

Wolfgang LÃ¶scher

List of Publications by Year in descending order

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Version: 2024-02-01

627
papers

42,755
citations

2098

100
h-index

4641

170
g-index

659
all docs

659
docs citations

659
times ranked

22797
citing authors

#	ARTICLE	IF	CITATIONS
1	New approaches for developing multi-targeted drug combinations for disease modification of complex brain disorders. Does epilepsy prevention become a realistic goal?. , 2022, 229, 107934.		19
2	The novel dual-mechanism Kv7 potassium channel/TSPO receptor activator GRT-X is more effective than the Kv7 channel opener retigabine in the 6-Hz refractory seizure mouse model. Neuropharmacology, 2022, 203, 108884.	2.0	7
3	CNS pharmacology of NKCC1 inhibitors. Neuropharmacology, 2022, 205, 108910.	2.0	31
4	Is P-Glycoprotein Functionally Expressed in the Limiting Membrane of Endolysosomes? A Biochemical and Ultrastructural Study in the Rat Liver. Cells, 2022, 11, 1556.	1.8	4
5	Molecular Mechanisms in the Genesis of Seizures and Epilepsy Associated With Viral Infection. Frontiers in Molecular Neuroscience, 2022, 15, .	1.4	13
6	Bumetanide for neonatal seizures: No light in the pharmacokinetic/dynamic tunnel. Epilepsia, 2022, 63, 1868-1873.	2.6	12
7	The search for brain-permeant NKCC1 inhibitors for the treatment of seizures: Pharmacokinetic-pharmacodynamic modelling of NKCC1 inhibition by azosemide, torasemide, and bumetanide in mouse brain. Epilepsy and Behavior, 2021, 114, 107616.	0.9	17
8	Systematic evaluation of rationally chosen multitargeted drug combinations: a combination of low doses of levetiracetam, atorvastatin and ceftriaxone exerts antiepileptogenic effects in a mouse model of acquired epilepsy. Neurobiology of Disease, 2021, 149, 105227.	2.1	10
9	Hydrolytic biotransformation of the bumetanide ester prodrug DIMAEB to bumetanide by esterases in neonatal human and rat serum and neonatal rat brainâ€”A new treatment strategy for neonatal seizures?. Epilepsia, 2021, 62, 269-278.	2.6	5
10	Phenobarbital and midazolam suppress neonatal seizures in a noninvasive rat model of birth asphyxia, whereas bumetanide is ineffective. Epilepsia, 2021, 62, 920-934.	2.6	34
11	Anticonvulsant Agents: Pharmacology and Biochemistry. , 2021, , 1-27.		0
12	The ups and downs of alkylâ€”carbamates in epilepsy therapy: How does cenobamate differ?. Epilepsia, 2021, 62, 596-614.	2.6	40
13	Effects of the NKCC1 inhibitors bumetanide, azosemide, and torasemide alone or in combination with phenobarbital on seizure threshold in epileptic and nonepileptic mice. Neuropharmacology, 2021, 185, 108449.	2.0	8
14	Reply to the commentary by Benâ€”Ari and Delpire: Bumetanide and neonatal seizures: Fiction versus reality. Epilepsia, 2021, 62, 941-946.	2.6	19
15	A combination of phenobarbital and the bumetanide derivative bumepamine prevents neonatal seizures and subsequent hippocampal neurodegeneration in a rat model of birth asphyxia. Epilepsia, 2021, 62, 1460-1471.	2.6	16
16	Antiepileptogenesis and disease modification: Progress, challenges, and the path forwardâ€”Report of the Preclinical Working Group of the 2018 NINDSâ€”sponsored antiepileptogenesis and disease modification workshop. Epilepsia Open, 2021, 6, 276-296.	1.3	24
17	Deletion of the Na-K-2Cl cotransporter NKCC1 results in a more severe epileptic phenotype in the intrahippocampal kainate mouse model of temporal lobe epilepsy. Neurobiology of Disease, 2021, 152, 105297.	2.1	11
18	The Pharmacology and Clinical Efficacy of Antiseizure Medications: From Bromide Salts to Cenobamate and Beyond. CNS Drugs, 2021, 35, 935-963.	2.7	108

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19	Similarities and differences in the localization, trafficking, and function of P-glycoprotein in MDR1-EGFP-transduced rat versus human brain capillary endothelial cell lines. <i>Fluids and Barriers of the CNS</i> , 2021, 18, 36.	2.4	5
20	Long-term outcome in a noninvasive rat model of birth asphyxia with neonatal seizures: Cognitive impairment, anxiety, epilepsy, and structural brain alterations. <i>Epilepsia</i> , 2021, 62, 2826-2844.	2.6	13
21	Scopolamine prevents aberrant mossy fiber sprouting and facilitates remission of epilepsy after brain injury. <i>Neurobiology of Disease</i> , 2021, 158, 105446.	2.1	6
22	Anticonvulsant Agents: Pharmacology and Biochemistry. , 2021, , 1-27.		0
23	Single-Target Versus Multi-Target Drugs Versus Combinations of Drugs With Multiple Targets: Preclinical and Clinical Evidence for the Treatment or Prevention of Epilepsy. <i>Frontiers in Pharmacology</i> , 2021, 12, 730257.	1.6	42
24	The holy grail of epilepsy prevention: Preclinical approaches to antiepileptogenic treatments. <i>Neuropharmacology</i> , 2020, 167, 107605.	2.0	94
25	Selective inhibition of mTORC1/2 or PI3K/mTORC1/2 signaling does not prevent or modify epilepsy in the intrahippocampal kainate mouse model. <i>Neuropharmacology</i> , 2020, 162, 107817.	2.0	16
26	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
27	In memoriam Dieter Schmidt. <i>Epilepsy and Behavior</i> , 2020, 103, 106583.	0.9	1
28	A face-to-face comparison of the intra-amygdala and intrahippocampal kainate mouse models of mesial temporal lobe epilepsy and their utility for testing novel therapies. <i>Epilepsia</i> , 2020, 61, 157-170.	2.6	30
29	The circadian dynamics of the hippocampal transcriptome and proteome is altered in experimental temporal lobe epilepsy. <i>Science Advances</i> , 2020, 6, .	4.7	50
30	Novel brain permeant mTORC1/2 inhibitors are as efficacious as rapamycin or everolimus in mouse models of acquired partial epilepsy and tuberous sclerosis complex. <i>Neuropharmacology</i> , 2020, 180, 108297.	2.0	23
31	Disruption of the sodium-dependent citrate transporter SLC13A5 in mice causes alterations in brain citrate levels and neuronal network excitability in the hippocampus. <i>Neurobiology of Disease</i> , 2020, 143, 105018.	2.1	30
32	Epilepsy and Alterations of the Blood-Brain Barrier: Cause or Consequence of Epileptic Seizures or Both?. <i>Handbook of Experimental Pharmacology</i> , 2020, , 1.	0.9	10
33	Novel Intrinsic Mechanisms of Active Drug Extrusion at the Blood-Brain Barrier: Potential Targets for Enhancing Drug Delivery to the Brain?. <i>Pharmaceutics</i> , 2020, 12, 966.	2.0	16
34	A face-to-face comparison of claudin-5 transduced human brain endothelial (hCMEC/D3) cells with porcine brain endothelial cells as blood-brain barrier models for drug transport studies. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 53.	2.4	19
35	4-(Difluoromethyl)-5-(4-((3 <i>R</i> ,5 <i>S</i>)-3,5-dimethylmorpholino)-6-((<i>R</i>)-3-methylmorpholino)-1,3,5-triazin-2-yl)pyridin-2-amine (PQR626), a Potent, Orally Available, and Brain-Penetrant mTOR Inhibitor for the Treatment of Neurological Disorders. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13595-13617.	2.9	17
36	Drug Resistance in Epilepsy: Clinical Impact, Potential Mechanisms, and New Innovative Treatment Options. <i>Pharmacological Reviews</i> , 2020, 72, 606-638.	7.1	360

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37	Repurposed molecules for antiepileptogenesis: Missing an opportunity to prevent epilepsy?. <i>Epilepsia</i> , 2020, 61, 359-386.	2.6	57
38	Lack of antidepressant effects of burst-suppressing isoflurane anesthesia in adult male Wistar outbred rats subjected to chronic mild stress. <i>PLoS ONE</i> , 2020, 15, e0235046.	1.1	6
39	Structural, Molecular, and Functional Alterations of the Blood-Brain Barrier during Epileptogenesis and Epilepsy: A Cause, Consequence, or Both?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 591.	1.8	130
40	The feast and famine: Epilepsy treatment and treatment gaps in early 21st century. <i>Neuropharmacology</i> , 2020, 170, 108055.	2.0	17
41	Consequences of housing conditions and interindividual diversity in rodent models of acquired epilepsy. <i>Epilepsia</i> , 2019, 60, 2016-2019.	2.6	1
42	Commonalities and differences in extracellular levels of hippocampal acetylcholine and amino acid neurotransmitters during status epilepticus and subsequent epileptogenesis in two rat models of temporal lobe epilepsy. <i>Brain Research</i> , 2019, 1712, 109-123.	1.1	16
43	Facets of Theiler's Murine Encephalomyelitis Virus-Induced Diseases: An Update. <i>International Journal of Molecular Sciences</i> , 2019, 20, 448.	1.8	52
44	Association of Piriform Cortex Resection With Surgical Outcomes in Patients With Temporal Lobe Epilepsy. <i>JAMA Neurology</i> , 2019, 76, 690.	4.5	69
45	Network pharmacology for antiepileptogenesis: Tolerability and neuroprotective effects of novel multitargeted combination treatments in nonepileptic vs. post-status epilepticus mice. <i>Epilepsy Research</i> , 2019, 151, 48-66.	0.8	16
46	High efficacy of rituximab for myasthenia gravis: a comprehensive nationwide study in Austria. <i>Journal of Neurology</i> , 2019, 266, 699-706.	1.8	56
47	Changes of dimension of EEG/ECOG nonlinear dynamics predict epileptogenesis and therapy outcomes. <i>Neurobiology of Disease</i> , 2019, 124, 373-378.	2.1	10
48	Evaluation of Associated Behavioral and Cognitive Deficits in Anticonvulsant Drug Testing. , 2019, , 171-192.		1
49	Rolle von Makrophagen von Mikroglia in der Entstehung von akuten Anfällen bei der murinen Theilervirusinfektion. <i>Tierärztliche Praxis Ausgabe K: Kleintiere - Heimtiere</i> , 2019, 47, .	0.3	0
50	P11 promoter methylation predicts the antidepressant effect of electroconvulsive therapy. <i>Translational Psychiatry</i> , 2018, 8, 25.	2.4	32
51	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , 2018, 59, 37-66.	2.6	206
52	Macrophage depletion by liposome-encapsulated clodronate suppresses seizures but not hippocampal damage after acute viral encephalitis. <i>Neurobiology of Disease</i> , 2018, 110, 192-205.	2.1	44
53	Bumepamine, a brain-permeant benzylamine derivative of bumetanide, does not inhibit NKCC1 but is more potent to enhance phenobarbital's anti-seizure efficacy. <i>Neuropharmacology</i> , 2018, 143, 186-204.	2.0	41
54	Mechanism of drug extrusion by brain endothelial cells via lysosomal drug trapping and disposal by neutrophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9590-E9599.	3.3	35

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55	Automated quantification of EEG spikes and spike clusters as a new read out in Theiler's virus mouse model of encephalitis-induced epilepsy. <i>Epilepsy and Behavior</i> , 2018, 88, 189-204.	0.9	20
56	Cerebral influx of Na ⁺ and Cl ⁻ as the osmotherapy-mediated rebound response in rats. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 27.	2.4	10
57	Humanization of the blood-brain barrier transporter ABCB1 in mice disrupts genomic locus "lessons from three unsuccessful approaches. <i>European Journal of Microbiology and Immunology</i> , 2018, 8, 78-86.	1.5	2
58	A companion to the preclinical common data elements for pharmacologic studies in animal models of seizures and epilepsy. A Report of the <sc>TASK</sc>3 Pharmacology Working Group of the <sc>ILAE</sc>/<sc>AES</sc> Joint Translational Task Force. <i>Epilepsia Open</i> , 2018, 3, 53-68.	1.3	30
59	Discovery and Preclinical Characterization of 5-[4,6-Bis({3-oxa-8-azabicyclo[3.2.1]octan-8-yl})-1,3,5-triazin-2-yl]-4-(difluoromethyl)pyridin-2-amine (PQR620), a Highly Potent and Selective mTORC1/2 Inhibitor for Cancer and Neurological Disorders. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10084-10105.	2.9	62
60	Microglia have a protective role in viral encephalitis-induced seizure development and hippocampal damage. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 186-204.	2.0	77
61	Anticonvulsant effects after grafting of rat, porcine, and human mesencephalic neural progenitor cells into the rat subthalamic nucleus. <i>Experimental Neurology</i> , 2018, 310, 70-83.	2.0	13
62	Chemokine receptors CCR2 and CX3CR1 regulate viral encephalitis-induced hippocampal damage but not seizures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8929-E8938.	3.3	47
63	Male offspring born to mildly ZIKV-infected mice are at risk of developing neurocognitive disorders in adulthood. <i>Nature Microbiology</i> , 2018, 3, 1161-1174.	5.9	24
64	Commentary on "The impact of nonadherence to antiseizure drugs on seizure outcomes in an animal model of epilepsy". <i>Epilepsia</i> , 2018, 59, 1093-1093.	2.6	2
65	Azosemide is more potent than bumetanide and various other loop diuretics to inhibit the sodium-potassium-chloride-cotransporter human variants hNKCC1A and hNKCC1B. <i>Scientific Reports</i> , 2018, 8, 9877.	1.6	31
66	The novel, catalytic mTORC1/2 inhibitor PQR620 and the PI3K/mTORC1/2 inhibitor PQR530 effectively cross the blood-brain barrier and increase seizure threshold in a mouse model of chronic epilepsy. <i>Neuropharmacology</i> , 2018, 140, 107-120.	2.0	64
67	Grey matter volume in healthy and epileptic beagles using voxel-based morphometry "a pilot study. <i>BMC Veterinary Research</i> , 2018, 14, 50.	0.7	7
68	Blood-brain Barrier Leakage during Early Epileptogenesis Is Associated with Rapid Remodeling of the Neurovascular Unit. <i>ENeuro</i> , 2018, 5, ENEURO.0123-18.2018.	0.9	45
69	Common data elements and data management: Remedy to cure underpowered preclinical studies. <i>Epilepsy Research</i> , 2017, 129, 87-90.	0.8	35
70	Various modifications of the intrahippocampal kainate model of mesial temporal lobe epilepsy in rats fail to resolve the marked rat-to-mouse differences in type and frequency of spontaneous seizures in this model. <i>Epilepsy and Behavior</i> , 2017, 68, 129-140.	0.9	16
71	Multiple blood-brain barrier transport mechanisms limit bumetanide accumulation, and therapeutic potential, in the mammalian brain. <i>Neuropharmacology</i> , 2017, 117, 182-194.	2.0	65
72	Gene therapy decreases seizures in a model of <i>Incontinentia pigmenti</i>. <i>Annals of Neurology</i> , 2017, 82, 93-104.	2.8	20

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73	The intrahippocampal kainate mouse model of mesial temporal lobe epilepsy: Lack of electrographic seizure-like events in sham controls. <i>Epilepsia Open</i> , 2017, 2, 180-187.	1.3	32
74	Animal Models of Seizures and Epilepsy: Past, Present, and Future Role for the Discovery of Antiseizure Drugs. <i>Neurochemical Research</i> , 2017, 42, 1873-1888.	1.6	250
75	Viral mouse models of multiple sclerosis and epilepsy: Marked differences in neuropathogenesis following infection with two naturally occurring variants of Theiler's virus BeAn strain. <i>Neurobiology of Disease</i> , 2017, 99, 121-132.	2.1	24
76	A combination of NMDA and AMPA receptor antagonists retards granule cell dispersion and epileptogenesis in a model of acquired epilepsy. <i>Scientific Reports</i> , 2017, 7, 12191.	1.6	30
77	Safety and efficacy of eculizumab in anti-acetylcholine receptor antibody-positive refractory generalised myasthenia gravis (REGAIN): a phase 3, randomised, double-blind, placebo-controlled, multicentre study. <i>Lancet Neurology</i> , The, 2017, 16, 976-986.	4.9	472
78	Neuroinflammatory targets and treatments for epilepsy validated in experimental models. <i>Epilepsia</i> , 2017, 58, 27-38.	2.6	131
79	Neuroinflammation in epileptogenesis: Insights and translational perspectives from new models of epilepsy. <i>Epilepsia</i> , 2017, 58, 39-47.	2.6	82
80	The relevance of inter- and intrastrain differences in mice and rats and their implications for models of seizures and epilepsy. <i>Epilepsy and Behavior</i> , 2017, 73, 214-235.	0.9	54
81	The Search for New Screening Models of Pharmacoresistant Epilepsy: Is Induction of Acute Seizures in Epileptic Rodents a Suitable Approach?. <i>Neurochemical Research</i> , 2017, 42, 1926-1938.	1.6	44
82	Strain Effects on Expression of Seizures and Epilepsy. , 2017, , 21-38.		3
83	Animal Models of Drug-Refractory Epilepsy. , 2017, , 743-760.		10
84	The bumetanide prodrug <scp>BUM</scp>5, but not bumetanide, potentiates the antiseizure effect of phenobarbital in adult epileptic mice. <i>Epilepsia</i> , 2016, 57, 698-705.	2.6	41
85	Clinical evaluation of a combination therapy of imepitoin with phenobarbital in dogs with refractory idiopathic epilepsy. <i>BMC Veterinary Research</i> , 2016, 13, 33.	0.7	13
86	The effects of carbamazepine in the intrahippocampal kainate model of temporal lobe epilepsy depend on seizure definition and mouse strain. <i>Epilepsia Open</i> , 2016, 1, 45-60.	1.3	30
87	P.4.017 Epigenetic alterations of the glia cell-derived neurotrophic factor and response to electroconvulsive stimulation. <i>European Neuropsychopharmacology</i> , 2016, 26, S99-S100.	0.3	0
88	Behavioral differences of male Wistar rats from different vendors in vulnerability and resilience to chronic mild stress are reflected in epigenetic regulation and expression of p11. <i>Brain Research</i> , 2016, 1642, 505-515.	1.1	32
89	Brain inflammation, neurodegeneration and seizure development following picornavirus infection markedly differ among virus and mouse strains and substrains. <i>Experimental Neurology</i> , 2016, 279, 57-74.	2.0	57
90	Evaluation of the pentylenetetrazole seizure threshold test in epileptic mice as surrogate model for drug testing against pharmacoresistant seizures. <i>Epilepsy and Behavior</i> , 2016, 57, 95-104.	0.9	16

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91	The search for NKCC1-selective drugs for the treatment of epilepsy: Structure–function relationship of bumetanide and various bumetanide derivatives in inhibiting the human cation-chloride cotransporter NKCC1A. <i>Epilepsy and Behavior</i> , 2016, 59, 42-49.	0.9	38
92	Fit for purpose application of currently existing animal models in the discovery of novel epilepsy therapies. <i>Epilepsy Research</i> , 2016, 126, 157-184.	0.8	127
93	Pilot PET Study to Assess the Functional Interplay Between ABCB1 and ABCG2 at the Human Blood–Brain Barrier. <i>Clinical Pharmacology and Therapeutics</i> , 2016, 100, 131-141.	2.3	50
94	Synaptic Vesicle Glycoprotein 2A Ligands in the Treatment of Epilepsy and Beyond. <i>CNS Drugs</i> , 2016, 30, 1055-1077.	2.7	119
95	Isoflurane prevents acquired epilepsy in rat models of temporal lobe epilepsy. <i>Annals of Neurology</i> , 2016, 80, 896-908.	2.8	56
96	Intercellular transfer of P-glycoprotein in human blood-brain barrier endothelial cells is increased by histone deacetylase inhibitors. <i>Scientific Reports</i> , 2016, 6, 29253.	1.6	17
97	Re-emergence of neuroinfectiology. <i>Acta Neuropathologica</i> , 2016, 131, 155-158.	3.9	4
98	Advances in the development of biomarkers for epilepsy. <i>Lancet Neurology</i> , The, 2016, 15, 843-856.	4.9	283
99	Knockout of P-glycoprotein does not alter antiepileptic drug efficacy in the intrahippocampal kainate model of mesial temporal lobe epilepsy in mice. <i>Neuropharmacology</i> , 2016, 109, 183-195.	2.0	46
100	Refinement of a model of acquired epilepsy for identification and validation of biomarkers of epileptogenesis in rats. <i>Epilepsy and Behavior</i> , 2016, 61, 120-131.	0.9	8
101	The pilocarpine model of temporal lobe epilepsy: Marked intrastrain differences in female Sprague–Dawley rats and the effect of estrous cycle. <i>Epilepsy and Behavior</i> , 2016, 61, 141-152.	0.9	23
102	Mechanisms of Action of Antiseizure Drugs and the Ketogenic Diet. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a022780.	2.9	233
103	Continuous bilateral infusion of vigabatrin into the subthalamic nucleus: Effects on seizure threshold and GABA metabolism in two rat models. <i>Neurobiology of Disease</i> , 2016, 91, 194-208.	2.1	17
104	2015 ACVIM Small Animal Consensus Statement on Seizure Management in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 477-490.	0.6	85
105	Significant effects of sex, strain, and anesthesia in the intrahippocampal kainate mouse model of mesial temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2016, 55, 47-56.	0.9	68
106	Single dose efficacy evaluation of two partial benzodiazepine receptor agonists in photosensitive epilepsy patients: A placebo-controlled pilot study. <i>Epilepsy Research</i> , 2016, 122, 30-36.	0.8	19
107	Infections, inflammation and epilepsy. <i>Acta Neuropathologica</i> , 2016, 131, 211-234.	3.9	348
108	Structure–activity relationships of bumetanide derivatives: correlation between diuretic activity in dogs and inhibition of the human NKCC2 transporter. <i>British Journal of Pharmacology</i> , 2015, 172, 4469-4480.	2.7	14

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109	Efficacy, safety, and tolerability of imepitoin in dogs with newly diagnosed epilepsy in a randomized controlled clinical study with long-term follow up. <i>BMC Veterinary Research</i> , 2015, 11, 228.	0.7	27
110	Antiepileptic Drug Withdrawal in Dogs with Epilepsy. <i>Frontiers in Veterinary Science</i> , 2015, 2, 23.	0.9	10
111	Effective termination of status epilepticus by rational polypharmacy in the lithium-pilocarpine model in rats: Window of opportunity to prevent epilepsy and prediction of epilepsy by biomarkers. <i>Neurobiology of Disease</i> , 2015, 75, 78-90.	2.1	66
112	The antiepileptic drug lamotrigine is a substrate of mouse and human breast cancer resistance protein (ABCG2). <i>Neuropharmacology</i> , 2015, 93, 7-14.	2.0	68
113	Factors Governing P-Glycoprotein-Mediated Drug-Drug Interactions at the Blood-Brain Barrier Measured with Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2015, 12, 3214-3225.	2.3	39
114	The AMPA receptor antagonist NBQX exerts anti-seizure but not antiepileptogenic effects in the intrahippocampal kainate mouse model of mesial temporal lobe epilepsy. <i>Neuropharmacology</i> , 2015, 95, 234-242.	2.0	57
115	Single versus combinatorial therapies in status epilepticus: Novel data from preclinical models. <i>Epilepsy and Behavior</i> , 2015, 49, 20-25.	0.9	49
116	Pilocarpine-Induced Convulsive Activity Is Limited by Multidrug Transporters at the Rodent Blood-Brain Barrier. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 353, 351-359.	1.3	13
117	The enigma of the latent period in the development of symptomatic acquired epilepsy – Traditional view versus new concepts. <i>Epilepsy and Behavior</i> , 2015, 52, 78-92.	0.9	67
118	International Veterinary Epilepsy Task Force consensus proposal: medical treatment of canine epilepsy in Europe. <i>BMC Veterinary Research</i> , 2015, 11, 176.	0.7	115
119	Clinical efficacy and safety of imepitoin in comparison with phenobarbital for the control of idiopathic epilepsy in dogs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015, 38, 160-168.	0.6	51
120	International veterinary epilepsy task force consensus proposal: outcome of therapeutic interventions in canine and feline epilepsy. <i>BMC Veterinary Research</i> , 2015, 11, 177.	0.7	61
121	Brain endothelial TAK1 and NEMO safeguard the neurovascular unit. <i>Journal of Experimental Medicine</i> , 2015, 212, 1529-1549.	4.2	65
122	Novel combinations of phenotypic biomarkers predict development of epilepsy in the lithium-pilocarpine model of temporal lobe epilepsy in rats. <i>Epilepsy and Behavior</i> , 2015, 53, 98-107.	0.9	25
123	Network pharmacology for antiepileptogenesis: Tolerability of multitargeted drug combinations in nonepileptic vs. post-status epilepticus mice. <i>Epilepsy Research</i> , 2015, 118, 34-48.	0.8	29
124	Inter-individual variation in the effect of antiepileptic drugs in the intrahippocampal kainate model of mesial temporal lobe epilepsy in mice. <i>Neuropharmacology</i> , 2015, 90, 53-62.	2.0	87
125	The organic anion transport inhibitor probenecid increases brain concentrations of the NKCC1 inhibitor bumetanide. <i>European Journal of Pharmacology</i> , 2015, 746, 167-173.	1.7	48
126	Bumetanide is not capable of terminating status epilepticus but enhances phenobarbital efficacy in different rat models. <i>European Journal of Pharmacology</i> , 2015, 746, 78-88.	1.7	15

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127	Sucrose consumption test reveals pharmacoresistant depression-associated behavior in two mouse models of temporal lobe epilepsy. <i>Experimental Neurology</i> , 2015, 263, 263-271.	2.0	52
128	Brain endothelial TAK1 and NEMO safeguard the neurovascular unit. <i>Journal of Cell Biology</i> , 2015, 210, 2106OIA179.	2.3	0
129	Drug-Induced Trafficking of P-Glycoprotein in Human Brain Capillary Endothelial Cells as Demonstrated by Exposure to Mitomycin C. <i>PLoS ONE</i> , 2014, 9, e88154.	1.1	34
130	Low doses of ethanol markedly potentiate the anti-seizure effect of diazepam in a mouse model of difficult-to-treat focal seizures. <i>Epilepsy Research</i> , 2014, 108, 1719-1727.	0.8	12
131	A novel prodrug-based strategy to increase effects of bumetanide in epilepsy. <i>Annals of Neurology</i> , 2014, 75, 550-562.	2.8	96
132	A new method to model electroconvulsive therapy in rats with increased construct validity and enhanced translational value. <i>Journal of Psychiatric Research</i> , 2014, 53, 94-98.	1.5	8
133	The Pharmacology of Imepitoin: The First Partial Benzodiazepine Receptor Agonist Developed for the Treatment of Epilepsy. <i>CNS Drugs</i> , 2014, 28, 29-43.	2.7	61
134	Searching for the Ideal Antiepileptogenic Agent in Experimental Models: Single Treatment Versus Combinatorial Treatment Strategies. <i>Neurotherapeutics</i> , 2014, 11, 373-384.	2.1	74
135	Marked Differences in the Effect of Antiepileptic and Cytostatic Drugs on the Functionality of P-Glycoprotein in Human and Rat Brain Capillary Endothelial Cell Lines. <i>Pharmaceutical Research</i> , 2014, 31, 1588-1604.	1.7	21
136	Consequences of inhibition of bumetanide metabolism in rodents on brain penetration and effects of bumetanide in chronic models of epilepsy. <i>European Journal of Neuroscience</i> , 2014, 39, 673-687.	1.2	49
137	What New Modeling Approaches Will Help Us Identify Promising Drug Treatments?. <i>Advances in Experimental Medicine and Biology</i> , 2014, 813, 283-294.	0.8	26
138	Prolonged depth electrode implantation in the limbic system increases the severity of status epilepticus in rats. <i>Epilepsy Research</i> , 2014, 108, 802-805.	0.8	10
139	Antiepileptic efficacy of lamotrigine in phenobarbital-resistant and -responsive epileptic rats: A pilot study. <i>Epilepsy Research</i> , 2014, 108, 1145-1157.	0.8	39
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559	Hippocampal glutamate decarboxylase activity is not altered in gerbils with high seizure susceptibility. <i>Biochemical Pharmacology</i> , 1987, 36, 979-982.	2.0	9
560	Postictal refractoriness associated with reduction of glutamic acid decarboxylase in discrete brain regions in epilepsy-prone gerbils. <i>Biochemical Pharmacology</i> , 1987, 36, 2695-2699.	2.0	5
561	Further evidence for abnormal GABAergic circuits in amygdala-kindled rats. <i>Brain Research</i> , 1987, 420, 385-390.	1.1	93
562	Effect of microinjections of $\hat{1}^3$ -vinyl GABA or isoniazid into substantia nigra on the development of amygdala kindling in rats. <i>Experimental Neurology</i> , 1987, 95, 622-638.	2.0	61
563	Effects of aminophylline and enprofylline on the protective activity of phenobarbital against amygdala-kindled seizures in rats. <i>Epilepsy Research</i> , 1987, 1, 234-238.	0.8	29
564	Comparison of drugs with different selectivity for central $\hat{1}^1$ - and $\hat{1}^2$ -adrenoceptors in animal models of epilepsy. <i>Epilepsy Research</i> , 1987, 1, 165-172.	0.8	48
565	Diazepam Increases $\hat{1}$ -Aminobutyric Acid in Human Cerebrospinal Fluid. <i>Journal of Neurochemistry</i> , 1987, 49, 152-157.	2.1	28
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568	Studies on the involvement of dopamine D-1 and D-2 receptors in the anticonvulsant effect of dopamine agonists in various rodent models of epilepsy. <i>European Journal of Pharmacology</i> , 1986, 128, 55-65.	1.7	107
569	AE Mice: An Inbred Mouse Strain with Interesting Features for Epilepsy Research. <i>Epilepsia</i> , 1986, 27, 657-664.	2.6	11
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571	Development of tolerance to the anticonvulsant effect of GABA-mimetic drugs in genetically epilepsy-prone gerbils. <i>Pharmacology Biochemistry and Behavior</i> , 1986, 24, 1007-1013.	1.3	27
572	Cerebrospinal Fluid $\hat{1}^3$ -Aminobutyric Acid Levels in Children with Different Types of Epilepsy: Effect of Anticonvulsant Treatment. <i>Epilepsia</i> , 1985, 26, 314-319.	2.6	86
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576	Valproic acid and active unsaturated metabolite (2-EN): Transfer to mouse liver following human therapeutic doses. <i>Biopharmaceutics and Drug Disposition</i> , 1985, 6, 1-8.	1.1	11

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