Drug-Resistant Epilepsy: Multiple Hypotheses, Few Ans

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Citation Report

#	Article	IF	Citations
1	In Vitro Assessment of the Effect of Antiepileptic Drugs on Expression and Function of ABC Transporters and Their Interactions with ABCC2. Molecules, 2017, 22, 1484.	1.7	24
2	Metabolomics As a Tool for the Characterization of Drug-Resistant Epilepsy. Frontiers in Neurology, 2017, 8, 459.	1.1	35
3	Matrix Metalloproteinase-Mediated Blood-Brain Barrier Dysfunction in Epilepsy. Journal of Neuroscience, 2018, 38, 4301-4315.	1.7	118
4	Epilepsy and Cannabis: A Literature Review. Cureus, 2018, 10, e3278.	0.2	16
5	Modulation of glucocorticoid receptor in human epileptic endothelial cells impacts drug biotransformation in an inÂvitro bloodâ€“brain barrier model. Epilepsia, 2018, 59, 2049-2060.	2.6	16
6	Altered composition of the gut microbiome in patients with drug-resistant epilepsy. Epilepsy Research, 2018, 147, 102-107.	0.8	139
7	Recurrent epileptiform discharges in the medial entorhinal cortex of kainateâ€treated rats are differentially sensitive to antiseizure drugs. Epilepsia, 2018, 59, 2035-2048.	2.6	21
8	l-Carnitine Modulates Epileptic Seizures in Pentylenetetrazole-Kindled Rats via Suppression of Apoptosis and Autophagy and Upregulation of Hsp70. Brain Sciences, 2018, 8, 45.	1.1	21
9	Deep brain stimulation for seizure control in drug-resistant epilepsy. Neurosurgical Focus, 2018, 45, E4.	1.0	66
10	In vitro and in vivo experimental models employed in the discovery and development of antiepileptic drugs for pharmacoresistant epilepsy. Epilepsy Research, 2018, 146, 63-86.	0.8	33
11	Mobile Software as a Medical Device (SaMD) for the Treatment of Epilepsy: Development of Digital Therapeutics Comprising Behavioral and Music-Based Interventions for Neurological Disorders. Frontiers in Human Neuroscience, 2018, 12, 171.	1.0	32
12	SAHA (Vorinostat) Corrects Inhibitory Synaptic Deficits Caused by Missense Epilepsy Mutations to the GABAA Receptor Î³2 Subunit. Frontiers in Molecular Neuroscience, 2018, 11, 89.	1.4	7
13	Biochemical autoregulatory gene therapy for focal epilepsy. Nature Medicine, 2018, 24, 1324-1329.	15.2	47
14	Pilocarpine-Induced Status Epilepticus Is Associated with P-Glycoprotein Induction in Cardiomyocytes, Electrocardiographic Changes, and Sudden Death. Pharmaceuticals, 2018, 11, 21.	1.7	25
15	Lamotrigineâ€resistant cornealâ€kindled mice: A model of pharmacoresistant partial epilepsy for moderateâ€throughput drug discovery. Epilepsia, 2018, 59, 1245-1256.	2.6	32
16	MicroRNA-298 Reverses Multidrug Resistance to Antiepileptic Drugs by Suppressing MDR1/P-gp Expression in vitro. Frontiers in Neuroscience, 2018, 12, 602.	1.4	28
17	Searching for New Leads To Treat Epilepsy: Target-Based Virtual Screening for the Discovery of Anticonvulsant Agents. Journal of Chemical Information and Modeling, 2018, 58, 1331-1342.	2.5	11
18	European trends in epilepsy surgery. Neurology, 2018, 91, e96-e106.	1.5	108

#	Article	IF	Citations
19	Curcumin in epilepsy disorders. Phytotherapy Research, 2018, 32, 1865-1875.	2.8	23
20	New anticonvulsant candidates prevent P-glycoprotein (P-gp) overexpression in a pharmacoresistant seizure model in mice. Epilepsy and Behavior, 2021, 121, 106451.	0.9	16
21	A Systems Biology Approach for Personalized Medicine in Refractory Epilepsy. International Journal of Molecular Sciences, 2019, 20, 3717.	1.8	21
22	Drug-resistant epilepsy: From multiple hypotheses to an integral explanation using preclinical resources. Epilepsy and Behavior, 2019, 121, 106430.	0.9	30
23	Pharmacology of Medical Cannabis. Advances in Experimental Medicine and Biology, 2019, 1162, 151-165.	0.8	146
24	Convulsive Stress Mimics Brain Hypoxia and Promotes the P-Glycoprotein (P-gp) and Erythropoietin Receptor Overexpression. Recombinant Human Erythropoietin Effect on P-gp Activity. Frontiers in Neuroscience, 2019, 13, 750.	1.4	28
25	Efficacy of antiepileptic drugs in the era of pharmacogenomics: A focus on childhood. European Journal of Paediatric Neurology, 2019, 23, 674-684.	0.7	5
26	Novel therapies for epilepsy in the pipeline. Epilepsy and Behavior, 2019, 97, 282-290.	0.9	28
27	The role of P-glycoprotein (P-gp) and inwardly rectifying potassium (Kir) channels in sudden unexpected death in epilepsy (SUDEP). Epilepsy and Behavior, 2019, 121, 106590.	0.9	21
28	Evaluation of antiseizure drug efficacy and tolerability in the rat lamotrigineâ€resistant amygdala kindling model. Epilepsia Open, 2019, 4, 452-463.	1.3	21
29	Inhibition of human microsomal PGE2 synthase-1 reduces seizure-induced increases of P-glycoprotein expression and activity at the blood-brain barrier. FASEB Journal, 2019, 33, 13966-13981.	0.2	24
30	Cytosolic phospholipase A2 is a key regulator of bloodâ€brain barrier function in epilepsy. FASEB Journal, 2019, 33, 14281-14295.	0.2	23
31	Ferulic acid ameliorates pentylenetetrazol-induced seizures by reducing neuron cell death. Epilepsy Research, 2019, 156, 106183.	0.8	22
32	An update for epilepsy research and antiepileptic drug development: Toward precise circuit therapy. , 2019, 201, 77-93.		102
33	Antidepressants and nose-to-brain delivery: drivers, restraints, opportunities and challenges. Drug Discovery Today, 2019, 24, 1911-1923.	3.2	23
34	The Concept of Drug-Resistant Epileptogenic Zone. Frontiers in Neurology, 2019, 10, 558.	1.1	14
35	Designer receptor technology for the treatment of epilepsy. EBioMedicine, 2019, 43, 641-649.	2.7	38
36	Olanzapine: A potent agonist at the hM4D(Gi) DREADD amenable to clinical translation of chemogenetics. Science Advances, 2019, 5, eaaw1567.	4.7	44

#	Article	IF	Citations
37	ABC transporters in drug-resistant epilepsy: mechanisms of upregulation and therapeutic approaches. Pharmacological Research, 2019, 144, 357-376.	3.1	49
38	Neuroimaging of Sudden Unexpected Death in Epilepsy (SUDEP): Insights From Structural and Resting-State Functional MRI Studies. Frontiers in Neurology, 2019, 10, 185.	1.1	43
39	Epilepsy Disease and Nose-to-Brain Delivery of Polymeric Nanoparticles: An Overview. Pharmaceutics, 2019, 11, 118.	2.0	83
40	Activation of nicotinamide adenine dinucleotide phosphate oxidase is the primary trigger of epileptic seizures in rodent models. Annals of Neurology, 2019, 85, 907-920.	2.8	25
41	Long Non-coding RNA KCNQ1OT1 Contributes to Antiepileptic Drug Resistance Through the miR-138-5p/ABCB1 Axis in vitro. Frontiers in Neuroscience, 2019, 13, 1358.	1.4	17
42	Efficacy and safety of levetiracetam in children with epilepsy: protocol for an umbrella review of systematic reviews and meta-analyses of randomised controlled trials. BMJ Open, 2019, 9, e029811.	0.8	1
43	Seizure Control by a Learning Type Active Disturbance Rejection Approach. IEEE Access, 2019, 7, 164792-164802.	2.6	6
44	Amygdaloid complex anatomopathological findings in animal models of status epilepticus. Epilepsy and Behavior, 2019, 121, 106831.	0.9	2
45	ABCB1 Polymorphisms and Drug-Resistant Epilepsy in a Tunisian Population. Disease Markers, 2019, 2019, 1-16.	0.6	25
46	What is the role of cannabidiol in refractory epilepsy?. JAAPA: Official Journal of the American Academy of Physician Assistants, 2019, 32, 16-18.	0.1	2
47	Development of the 1,2,4-triazole-based anticonvulsant drug candidates acting on the voltage-gated sodium channels. Insights from in-vivo, in-vitro, and in-silico studies. European Journal of Pharmaceutical Sciences, 2019, 129, 42-57.	1.9	52
48	Docosahexaenoic acid prevents resistance to antiepileptic drugs in two animal models of drug-resistant epilepsy. Nutritional Neuroscience, 2019, 22, 616-624.	1.5	4
49	Pharmacoresistance â€“ Epidemiology, mechanisms, and impact on epilepsy treatment. Neuropharmacology, 2020, 168, 107790.	2.0	88
50	N-Benzyl-(2,5-dioxopyrrolidin-1-yl)propanamide (AS-1) with Hybrid Structure as a Candidate for a Broad-Spectrum Antiepileptic Drug. Neurotherapeutics, 2020, 17, 309-328.	2.1	17
51	Functional characterization of novel bumetanide derivatives for epilepsy treatment. Neuropharmacology, 2020, 162, 107754.	2.0	23
52	Is cannabidiol a drug acting on unconventional targets to control drugâ€resistant epilepsy?. Epilepsia Open, 2020, 5, 36-49.	1.3	18
53	microRNAâ€139â€5p confers sensitivity to antiepileptic drugs in refractory epilepsy by inhibition of MRP1. CNS Neuroscience and Therapeutics, 2020, 26, 465-474.	1.9	20
54	Long-term follow-up of a large cohort with focal epilepsy of unknown cause: deciphering their clinical and prognostic characteristics. Journal of Neurology, 2020, 267, 838-847.	1.8	3

#	Article	IF	Citations
55	The impact of cannabinoid type 2 receptors (CB2Rs) in neuroprotection against neurological disorders. Acta Pharmacologica Sinica, 2020, 41, 1507-1518.	2.8	17
56	Cortical stimulation in pharmacoresistant focal epilepsies. Bioelectronic Medicine, 2020, 6, 19.	1.0	6
57	Digoxin enhances the effect of antiepileptic drugs with different mechanism of action in the pentylenetetrazole-induced seizures in mice. Epilepsy Research, 2020, 167, 106465.	0.8	5
58	Targeted delivery of lacosamide-conjugated gold nanoparticles into the brain in temporal lobe epilepsy in rats. Life Sciences, 2020, 257, 118081.	2.0	18
59	The Search for New Anticonvulsants in a Group of (2,5-Dioxopyrrolidin-1-yl)(phenyl)Acetamides with Hybrid Structureâ€"Synthesis and In Vivo/In Vitro Studies. International Journal of Molecular Sciences, 2020, 21, 8780.	1.8	3
60	Bypassing the Bloodâ€"Brain Barrier: Direct Intracranial Drug Delivery in Epilepsies. Pharmaceutics, 2020, 12, 1134.	2.0	35
61	Reactivity and increased proliferation of NG2 cells following central nervous system infection with Theilerâ€™s murine encephalomyelitis virus. Journal of Neuroinflammation, 2020, 17, 369.	3.1	7
62	Antiseizure drug efficacy and tolerability in established and novel drug discovery seizure models in outbred vs inbred mice. Epilepsia, 2020, 61, 2022-2034.	2.6	15
63	An Open Pilot Study of the Effect and Tolerability of Add-On Multivitamin Therapy in Patients with Intractable Focal Epilepsy. Nutrients, 2020, 12, 2359.	1.7	11
64	Epilepsy and Alterations of the Bloodâ€"Brain Barrier: Cause or Consequence of Epileptic Seizures or Both?. Handbook of Experimental Pharmacology, 2020, , 1.	0.9	10
65	Noise-Resilient and Interpretable Epileptic Seizure Detection. , 2020, , .		6
66	Detection of Epileptic Seizures from Surface EEG Using Hyperdimensional Computing. , 2020, 2020, 536-540.		13
67	KAâ€104, a new multitargeted anticonvulsant with potent antinociceptive activity in preclinical models. Epilepsia, 2020, 61, 2119-2128.	2.6	9
68	Pharmacokinetic, pharmacodynamic, and neurochemical investigations of lamotrigineâ€pentylenetetrazole kindled mice to ascertain it as a reliable model for clinical drugâ€resistant epilepsy. Animal Models and Experimental Medicine, 2020, 3, 245-255.	1.3	6
69	Neurobiology, Functions, and Relevance of Excitatory Amino Acid Transporters (EAATs) to Treatment of Refractory Epilepsy. CNS Drugs, 2020, 34, 1089-1103.	2.7	17
70	CB1-Antibody Modified Liposomes for Targeted Modulation of Epileptiform Activities Synchronously Detected by Microelectrode Arrays. ACS Applied Materials & Interfaces, 2020, 12, 41148-41156.	4.0	15
71	The Expression of ZnT3 and GFAP Is Potentiated in the Hippocampus of Drug-Resistant Epileptic Rats Induced by Amygdala Kindling. NeuroImmunoModulation, 2020, 27, 104-112.	0.9	5
72	Src/CK2/PTEN-Mediated GluN2B and CREB Dephosphorylations Regulate the Responsiveness to AMPA Receptor Antagonists in Chronic Epilepsy Rats. International Journal of Molecular Sciences, 2020, 21, 9633.	1.8	17

#	Article	IF	Citations
73	Design and Application in Delivery System of Intranasal Antidepressants. Frontiers in Bioengineering and Biotechnology, 2020, 8, 626882.	2.0	58
74	MEMANTINE, AS A P-GLYCOPROTEIN EXPRESSION MODULATOR, ENHANCES LEVETIRACETAM THERAPEUTIC RESPONSE IN EPILEPTIC PATIENTS. Asian Journal of Pharmaceutical and Clinical Research, 0, , 104-108.	0.3	0
75	Multitargeted Compounds Derived from (2,5-Dioxopyrrolidin-1-yl)(phenyl)-Acetamides as Candidates for Effective Anticonvulsant and Antinociceptive Agents. ACS Chemical Neuroscience, 2020, 11, 1996-2008.	1.7	19
76	Association of ABCB1 gene polymorphism (C1236T and C3435T) with refractory epilepsy in Iraqi patients. Molecular Biology Reports, 2020, 47, 4245-4254.	1.0	4
77	Drug Resistance in Epilepsy: Clinical Impact, Potential Mechanisms, and New Innovative Treatment Options. Pharmacological Reviews, 2020, 72, 606-638.	7.1	360
78	Effect of vagus nerve stimulation for the treatment of drug-resistant epilepsy. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.4	0
79	Genomic sequencing in severe epilepsy: a step closer to precision medicine. Expert Review of Precision Medicine and Drug Development, 2020, 5, 101-108.	0.4	1
80	In vivo CRISPRa decreases seizures and rescues cognitive deficits in a rodent model of epilepsy. Brain, 2020, 143, 891-905.	3.7	79
81	Long-term vigabatrin treatment modifies pentylenetetrazole-induced seizures in mice: focused on GABA brain concentration. Pharmacological Reports, 2020, 72, 322-330.	1.5	3
82	Methanolic Stem Extract ofColebrookea oppositifoliaAttenuates Epilepsy in Experimental Animal Models: Possible Role of GABA Pathways. Journal of Biologically Active Products From Nature, 2020, 10, 44-58.	0.1	2
83	Non-pharmacological Interventions for Intractable Epilepsy. Saudi Pharmaceutical Journal, 2020, 28, 951-962.	1.2	19
84	The role of chronobiology in drug-resistance epilepsy: The potential use of a variability and chronotherapy-based individualized platform for improving the response to anti-seizure drugs. Seizure: the Journal of the British Epilepsy Association, 2020, 80, 201-211.	0.9	37
85	Risk of epilepsy in rheumatoid arthritis: a meta-analysis of population based studies and bioinformatics analysis. Therapeutic Advances in Chronic Disease, 2020, 11, 204062231989930.	1.1	3
86	Novel CCM1 (KRIT1) Mutation Detection in Brazilian Familial Cerebral Cavernous Malformation: Different Genetic Variants in Inflammation, Oxidative Stress, and Drug Metabolism Genes Affect Disease Aggressiveness. World Neurosurgery, 2020, 138, 535-540.e8.	0.7	7
87	LncRNA UCA1 Suppresses the Inflammation Via Modulating miR-203-Mediated Regulation of MEF2C/NF-Î¹B Signaling Pathway in Epilepsy. Neurochemical Research, 2020, 45, 783-795.	1.6	32
88	Therapeutic drug monitoring of antiepileptic drugs: current status and future prospects. Expert Opinion on Drug Metabolism and Toxicology, 2020, 16, 227-238.	1.5	79
89	Structural, Molecular, and Functional Alterations of the Blood-Brain Barrier during Epileptogenesis and Epilepsy: A Cause, Consequence, or Both?. International Journal of Molecular Sciences, 2020, 21, 591.	1.8	130
90	Gliotransmission: A Novel Target for the Development of Antiseizure Drugs. Neuroscientist, 2020, 26, 293-309.	2.6	16

#	Article	IF	Citations
91	MicroRNA-25-3p suppresses epileptiform discharges through inhibiting oxidative stress and apoptosis via targeting OXSR1 in neurons. Biochemical and Biophysical Research Communications, 2020, 523, 859-866.	1.0	23
92	A review of the drugâ"drug interactions of the antiepileptic drug brivaracetam. Epilepsy Research, 2020, 163, 106327.	0.8	35
93	Dysfunction of ABC transporters at the blood-brain barrier: Role in neurological disorders. , 2020, 213, 107554.		83
94	Circulating miRâ€146a and miRâ€134 in predicting drugâ€resistant epilepsy in patients with focal impaired awareness seizures. Epilepsia, 2020, 61, 959-970.	2.6	35
95	The Downregulation of Truncated TrkB Receptors Modulated by MicroRNA-185 Activates Full-Length TrkB Signaling and Suppresses the Epileptiform Discharges in Cultured Hippocampal Neurons. Neurochemical Research, 2020, 45, 1647-1660.	1.6	4
96	Cannabidiol (CBD) Inhibited Rhodamine-123 Efflux in Cultured Vascular Endothelial Cells and Astrocytes Under Hypoxic Conditions. Frontiers in Behavioral Neuroscience, 2020, 14, 32.	1.0	18
97	Development and application of an HPLC-DAD technique for human plasma concentration monitoring of perampanel and lamotrigine in drug-resistant epileptic patients. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1162, 122491.	1.2	10
98	Noninvasive transcranial focal stimulation affects the convulsive seizure-induced P-glycoprotein expression and function in rats. Epilepsy and Behavior, 2021, 115, 107659.	0.9	10
99	Clinical trials of vitamin-mineral supplementations in people with epilepsy: A systematic review. Clinical Nutrition, 2021, 40, 3045-3051.	2.3	3
100	An Insight into Molecular Mechanisms and Novel Therapeutic Approaches in Epileptogenesis. CNS and Neurological Disorders - Drug Targets, 2021, 19, 750-779.	0.8	12
101	Applications of direct nose-to-brain drug delivery in biomedicine, biotechnology, tissue engineering, and immunology. , 2021, , 267-285.		0
102	Interictal electroencephalographic functional network topology in drugâ€resistant and wellâ€controlled idiopathic generalized epilepsy. Epilepsia, 2021, 62, 492-503.	2.6	25
103	Functional network topology in drug resistant and well-controlled idiopathic generalized epilepsy: a resting state functional MRI study. Brain Communications, 2021, 3, fcab196.	1.5	12
104	A Method to Induce Lamotrigine-Resistant Corneal Kindled Mice. Neuromethods, 2021, , 181-199.	0.2	0
105	Early intensive inpatient rehabilitation for children undergoing hemispherotomy. The Journal of the International Society of Physical and Rehabilitation Medicine, 2021, 4, 22.	0.1	2
106	MicroRNAs in temporal lobe epilepsy: a systematic review. Neurological Sciences, 2021, 42, 571-578.	0.9	9
107	Investigating rare and ultrarare epilepsy syndromes with Drosophila models. Faculty Reviews, 2021, 10, 10.	1.7	5
108	Selected flavonoids and their role in the treatment of epilepsy â€" a review of the latest reports from experimental studies. Acta Neurobiologiae Experimentalis, 2021, 81, 95-104.	0.4	2

#	Article	IF	Citations
109	Drosophila parabss Flies as a Screening Model for Traditional Medicine: Anticonvulsant Effects of Annona senegalensis. Frontiers in Neurology, 2020, 11, 606919.	1.1	7
110	A Novel Approach to Refractory Epilepsy by Targeting Pgp Peripherally and Centrally: Therapeutic Targets and Future Perspectives. CNS and Neurological Disorders - Drug Targets, 2021, 19, 741-749.	0.8	3
111	Human drug efflux transporter ABCC5 confers acquired resistance to pemetrexed in breast cancer. Cancer Cell International, 2021, 21, 136.	1.8	18
112	Gene Expression Analysis Identifies Cholesterol Metabolism Dysregulation in Hippocampus of Phenytoin-Resistant Pentylenetetrazol-Kindled Epileptic Mice. NeuroMolecular Medicine, 2021, 23, 485-490.	1.8	1
113	Dysregulation of REV-ERBÎ± impairs GABAergic function and promotes epileptic seizures in preclinical models. Nature Communications, 2021, 12, 1216.	5.8	33
114	Epilepsy and Cognitive Impairment. Epilia Epilepsy and Community, 2021, 3, 16-20.	0.1	0
115	Genetic factors and the risk of drug-resistant epilepsy in young children with epilepsy and neurodevelopment disability. Medicine (United States), 2021, 100, e25277.	0.4	2
116	Predictors of Pharmaco-Resistance in Patients with Post-Stroke Epilepsy. Brain Sciences, 2021, 11, 418.	1.1	30
117	Incidence and Prevalence of Drug-Resistant Epilepsy. Neurology, 2021, 96, 805-817.	1.5	125
118	Clinical Characteristics of BRAF V600E Gene Mutation in Patients of Epilepsy-Associated Brain Tumor: a Meta-analysis. Journal of Molecular Neuroscience, 2021, 71, 1815-1824.	1.1	9
119	Chinese herbal compounds containing scorpion in the treatment of epilepsy. Medicine (United States), 2021, 100, e25134.	0.4	0
120	HPLC method for the determination of antiepileptic drugs in human saliva and its application in therapeutic drug monitoring. Journal of Pharmaceutical and Biomedical Analysis, 2021, 197, 113961.	1.4	7
121	Abundance of P-glycoprotein and Breast Cancer Resistance Protein Measured by Targeted Proteomics in Human Epileptogenic Brain Tissue. Molecular Pharmaceutics, 2021, 18, 2263-2273.	2.3	11
122	Cortical expression of IL1-Î², Bcl-2, Caspase-3 and 9, SEMA-3a, NT-3 and P-glycoprotein as biological markers of intrinsic severity in drug-resistant temporal lobe epilepsy. Brain Research, 2021, 1758, 147303.	1.1	12
123	Factors affecting interictal unilateral and bilateral discharges and ictal diffusion patterns of scalp electroencephalogram in temporal lobe epilepsy. Neurological Sciences, 2022, 43, 507-515.	0.9	0
124	Mechanisms of Drug Resistance in the Pathogenesis of Epilepsy: Role of Neuroinflammation. A Literature Review. Brain Sciences, 2021, 11, 663.	1.1	30
125	Physical principles of brainâ€“computer interfaces and their applications for rehabilitation, robotics and control of human brain states. Physics Reports, 2021, 918, 1-133.	10.3	88
126	In Vivo Microelectrode Arrays for Detecting Multi-Region Epileptic Activities in the Hippocampus in the Latent Period of Rat Model of Temporal Lobe Epilepsy. Micromachines, 2021, 12, 659.	1.4	6

#	Article	IF	Citations
127	The Pharmacoresistant Epilepsy: An Overview on Existant and New Emerging Therapies. Frontiers in Neurology, 2021, 12, 674483.	1.1	111
128	Potential Benefit of Add-on Î”9-Tetrahydrocannabinol in Pediatric Drug-Resistant Epilepsy: A Case Series. Canadian Journal of Neurological Sciences, 2021, , 1-3.	0.3	3
129	Potential surgical therapies for drugâ€resistant focal epilepsy. CNS Neuroscience and Therapeutics, 2021, 27, 994-1011.	1.9	10
130	miRâ€485's antiâ€drug resistant epilepsy effects by regulating SV2A/PSDâ€95 and targeting ABCC1 and neuronal signalingâ€transduction proteins in hippocampus of rats. Brain and Behavior, 2021, 11, e2247.	1.0	3
131	EpilepsyÂâ€“Âfrom mysticism to science. Revue Neurologique, 2021, 177, 1047-1058.	0.6	5
132	Subicular Caspaseâ€1 Contributes to Pharmacoresistance in Temporal Lobe Epilepsy. Annals of Neurology, 2021, 90, 377-390.	2.8	27
133	AMPA Receptor Antagonists Facilitate NEDD4-2-Mediated GRIA1 Ubiquitination by Regulating PP2B-ERK1/2-SGK1 Pathway in Chronic Epilepsy Rats. Biomedicines, 2021, 9, 1069.	1.4	4
134	The Therapeutic Potential of Celastrol in Central Nervous System Disorders: Highlights from In Vitro and In Vivo Approaches. Molecules, 2021, 26, 4700.	1.7	15
135	Explorations of ATP-Binding Cassette Transporters and Apoptosis Signal Pathways of 2-Hydroxyanthraquinone Substituted Cyclotriphosphazenes in MCF-7 and DLD-1 Cell Lines. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 1124-1138.	0.9	1
136	Understanding mechanisms of drug resistance in epilepsy and strategies for overcoming it. Expert Opinion on Drug Metabolism and Toxicology, 2021, 17, 1075-1090.	1.5	8
137	The antioxidant and neuroprotective effects of the Psychotria camptopus Verd. Hook. (Rubiaceae) stem bark methanol extract contributes to its antiepileptogenic activity against pentylenetetrazol kindling in male Wistar rats. Metabolic Brain Disease, 2021, 36, 2015-2027.	1.4	4
138	Gephyrin and CYP2C9 Genetic Polymorphisms in Patients with Pharmacoresistant Epilepsy. Pharmacogenomics and Personalized Medicine, 2021, Volume 14, 1133-1140.	0.4	2
139	Control of epileptic seizures by electrical stimulation: a model-based study. Biomedical Physics and Engineering Express, 2021, 7, 065009.	0.6	3
140	Transporter hypothesis in pharmacoresistant epilepsies. IsÂit at the central or peripheral level?. Epilepsia Open, 2022, 7, .	1.3	16
141	Citral Effects on the Expression Profile of Brain-Derived Neurotrophic Factor and Inflammatory Cytokines in Status Epilepticus-Induced Rats Using the Lithiumâ€“Pilocarpine Model. Journal of Medicinal Food, 2021, 24, 916-924.	0.8	7
142	The role of efflux transporters and metabolizing enzymes in brain and peripheral organs to explain drugâ€resistant epilepsy. Epilepsia Open, 2022, 7, .	1.3	9
143	Fruits for Seizures? A Systematic Review on the Potential Anti- Convulsant Effects of Fruits and its Phytochemicals. Current Neuropharmacology, 2021, 19, .	1.4	1
144	Altered Structural Brain Networks in Refractory and Nonrefractory Idiopathic Generalized Epilepsy. Brain Connectivity, 2022, 12, 549-560.	0.8	12

#	Article	IF	Citations
145	Deletion of calcineurin from astrocytes reproduces proteome signature of Alzheimer's disease and epilepsy and predisposes to seizures. Cell Calcium, 2021, 100, 102480.	1.1	6
146	Design and development of trifluoromethylated enaminone derivatives as potential anticonvulsants. Journal of Fluorine Chemistry, 2021, 251, 109886.	0.9	6
147	Exploring factors associated with interictal heart rate variability in patients with medically controlled focal epilepsy. Seizure: the Journal of the British Epilepsy Association, 2021, 92, 24-28.	0.9	3
148	Altered topological properties of brain functional networks in drug-resistant epilepsy patients with vagus nerve stimulators. Seizure: the Journal of the British Epilepsy Association, 2021, 92, 149-154.	0.9	3
149	Perceptions of illness severity in adults with drug-resistant temporal lobe epilepsy. Epilepsy and Behavior, 2020, 109, 107091.	0.9	6
151	MiR-153 regulates expression of hypoxia-inducible factor-1Î± in refractory epilepsy. Oncotarget, 2018, 9, 8542-8547.	0.8	20
152	EPO and EPO-Receptor System as Potential Actionable Mechanism for the Protection of Brain and Heart in Refractory Epilepsy and SUDEP. Current Pharmaceutical Design, 2020, 26, 1356-1364.	0.9	16
153	Correlation between ABCB1 gene polymorphisms, antiepileptic drug concentrations and treatment response. Romanian Journal of Laboratory Medicine, 2018, 26, 479-487.	0.1	5
154	Gut Bacterial Dysbiosis in Children with Intractable Epilepsy. Journal of Clinical Medicine, 2021, 10, 5.	1.0	29
155	Genetic variations associated with pharmacoresistant epilepsy (Review). Molecular Medicine Reports, 2020, 21, 1685-1701.	1.1	14
156	Genetic characteristics of non-familial epilepsy. PeerJ, 2019, 7, e8278.	0.9	15
157	Generation of induced pluripotent stem cell lines from peripheral blood mononuclear cells of three drug resistant and three drug responsive epilepsy patients. Stem Cell Research, 2021, 56, 102564.	0.3	0
158	Antiepileptika. , 2018, , 373-384.		0
161	THE EFFECT OF ANTIEPILEPTIC DRUGS ON CONVULSIV ACTIVITY ANDER CONDITIONS OF CORNEAL KINDLING IN MICE AND MODULATION OF THE ACTIVITY OF CYTOCHROME P450 ENZYMES. Bulletin of Problems Biology and Medicine, 2019, 2.1, 72.	0.0	0
162	Epilepsies: General Aspects. , 2019, , 1119-1141.		0
163	Konzept Pharmakoresistenz. , 2020, , 471-477.		0
164	New advances in pharmacoresistant epilepsy towards precise management-from prognosis to treatments. , 2022, 233, 108026.		17
165	Recent Advances in Nanocarrier-Based Brain-Targeted Drug Delivery for Effective Treatment of Central Nervous System Disorders. , 2020, , 187-203.		0

#	Article	IF	Citations
168	ANALYSIS OF CO-OCCURRENCE OF AUTISM SPECTRUM DISORDER WITH OTHER NEUROLOGICAL DISORDERS. Asian Journal of Pharmaceutical and Clinical Research, 0, , 69-72.	0.3	0
170	Highâ€mobility group box 1 as a predictive biomarker for drugâ€resistant epilepsy: A proofâ€ofâ€concept study. Epilepsia, 2022, 63, e1.	2.6	17
174	Combinatorial Regimen of Carbamazepine and Imipramine Exhibits Synergism against Grandmal Epilepsy in Rats: Inhibition of Pro-Inflammatory Cytokines and PI3K/Akt/mTOR Signaling Pathway. Pharmaceuticals, 2021, 14, 1204.	1.7	7
175	Machine Learning in Neuro-Oncology, Epilepsy, Alzheimerâ€™s Disease, and Schizophrenia. Acta Neurochirurgica Supplementum, 2022, 134, 349-361.	0.5	5
176	Spontaneous recurrent seizures in an intra-amygdala kainate microinjection model of temporal lobe epilepsy are differentially sensitive to antiseizure drugs. Experimental Neurology, 2022, 349, 113954.	2.0	14
177	Influence of protonation on the geometry of 2-{[(2,6-dimethylphenoxy)ethyl]amino}-1-phenylethan-1-ol: crystal structures of the free base and of its chloride and 3-hydroxybenzoate salt forms. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 14-22.	0.2	0
178	The effect of epilepsy surgery on productivity: A systematic review and metaâ€analysis. Epilepsia, 2022, , .	2.6	0
179	Human induced pluripotent stem cells generated from epilepsy patients for use as in vitro models for drug screening. Stem Cell Research, 2022, 60, 102673.	0.3	0
180	Emerging therapeutic targets for epilepsy: preclinical insights. Expert Opinion on Therapeutic Targets, 2022, 26, 193-206.	1.5	5
181	Biodegradable nanoparticles for the treatment of epilepsy: From current advances to future challenges. Epilepsia Open, 2022, 7, .	1.3	14
182	Drug Delivery Challenges in Brain Disorders across the Bloodâ€“Brain Barrier: Novel Methods and Future Considerations for Improved Therapy. Biomedicines, 2021, 9, 1834.	1.4	32
183	Evaluation of the effectiveness of methylphenidate and modafinil in the treatment of daily drowsiness in patients with refractory epilepsy and their comparison with the control group. American Journal of Neurodegenerative Disease, 2021, 10, 69-75.	0.1	1
184	Gamma camera imaging in epilepsy. , 2022, , .		0
185	The Electrophysiological Properties of Cortical Neurons in the Epileptic Foci of Children with Refractory Temporal Lobe Epilepsy. Journal of Evolutionary Biochemistry and Physiology, 2022, 58, 215-229.	0.2	0
186	Lab-on-Chip Microsystems for Ex Vivo Network of Neurons Studies: A Review. Frontiers in Bioengineering and Biotechnology, 2022, 10, 841389.	2.0	6
187	Gut Microbial Characteristics of Adult Patients With Epilepsy. Frontiers in Neuroscience, 2022, 16, 803538.	1.4	12
188	Effect of caffeine on the anticonvulsant action of pregabalin against electroconvulsions in mice. Pharmacological Reports, 2022, 74, 431-437.	1.5	2
189	Factors not considered in the study of drugâ€resistant epilepsy: Drugâ€resistant epilepsy: Assessment of neuroinflammation. Epilepsia Open, 2022, 7, .	1.3	7

#	Article	IF	Citations
190	A complex systems view on the current hypotheses of epilepsy pharmacoresistance. Epilepsia Open, 2022, 7, .	1.3	8
191	Emerging Trends in Neuromodulation for Treatment of Drug-Resistant Epilepsy. Frontiers in Pain Research, 2022, 3, 839463.	0.9	7
192	ABCG2, SCN1A and CYP3A5 genes polymorphism and drug-resistant epilepsy in children: A case-control study. Seizure: the Journal of the British Epilepsy Association, 2022, 97, 58-62.	0.9	6
193	Non-Coding RNAs: New Biomarkers and Therapeutic Targets for Temporal Lobe Epilepsy. International Journal of Molecular Sciences, 2022, 23, 3063.	1.8	8
194	Cadherins and the pathogenesis of epilepsy. Cell Biochemistry and Function, 2022, 40, 336-348.	1.4	5
196	Neferine, an Alkaloid from Lotus Seed Embryos, Exerts Antiseizure and Neuroprotective Effects in a Kainic Acid-Induced Seizure Model in Rats. International Journal of Molecular Sciences, 2022, 23, 4130.	1.8	11
197	Notopterygium incisum Root Extract (NRE) Alleviates Epileptiform Symptoms in PTZ-Induced Acute Seizure Mice. CNS and Neurological Disorders - Drug Targets, 2023, 22, 774-783.	0.8	0
198	Anti-inflammatory and neuroprotective effects of insulin-like growth factor-1 overexpression in pentylenetetrazole (PTZ)-induced mouse model of chronic epilepsy. Brain Research, 2022, 1785, 147881.	1.1	2
199	Saracatinib, a Src Tyrosine Kinase Inhibitor, as a Disease Modifier in the Rat DFP Model: Sex Differences, Neurobehavior, Gliosis, Neurodegeneration, and Nitro-Oxidative Stress. Antioxidants, 2022, 11, 61.	2.2	15
200	Design and evaluation of pharmacological properties of a new 1,3,4-thiadiazolylamide derivative of 2-propylpentanoic acid. Research Results in Pharmacology, 2023, 7, 89-98.	0.1	0
201	CfDNA Measurement as a Diagnostic Tool for the Detection of Brain Somatic Mutations in Refractory Epilepsy. International Journal of Molecular Sciences, 2022, 23, 4879.	1.8	2
202	Can Old Animals Reveal New Targets? The Aging and Degenerating Brain as a New Precision Medicine Opportunity for Epilepsy. Frontiers in Neurology, 2022, 13, 833624.	1.1	5
203	Drug therapy problems and predicting factors among ambulatory epileptic patients in Jimma Medical Center, Southwest Ethiopia. PLoS ONE, 2022, 17, e0267673.	1.1	2
204	Anticonvulsant Activity of trans-Anethole in Mice. BioMed Research International, 2022, 2022, 1-11.	0.9	4
205	Current Principles in the Management of Drug-Resistant Epilepsy. CNS Drugs, 2022, 36, 555-568.	2.7	6
206	Computational attributes of protein kinase-C gamma C2-domain & virtual screening for small molecules: elucidation from meta-dynamics simulations & free-energy calculations. Journal of Biomolecular Structure and Dynamics, 0, , 1-12.	2.0	2
207	Advancement in CRISPR/Cas9 Technology to Better Understand and Treat Neurological Disorders. Cellular and Molecular Neurobiology, 2023, 43, 1019-1035.	1.7	3
208	Neurostimulation as a Method of Treatment and a Preventive Measure in Canine Drug-Resistant Epilepsy: Current State and Future Prospects. Frontiers in Veterinary Science, 0, 9, .	0.9	4

#	Article	IF	Citations
209	New Phenylglycinamide Derivatives with Hybrid Structure as Candidates for New Broad-Spectrum Anticonvulsants. Cells, 2022, 11, 1862.	1.8	1
210	Dogs as a Natural Animal Model of Epilepsy. Frontiers in Veterinary Science, 0, 9, .	0.9	18
211	Paeonol exerts neuroprotective and anticonvulsant effects in intrahippocampal kainate model of temporal lobe epilepsy. Journal of Chemical Neuroanatomy, 2022, 124, 102121.	1.0	5
212	Removal of KCNQ2 from parvalbumin-expressing interneurons improves anti-seizure efficacy of retigabine. Experimental Neurology, 2022, 355, 114141.	2.0	6
213	Transporter Regulation in Critical Protective Barriers: Focus on Brain and Placenta. Pharmaceutics, 2022, 14, 1376.	2.0	9
214	Epilepsy in Cerebrovascular Diseases: A Narrative Review. Current Neuropharmacology, 2022, 20, .	1.4	1
215	Risk of hospitalization and death for <scp>COVID</scp>â€19 in persons with epilepsy over a 20â€month period: The <scp>EpiLink</scp> Bologna cohort, Italy. Epilepsia, 2022, 63, 2279-2289.	2.6	8
216	Single Cell Manipulation and Characterization Intended to Study Pathology of Neural Diseases. , 2022, , .		0
217	A Review on the Bioactivity of Cannabinoids on Zebrafish Models: Emphasis on Neurodevelopment. Biomedicines, 2022, 10, 1820.	1.4	5
218	Expedited epilepsy surgery prior to drug resistance in children: a frontier worth crossing?. Brain, 2022, 145, 3755-3762.	3.7	12
219	The Prevention and Reversal of a Phenytoin-Resistant Model by N-acetylcysteine Therapy Involves the Nrf2/P-Glycoprotein Pathway at the Bloodâ€“Brain Barrier. Journal of Molecular Neuroscience, 2022, 72, 2125-2135.	1.1	1
220	Efflux dynamics of the antiseizure drug, levetiracetam, through the P-glycoprotein channel revealed by advanced comparative molecular simulations. Scientific Reports, 2022, 12, .	1.6	9
221	Increased prevalence of minor physical anomalies in patients with epilepsy. Scientific Reports, 2022, 12, .	1.6	1
222	Next-Generation Personalized Medicine: Implementation of Variability Patterns for Overcoming Drug Resistance in Chronic Diseases. Journal of Personalized Medicine, 2022, 12, 1303.	1.1	16
223	Genetics of Dravet Syndrome and its Targeted Therapy by Nanomedicine: A Roadmap for Future Treatment of Drug Resistant Seizures. Current Molecular Pharmacology, 2023, 16, 475-493.	0.7	1
224	Dysfunction of ABC Transporters at the Surface of BBB: Potential Implications in Intractable Epilepsy and Applications of Nanotechnology Enabled Drug Delivery. Current Drug Metabolism, 2022, 23, 735-756.	0.7	5
225	Novel Phenobarbital-Loaded Nanostructured Lipid Carriers for Epilepsy Treatment: From QbD to In Vivo Evaluation. Frontiers in Chemistry, 0, 10, .	1.8	2
226	Investigation of chitosan, its depolymerized products, and nanoformulation as novel anticonvulsants. Egyptian Pharmaceutical Journal(Egypt), 2022, 21, 385.	0.1	0

#	Article	IF	Citations
227	Rutin prevents seizures in kainic acid-treated rats: evidence of glutamate levels, inflammation and neuronal loss modulation. Food and Function, 2022, 13, 10401-10414.	2.1	5
228	M2D2: Maximum-Mean-Discrepancy Decoder for Temporal Localization of Epileptic Brain Activities. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 202-214.	3.9	0
229	Multidimensional Early Prediction Score for Drug-Resistant Epilepsy. Journal of Clinical Neurology		

#	Article	IF	Citations
246	The antiinflammatory and electrophysiological effects of fingolimod on penicillin-induced rats. Arquivos De Neuro-Psiquiatria, 2022, 80, 1220-1226.	0.3	2
247	Role of Neurogenesis and Oxidative Stress in Epilepsy (Study on Plasma Brain Derived Neurotrophic) Tj ETQq1 1 0.784314 rgBT /Over 46-53.	0.1	0
248	Fighting Epilepsy with Nanomedicinesâ€"Is This the Right Weapon?. Pharmaceutics, 2023, 15, 306.	2.0	4
249	Modelling hyperexcitability in human cerebral cortical organoids: Oxygen/glucose deprivation most effective stimulant. Heliyon, 2023, 9, e14999.	1.4	2
250	Silencing of dentate gyrus inhibits mossy fiber sprouting and prevents epileptogenesis through NDR2 kinase in pentylenetetrazole kindling rat model of TLE. PLoS ONE, 2023, 18, e0284359.	1.1	0
251	CRISPR/Cas9 system and its applications in nervous system diseases. Genes and Diseases, 2023, , .	1.5	0
252	Implications of BCRP modulation on PTZ-induced seizures in mice: Role of ko143 and metformin as adjuvants to lamotrigine. Naunyn-Schmiedeberg's Archives of Pharmacology, 0, , .	1.4	0
253	Early identification of seizure freedom with medical treatment in patients with mesial temporal lobe epilepsy and hippocampal sclerosis. Journal of Neurology, 2023, 270, 2715-2723.	1.8	2
254	Frontline Sodium Channel-Blocking Antiseizure Medicine Use Promotes Future Onset of Drug-Resistant Chronic Seizures. International Journal of Molecular Sciences, 2023, 24, 4848.	1.8	1
255	Medial Pulvinar Stimulation in Temporal Lobe Epilepsy: A Literature Review and a Hypothesis Based on Neuroanatomical Findings. Cureus, 2023, , .	0.2	1
256	Ictal ECG-based assessment of sudden unexpected death in epilepsy. Frontiers in Neurology, 0, 14, .	1.1	1
257	Deregulation of Astroglial TASK-1 K+ Channel Decreases the Responsiveness to Perampanel-Induced AMPA Receptor Inhibition in Chronic Epilepsy Rats. International Journal of Molecular Sciences, 2023, 24, 5491.	1.8	0
258	ABCB1 and ABCG2 Regulation at the Blood-Brain Barrier: Potential New Targets to Improve Brain Drug Delivery. Pharmacological Reviews, 2023, 75, 815-853.	7.1	7
259	Advances in Epilepsy: Mechanisms, Clinical Trials, and Drug Therapies. Journal of Medicinal Chemistry, 2023, 66, 4434-4467.	2.9	11
260	Chinese Herbal Medicine Combined With Antiepileptic Drugs for Intractable Epilepsy: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Frontiers in Pharmacology, 0, 13, .	1.6	3
261	Removing artefacts and periodically retraining improve performance of neural network-based seizure prediction models. Scientific Reports, 2023, 13, .	1.6	4
278	Drug-Resistant Epilepsy and the Influence of Age, Gender, and Comorbid Disorders. , 2023, , 391-413.		0
279	Effects of Transcranial Focal Electrical Stimulation Via Concentric Ring Electrodes on Seizure Activity. , 2023, , 563-592.		0

#	Article	IF	Citations
280	On the Development of New Drugs for the Treatment of Drug-Resistant Epilepsy: An Update on Different Approaches to Different Hypotheses. , 2023, , 429-451.		0
281	GABAergic Neurotransmission Abnormalities in Pharmacoresistant Epilepsy: Experimental and Human Studies. , 2023, , 335-369.		0
282	Genes Involved in Pharmacoresistant Epilepsy. , 2023, , 371-389.		0
283	Seizures Induce Hypoxia, and Hypoxia Induces Seizures: A Perverse Relationship That Increases the Risk of Sudden Unexpected Death in Epilepsy (SUDEP). , 2023, , 207-237.		0
284	Transporter Hypothesis in Pharmacoresistant Epilepsies: Is it at the Central or Peripheral Level?. , 2023, , 85-107.		0
285	On Complexity and Emergence: Linking the Hypotheses of Pharmacoresistance in Epilepsy. , 2023, , 39-62.		0
286	Pharmacogenetics in Epilepsy and Refractory Epilepsy. , 2023, , 177-206.		0
314	Nanotechnological Drug Delivery Strategies in Epilepsy. , 2023, , 325-350.		0