Epilepsy. <i>Stereotactic and Functional Neurosurgery</i> , 2019, 97, 232-240.	0.8	5
14	The effects of cell therapy on seizures in animal models of epilepsy: protocol for systematic review and meta-analysis of preclinical studies. <i>Systematic Reviews</i> , 2019, 8, 255.	2.5	3
15	FK506 Attenuated Pilocarpine-Induced Epilepsy by Reducing Inflammation in Rats. <i>Frontiers in Neurology</i> , 2019, 10, 971.	1.1	21
16	Excitotoxicity, neuroinflammation and oxidant stress as molecular bases of epileptogenesis and epilepsy-derived neurodegeneration: The role of vitamin E. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1098-1112.	1.8	105
17	The phenotypic landscape of a <i>Tbc1d24</i> mutant mouse includes convulsive seizures resembling human early infantile epileptic encephalopathy. <i>Human Molecular Genetics</i> , 2019, 28, 1530-1547.	1.4	20
18	Long-term Outcome of Intravenous Lidocaine in Pediatric Cluster Seizures: A Preliminary Study. <i>Pediatric Neurology</i> , 2019, 97, 43-49.	1.0	1

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19	An update for epilepsy research and antiepileptic drug development: Toward precise circuit therapy. , 2019, 201, 77-93.		102
20	Identification of Epileptic Seizures by Characterizing Instantaneous Energy Behavior of EEG. IEEE Access, 2019, 7, 70059-70076.	2.6	13
21	Advancing research toward faster diagnosis, better treatment, and end of stigma in epilepsy. Epilepsia, 2019, 60, 1281-1292.	2.6	17
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23	Constipation, antiepileptic drugs, and gingivitis in children and adolescents with cerebral palsy. International Journal of Paediatric Dentistry, 2019, 29, 635-641.	1.0	14
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25	Time, frequency and information domain analysis of short-term heart rate variability before and after focal and generalized seizures in epileptic children. Physiological Measurement, 2019, 40, 074003.	1.2	16
26	GABAA receptor-mediated networks during focal seizure onset and progression in vitro. Neurobiology of Disease, 2019, 125, 190-197.	2.1	12
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28	Anticonvulsant Essential Oils and Their Relationship with Oxidative Stress in Epilepsy. Biomolecules, 2019, 9, 835.	1.8	42
29	Bioassay-guided isolation of anti-seizure principles from Semen Pharbitidis using a zebrafish pentylenetetrazol seizure model. Journal of Ethnopharmacology, 2019, 232, 130-134.	2.0	16
30	Calpain activation and neuronal death during early epileptogenesis. Neurobiology of Disease, 2019, 124, 141-151.	2.1	11
31	Interneurons and principal cell firing in human limbic areas at focal seizure onset. Neurobiology of Disease, 2019, 124, 183-188.	2.1	33
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35	The holy grail of epilepsy prevention: Preclinical approaches to antiepileptogenic treatments. Neuropharmacology, 2020, 167, 107605.	2.0	94
36	Low-dose intranasal insulin improves cognitive function and suppresses the development of epilepsy. Brain Research, 2020, 1726, 146474.	1.1	10

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37	Inflammation and reactive oxygen species as disease modifiers in epilepsy. <i>Neuropharmacology</i> , 2020, 167, 107742.	2.0	121
38	Modeling poststroke epilepsy and preclinical development of drugs for poststroke epilepsy. <i>Epilepsy and Behavior</i> , 2020, 104, 106472.	0.9	7
39	Proof-of-concept that network pharmacology is effective to modify development of acquired temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2020, 134, 104664.	2.1	24
40	Role of c-Jun N-Terminal Kinases (JNKs) in Epilepsy and Metabolic Cognitive Impairment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 255.	1.8	18
41	Anti-Inflammation Associated Protective Mechanism of Berberine and its Derivatives on Attenuating Pentylentetrazole-Induced Seizures in Zebrafish. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 15, 309-325.	2.1	34
42	The need to incorporate aged animals into the preclinical modeling of neurological conditions. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 109, 114-128.	2.9	33
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49	Neural Stem Cells and Cannabinoids in the Spotlight as Potential Therapy for Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7309.	1.8	1
50	Microglia as therapeutic target in central nervous system disorders. <i>Journal of Pharmacological Sciences</i> , 2020, 144, 102-118.	1.1	19
51	The Endocannabinoid System Activation as a Neural Network Desynchronizing Mediator for Seizure Suppression. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 603245.	1.0	11
52	Impact of predictive, preventive and precision medicine strategies in epilepsy. <i>Nature Reviews Neurology</i> , 2020, 16, 674-688.	4.9	59
53	Alteration of Gut Microbiota in Patients With Epilepsy and the Potential Index as a Biomarker. <i>Frontiers in Microbiology</i> , 2020, 11, 517797.	1.5	52
54	Preclinical models of disease and multimorbidity with focus upon cardiovascular disease and dementia. <i>Mechanisms of Ageing and Development</i> , 2020, 192, 111361.	2.2	7

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60	Amygdala Low-Frequency Stimulation Reduces Pathological Phase-Amplitude Coupling in the Pilocarpine Model of Epilepsy. <i>Brain Sciences</i> , 2020, 10, 856.	1.1	10
61	Optical spectroscopy and microscopy techniques for assessment of neurological diseases. <i>Applied Spectroscopy Reviews</i> , 2020, , 1-40.	3.4	2
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63	Knockdown of ZFAS1 Inhibits Hippocampal Neurons Apoptosis and Autophagy by Activating the PI3K/AKT Pathway via Up-regulating miR-421 in Epilepsy. <i>Neurochemical Research</i> , 2020, 45, 2433-2441.	1.6	33
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66	Involvement of the Benzodiazepine Site in the Anticonvulsant Activity of <i>Tapinanthus globiferus</i> against Pentylentetrazole-induced Seizures in Mice. <i>Planta Medica</i> , 2020, 86, 1204-1215.	0.7	5
67	Genetics of Epileptic Networks: from Focal to Generalized Genetic Epilepsies. <i>Current Neurology and Neuroscience Reports</i> , 2020, 20, 46.	2.0	12
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69	Cross talk between drug-resistant epilepsy and the gut microbiome. <i>Epilepsia</i> , 2020, 61, 2619-2628.	2.6	45
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71	Ictal EEG in patients with autistic spectrum disorder and epilepsy. <i>Epilepsy Research</i> , 2020, 168, 106482.	0.8	5
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73	Preparation and characterisation of PHT-loaded chitosan lecithin nanoparticles for intranasal drug delivery to the brain. <i>RSC Advances</i> , 2020, 10, 28992-29009.	1.7	19
74	Identification of Hub Genes of Mesio Temporal Lobe Epilepsy and Prognostic Biomarkers of Brain Low-grade Gliomas Based on Bioinformatics Analysis. <i>Cell Transplantation</i> , 2020, 29, 096368972097872.	1.2	4
75	Resective epilepsy surgery: assessment of randomized controlled trials. <i>Neurosurgical Review</i> , 2021, 44, 2059-2067.	1.2	10
76	Regulation of chemoconvulsant-induced seizures by store-operated Orai1 channels. <i>Journal of Physiology</i> , 2020, 598, 5391-5409.	1.3	9
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79	The role of nitric oxide in brain disorders: Autism spectrum disorder and other psychiatric, neurological, and neurodegenerative disorders. <i>Redox Biology</i> , 2020, 34, 101567.	3.9	82
80	VIP Modulation of Hippocampal Synaptic Plasticity: A Role for VIP Receptors as Therapeutic Targets in Cognitive Decline and Mesial Temporal Lobe Epilepsy. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 153.	1.8	26
81	Reactive Glia Inflammatory Signaling Pathways and Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4096.	1.8	90
82	Epilepsy subtype-specific copy number burden observed in a genome-wide study of 17%458 subjects. <i>Brain</i> , 2020, 143, 2106-2118.	3.7	47
83	Loss of Protection by Antiepileptic Drugs in Lipopolysaccharide-primed Pilocarpine-induced Status Epilepticus is Mediated via Inflammatory Signalling. <i>Neuroscience</i> , 2020, 442, 1-16.	1.1	15
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85	Recent Advancements of Nanomedicine in Neurodegenerative Disorders Theranostics. <i>Advanced Functional Materials</i> , 2020, 30, 2003054.	7.8	83
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89	Emerging Modalities and Implantable Technologies for Neuromodulation. <i>Cell</i> , 2020, 181, 115-135.	13.5	152
90	Ordinary-Kriging Based Real-Time Seizure Detection in an Edge Computing Paradigm. , 2020, , .		10

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93	Seizure progression triggered by <i>IQSEC3</i> loss is mitigated by reducing activated microglia in mice. <i>Glia</i> , 2020, 68, 2661-2673.	2.5	7
94	A systems approach delivers a functional microRNA catalog and expanded targets for seizure suppression in temporal lobe epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15977-15988.	3.3	41
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101	Therapeutic role of targeting mTOR signaling and neuroinflammation in epilepsy. <i>Epilepsy Research</i> , 2020, 161, 106282.	0.8	48
102	Genetic and molecular basis of epilepsy-related cognitive dysfunction. <i>Epilepsy and Behavior</i> , 2020, 104, 106848.	0.9	11
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104	Pharmacological Profile of the Novel Antiepileptic Drug Candidate Padsevonil: Characterization in Rodent Seizure and Epilepsy Models. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 372, 11-20.	1.3	27
105	Oxidative Stress, a Crossroad Between Rare Diseases and Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 313.	2.2	39
106	Intranasal Delivery of Nanoformulations: A Potential Way of Treatment for Neurological Disorders. <i>Molecules</i> , 2020, 25, 1929.	1.7	94
107	The Genetics of Epilepsy. <i>Annual Review of Genomics and Human Genetics</i> , 2020, 21, 205-230.	2.5	116
108	Modeling Hippocampal CA1 Gabaergic Synapses of Audiogenic Rats. <i>International Journal of Neural Systems</i> , 2020, 30, 2050022.	3.2	2

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109	Automated classification of five seizure onset patterns from intracranial electroencephalogram signals. <i>Clinical Neurophysiology</i> , 2020, 131, 1210-1218.	0.7	5
110	Circulating miR-146a and miR-134 in predicting drug-resistant epilepsy in patients with focal impaired awareness seizures. <i>Epilepsia</i> , 2020, 61, 959-970.	2.6	35
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112	Inhibitory stabilization and cortical computation. <i>Nature Reviews Neuroscience</i> , 2021, 22, 21-37.	4.9	80
113	Envisioning the crosstalk between environmental enrichment and epilepsy: A novel perspective. <i>Epilepsy and Behavior</i> , 2021, 115, 107660.	0.9	4
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116	An Insight into Molecular Mechanisms and Novel Therapeutic Approaches in Epileptogenesis. <i>CNS and Neurological Disorders - Drug Targets</i> , 2021, 19, 750-779.	0.8	12
117	Methods for the Screening of New Chemical Entities for Deciphering Neuroinflammatory and Associated Pathways in Seizures: An In Vitro Perspective. <i>Neuromethods</i> , 2021, , 29-53.	0.2	1
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123	Efficacy and tolerability of antiseizure drugs. <i>Therapeutic Advances in Neurological Disorders</i> , 2021, 14, 175628642110374.	1.5	18
124	Investigation on the active ingredient and mechanism of <i>Cannabis sativa</i> L. for treating epilepsy based on network pharmacology. <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 994-1009.	0.5	7
125	Mitochondrial abnormalities in neurological disorders. , 2021, , 193-245.		0
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139	The effect of penicillin-induced epileptiform activity on proinflammatory cytokines levels in the rat brain. Cumhuriyet Science Journal, 2021, 42, 1-6.	0.1	1
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144	Enriched environment ameliorates chronic temporal lobe epilepsy-induced behavioral hyperexcitability and restores synaptic plasticity in CA3-CA1 synapses in male Wistar rats. Journal of Neuroscience Research, 2021, 99, 1646-1665.	1.3	9
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147	Melatonin as an Antiepileptic Molecule: Therapeutic Implications via Neuroprotective and Inflammatory Mechanisms. ACS Chemical Neuroscience, 2021, 12, 1281-1292.	1.7	11

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149	4E-BP2-dependent translation in parvalbumin neurons controls epileptic seizure threshold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
150	The actin binding protein drebrin helps to protect against the development of seizure-like events in the entorhinal cortex. <i>Scientific Reports</i> , 2021, 11, 8662.	1.6	3
151	Beneficial Effects of Metformin on the Central Nervous System, with a Focus on Epilepsy and Lafora Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5351.	1.8	16
152	Antiepileptogenesis and disease modification: Progress, challenges, and the path forward—Report of the Preclinical Working Group of the 2018 NINDS-sponsored antiepileptogenesis and disease modification workshop. <i>Epilepsia Open</i> , 2021, 6, 276-296.	1.3	24
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155	The Effect of Anti-seizure Medications on the Propagation of Epileptic Activity: A Review. <i>Frontiers in Neurology</i> , 2021, 12, 674182.	1.1	18
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