

Michael A Rogawski

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199
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70
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#	Paper	IF	Citations
199	D-serine is an endogenous ligand for the glycine site of the N-methyl-D-aspartate receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4926-31	11.5	906
198	The neurobiology of antiepileptic drugs. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 553-64	13.5	878
197	Glia and epilepsy: excitability and inflammation. <i>Trends in Neurosciences</i> , 2013 , 36, 174-84	13.3	461
196	The neurobiology of antiepileptic drugs for the treatment of nonepileptic conditions. <i>Nature Medicine</i> , 2004 , 10, 685-92	50.5	373
195	Molecular targets for antiepileptic drug development. <i>Neurotherapeutics</i> , 2007 , 4, 18-61	6.4	357
194	Adjunctive perampanel for refractory partial-onset seizures: randomized phase III study 304. <i>Neurology</i> , 2012 , 79, 589-96	6.5	348
193	Colchicine myopathy and neuropathy. <i>New England Journal of Medicine</i> , 1987 , 316, 1562-8	59.2	341
192	GYKI 52466, a 2,3-benzodiazepine, is a highly selective, noncompetitive antagonist of AMPA/kainate receptor responses. <i>Neuron</i> , 1993 , 10, 51-9	13.9	318
191	Neuroprotective and disease-modifying effects of the ketogenic diet. <i>Behavioural Pharmacology</i> , 2006 , 17, 431-9	2.4	310
190	The A-current: how ubiquitous a feature of excitable cells is it?. <i>Trends in Neurosciences</i> , 1985 , 8, 214-219	13.3	291
189	Diverse mechanisms of antiepileptic drugs in the development pipeline. <i>Epilepsy Research</i> , 2006 , 69, 273-94	3.94	275
188	Therapeutic potential of excitatory amino acid antagonists: channel blockers and 2,3-benzodiazepines. <i>Trends in Pharmacological Sciences</i> , 1993 , 14, 325-31	13.2	269
187	The neuropharmacological basis for the use of memantine in the treatment of Alzheimer's disease. <i>CNS Neuroscience & Therapeutics</i> , 2003 , 9, 275-308		256
186	Revisiting AMPA receptors as an antiepileptic drug target. <i>Epilepsy Currents</i> , 2011 , 11, 56-63	1.3	231
185	Stress-induced deoxycorticosterone-derived neurosteroids modulate GABA(A) receptor function and seizure susceptibility. <i>Journal of Neuroscience</i> , 2002 , 22, 3795-805	6.6	225
184	The neuropharmacology of the ketogenic diet. <i>Pediatric Neurology</i> , 2007 , 36, 281-92	2.9	222
183	Intracellular polyamines mediate inward rectification of Ca(2+)-permeable alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 9298-302	11.5	197

182	Mechanism of action of the anticonvulsant felbamate: opposing effects on N-methyl-D-aspartate and gamma-aminobutyric acidA receptors. <i>Annals of Neurology</i> , 1994 , 35, 229-34	9.4	187
181	Modulation of lateral geniculate neurone excitability by noradrenaline microiontophoresis or locus coeruleus stimulation. <i>Nature</i> , 1980 , 287, 731-4	50.4	183
180	Selective antagonism of GluR5 kainate-receptor-mediated synaptic currents by topiramate in rat basolateral amygdala neurons. <i>Journal of Neuroscience</i> , 2003 , 23, 7069-74	6.6	172
179	Clinical spectrum of succinic semialdehyde dehydrogenase deficiency. <i>Neurology</i> , 2003 , 60, 1413-7	6.5	161
178	Mechanisms of Action of Antiseizure Drugs and the Ketogenic Diet. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016 , 6,	5.4	153
177	Preclinical pharmacology of perampanel, a selective non-competitive AMPA receptor antagonist. <i>Acta Neurologica Scandinavica</i> , 2013 , 127, 19-24	3.8	152
176	AMPA receptors as a molecular target in epilepsy therapy. <i>Acta Neurologica Scandinavica</i> , 2013 , 127, 9-18	3.8	148
175	Allopregnanolone analogs that positively modulate GABA receptors protect against partial seizures induced by 6-Hz electrical stimulation in mice. <i>Epilepsia</i> , 2004 , 45, 864-7	6.4	145
174	Pregnenolone sulfate augments NMDA receptor mediated increases in intracellular Ca ²⁺ in cultured rat hippocampal neurons. <i>Neuroscience Letters</i> , 1992 , 141, 30-4	3.3	143
173	Effects of anticonvulsant drugs on 4-aminopyridine-induced seizures in mice. <i>Epilepsy Research</i> , 1992 , 11, 9-16	3	141
172	Evidence for the involvement of the kainate receptor subunit GluR6 (GRIK2) in mediating behavioral displays related to behavioral symptoms of mania. <i>Molecular Psychiatry</i> , 2008 , 13, 858-72	15.1	137
171	Anticonvulsant activity of progesterone and neurosteroids in progesterone receptor knockout mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 310, 230-9	4.7	137
170	Direct activation of GABA _A receptors by barbiturates in cultured rat hippocampal neurons. <i>Journal of Physiology</i> , 1996 , 497 (Pt 2), 509-22	3.9	137
169	Neuroactive steroids protect against pilocarpine- and kainic acid-induced limbic seizures and status epilepticus in mice. <i>Neuropharmacology</i> , 1996 , 35, 1049-56	5.5	134
168	The NMDA receptor, NMDA antagonists and epilepsy therapy. A status report. <i>Drugs</i> , 1992 , 44, 279-92	12.1	134
167	Anticonvulsant activity of AMPA/kainate antagonists: comparison of GYKI 52466 and NBOX in maximal electroshock and chemoconvulsant seizure models. <i>Epilepsy Research</i> , 1993 , 15, 179-84	3	127
166	A model of the T-type calcium current and the low-threshold spike in thalamic neurons. <i>Journal of Neurophysiology</i> , 1991 , 66, 839-50	3.2	126
165	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , 2018 , 59, 37-66	6.4	123

164	Anxiolytic activity of progesterone in progesterone receptor knockout mice. <i>Neuropharmacology</i> , 2005 , 48, 14-24	5.5	122
163	Molecular targets versus models for new antiepileptic drug discovery. <i>Epilepsy Research</i> , 2006 , 68, 22-8	3	117
162	Neurosteroid withdrawal model of perimenstrual catamenial epilepsy. <i>Epilepsia</i> , 2001 , 42, 328-36	6.4	115
161	KCNQ2/KCNQ3 K ⁺ channels and the molecular pathogenesis of epilepsy: implications for therapy. <i>Trends in Neurosciences</i> , 2000 , 23, 393-8	13.3	115
160	Norepinephrine and serotonin: opposite effects on the activity of lateral geniculate neurons evoked by optic pathway stimulation. <i>Experimental Neurology</i> , 1980 , 69, 678-94	5.7	115
159	Current understanding of the mechanism of action of the antiepileptic drug lacosamide. <i>Epilepsy Research</i> , 2015 , 110, 189-205	3	114
158	How theories evolved concerning the mechanism of action of barbiturates. <i>Epilepsia</i> , 2012 , 53 Suppl 8, 12-25	6.4	114
157	Anandamide, an endogenous cannabinoid, inhibits Shaker-related voltage-gated K ⁺ channels. <i>Neuropharmacology</i> , 1996 , 35, 983-91	5.5	111
156	Neuroactive steroids for the treatment of status epilepticus. <i>Epilepsia</i> , 2013 , 54 Suppl 6, 93-8	6.4	109
155	Neurosteroid replacement therapy for catamenial epilepsy. <i>Neurotherapeutics</i> , 2009 , 6, 392-401	6.4	107
154	Intrinsic severity as a determinant of antiepileptic drug refractoriness. <i>Epilepsy Currents</i> , 2008 , 8, 127-30	1.3	106
153	Bidirectional synaptic plasticity in the rat basolateral amygdala: characterization of an activity-dependent switch sensitive to the presynaptic metabotropic glutamate receptor antagonist 2S-alpha-ethylglutamic acid. <i>Journal of Neuroscience</i> , 1998 , 18, 1662-70	6.6	103
152	Mechanisms of action of currently used antiseizure drugs. <i>Neuropharmacology</i> , 2020 , 168, 107966	5.5	102
151	Activation of lateral geniculate neurons by norepinephrine: mediation by an alpha-adrenergic receptor. <i>Brain Research</i> , 1980 , 182, 345-59	3.7	100
150	Activation of lateral geniculate neurons by locus coeruleus or dorsal noradrenergic bundle stimulation: selective blockade by the alpha 1-adrenoceptor antagonist prazosin. <i>Brain Research</i> , 1982 , 250, 31-9	3.7	100
149	Low affinity channel blocking (uncompetitive) NMDA receptor antagonists as therapeutic agents--toward an understanding of their favorable tolerability. <i>Amino Acids</i> , 2000 , 19, 133-49	3.5	98
148	Topiramate selectively protects against seizures induced by ATPA, a GluR5 kainate receptor agonist. <i>Neuropharmacology</i> , 2004 , 46, 1097-104	5.5	96
147	Kainate receptor-mediated heterosynaptic facilitation in the amygdala. <i>Nature Neuroscience</i> , 2001 , 4, 612-20	25.5	94

146	Effects of 4-aminopyridine on calcium action potentials and calcium current under voltage clamp in spinal neurons. <i>Brain Research</i> , 1983 , 280, 180-5	3.7	93
145	Enhanced anticonvulsant activity of neuroactive steroids in a rat model of catamenial epilepsy. <i>Epilepsia</i> , 2001 , 42, 337-44	6.4	92
144	Pediatric super-refractory status epilepticus treated with allopregnanolone. <i>Annals of Neurology</i> , 2014 , 76, 911-5	9.4	91
143	GluR5 kainate receptor mediated synaptic transmission in rat basolateral amygdala in vitro. <i>Neuropharmacology</i> , 1998 , 37, 1279-86	5.5	91
142	Common pathophysiologic mechanisms in migraine and epilepsy. <i>Archives of Neurology</i> , 2008 , 65, 709-14		88
141	Tetrahydroaminoacridine blocks voltage-dependent ion channels in hippocampal neurons. <i>European Journal of Pharmacology</i> , 1987 , 142, 169-72	5.3	87
140	Anticonvulsant activity of androsterone and etiocholanolone. <i>Epilepsia</i> , 2005 , 46, 819-27	6.4	82
139	Future directions for epilepsy research. <i>Neurology</i> , 2001 , 57, 1536-42	6.5	81
138	Adult murine skeletal muscle contains cells that can differentiate into beating cardiomyocytes in vitro. <i>PLoS Biology</i> , 2005 , 3, e87	9.7	79
137	Clustered burst firing in FMR1 premutation hippocampal neurons: amelioration with allopregnanolone. <i>Human Molecular Genetics</i> , 2012 , 21, 2923-35	5.6	77
136	New molecular targets for antiepileptic drugs: alpha(2)delta, SV2A, and K(v)7/KCNQ/M potassium channels. <i>Current Neurology and Neuroscience Reports</i> , 2008 , 8, 345-52	6.6	75
135	Generalized epileptic disorders: an update. <i>Epilepsia</i> , 2001 , 42, 445-57	6.4	75
134	Response of central monoaminergic neurons to lisuride: comparison with LSD. <i>Life Sciences</i> , 1979 , 24, 1289-97	6.8	73
133	Blood-brain barrier dysfunction in aging induces hyperactivation of TGF β signaling and chronic yet reversible neural dysfunction. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	72
132	Cerebellar ataxia, seizures, premature death, and cardiac abnormalities in mice with targeted disruption of the <i>Cacna2d2</i> gene. <i>American Journal of Pathology</i> , 2004 , 165, 1007-18	5.8	71
131	Convection-enhanced delivery in the treatment of epilepsy. <i>Neurotherapeutics</i> , 2009 , 6, 344-51	6.4	70
130	Felbamate block of recombinant N-methyl-D-aspartate receptors: selectivity for the NR2B subunit. <i>Epilepsy Research</i> , 2000 , 39, 47-55	3	70
129	Ganaxolone suppression of behavioral and electrographic seizures in the mouse amygdala kindling model. <i>Epilepsy Research</i> , 2010 , 89, 254-60	3	67

128	The intrinsic severity hypothesis of pharmacoresistance to antiepileptic drugs. <i>Epilepsia</i> , 2013 , 54 Suppl 2, 33-40	6.4	66
127	The potential of antiseizure drugs and agents that act on novel molecular targets as antiepileptogenic treatments. <i>Neurotherapeutics</i> , 2014 , 11, 385-400	6.4	65
126	Docosahexaenoic acid block of neuronal voltage-gated K ⁺ channels: subunit selective antagonism by zinc. <i>Neuropharmacology</i> , 1996 , 35, 969-82	5.5	62
125	New strategies for the identification of drugs to prevent the development or progression of epilepsy. <i>Epilepsy Research</i> , 2002 , 50, 71-8	3	60
124	Issues related to development of new antiseizure treatments. <i>Epilepsia</i> , 2013 , 54 Suppl 4, 24-34	6.4	59
123	Endogenous neurosteroids modulate epileptogenesis in a model of temporal lobe epilepsy. <i>Experimental Neurology</i> , 2006 , 201, 519-24	5.7	59
122	Convulsant actions of the neurosteroid pregnenolone sulfate in mice. <i>Brain Research</i> , 1999 , 831, 119-24	3.7	56
121	The anticonvulsant activity of acetone, the major ketone body in the ketogenic diet, is not dependent on its metabolites acetol, 1,2-propanediol, methylglyoxal, or pyruvic acid. <i>Epilepsia</i> , 2007 , 48, 793-800	6.4	55
120	Topiramate reduces excitability in the basolateral amygdala by selectively inhibiting GluK1 (GluR5) kainate receptors on interneurons and positively modulating GABA _A receptors on principal neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 330, 558-66	4.7	54
119	Update on the neurobiology of alcohol withdrawal seizures. <i>Epilepsy Currents</i> , 2005 , 5, 225-30	1.3	54
118	Brivaracetam: a rational drug discovery success story. <i>British Journal of Pharmacology</i> , 2008 , 154, 1555-78.6		53
117	Melatonin: deacetylation to 5-methoxytryptamine by liver but not brain aryl acylamidase. <i>Journal of Neurochemistry</i> , 1979 , 32, 1219-26	6	53
116	Treatment of infantile spasms: emerging insights from clinical and basic science perspectives. <i>Journal of Child Neurology</i> , 2011 , 26, 1411-21	2.5	52
115	Dizocilpine-like discriminative stimulus effects of low-affinity uncompetitive NMDA antagonists. <i>Neuropharmacology</i> , 1996 , 35, 1709-19	5.5	52
114	GluR5 kainate receptors, seizures, and the amygdala. <i>Annals of the New York Academy of Sciences</i> , 2003 , 985, 150-62	6.5	51
113	Epoxy fatty acids and inhibition of the soluble epoxide hydrolase selectively modulate GABA mediated neurotransmission to delay onset of seizures. <i>PLoS ONE</i> , 2013 , 8, e80922	3.7	50
112	Treatment of early and late kainic acid-induced status epilepticus with the noncompetitive AMPA receptor antagonist GYKI 52466. <i>Epilepsia</i> , 2010 , 51, 108-17	6.4	50
111	Role of AMPA and GluR5 kainate receptors in the development and expression of amygdala kindling in the mouse. <i>Neuropharmacology</i> , 2001 , 40, 28-35	5.5	49

110	New antiepileptic drugs: from serendipity to rational discovery. <i>Epilepsia</i> , 1992 , 33 Suppl 1, S1-6	6.4	47
109	Anticonvulsant and proconvulsant actions of 2-deoxy-D-glucose. <i>Epilepsia</i> , 2010 , 51, 1385-94	6.4	45
108	Mechanisms of action of antiseizure drugs. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2012 , 108, 663-81	3	44
107	Neurosteroids and epileptogenesis in the pilocarpine model: evidence for a relationship between P450scc induction and length of the latent period. <i>Epilepsia</i> , 2009 , 50 Suppl 1, 53-8	6.4	44
106	Induction of seizures by the potent K ⁺ channel-blocking scorpion venom peptide toxins tityustoxin-K(alpha) and pandinustoxin-K(alpha). <i>Epilepsy Research</i> , 1999 , 34, 177-86	3	44
105	Cholecystokinin octapeptide: effects on the excitability of cultured spinal neurons. <i>Peptides</i> , 1982 , 3, 545-51	3.8	43
104	Pathological alterations in GABAergic interneurons and reduced tonic inhibition in the basolateral amygdala during epileptogenesis. <i>Neuroscience</i> , 2009 , 163, 415-29	3.9	42
103	Efficacy of the ketogenic diet in the 6-Hz seizure test. <i>Epilepsia</i> , 2008 , 49, 334-9	6.4	42
102	Termination of epileptiform activity by cooling in rat hippocampal slice epilepsy models. <i>Epilepsy Research</i> , 2006 , 70, 200-10	3	42
101	Charybdotoxin, dendrotoxin and mast cell degranulating peptide block the voltage-activated K ⁺ current of fibroblast cells stably transfected with NGK1 (Kv1.2) K ⁺ channel complementary DNA. <i>Neuroscience</i> , 1992 , 50, 935-46	3.9	42
100	Synthesis and anticonvulsant activity of 1-phenylcyclohexylamine analogues. <i>Journal of Medicinal Chemistry</i> , 1990 , 33, 1452-8	8.3	42
99	High concentrations of neutral amino acids activate NMDA receptor currents in rat hippocampal neurons. <i>Neuroscience Letters</i> , 1992 , 141, 97-100	3.3	41
98	Tetramethylenedisulfotetramine alters Ca ²⁺ dynamics in cultured hippocampal neurons: mitigation by NMDA receptor blockade and GABA(A) receptor-positive modulation. <i>Toxicological Sciences</i> , 2012 , 130, 362-72	4.4	38
97	Neurosteroids and infantile spasms: the deoxycorticosterone hypothesis. <i>International Review of Neurobiology</i> , 2002 , 49, 199-219	4.4	38
96	Ibogaïne block of the NMDA receptor: in vitro and in vivo studies. <i>Neuropharmacology</i> , 1996 , 35, 423-31	5.5	37
95	Persistent behavior deficits, neuroinflammation, and oxidative stress in a rat model of acute organophosphate intoxication. <i>Neurobiology of Disease</i> , 2020 , 133, 104431	7.5	37
94	Epilepsy therapy development: technical and methodologic issues in studies with animal models. <i>Epilepsia</i> , 2013 , 54 Suppl 4, 13-23	6.4	36
93	Characterization of seizures induced by acute and repeated exposure to tetramethylenedisulfotetramine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 341, 435-46	4.7	36

92	Prolonged attenuation of amygdala-kindled seizure measures in rats by convection-enhanced delivery of the N-type calcium channel antagonists omega-conotoxin GVIA and omega-conotoxin MVIIA. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 323, 458-68	4.7	35
91	Effects of D1 and D2 dopamine receptor antagonists and catecholamine depleting agents on the locomotor stimulation induced by dizocilpine in mice. <i>Behavioural Brain Research</i> , 1995 , 70, 145-51	3.4	34
90	Allosteric regulation of alpha-amino-3-hydroxy-5-methyl-4-isoxazole-propionate receptors by thiocyanate and cyclothiazide at a common modulatory site distinct from that of 2,3-benzodiazepines. <i>Neuroscience</i> , 1998 , 87, 615-29	3.9	33
89	Effects of neurosteroids on epileptiform activity induced by picrotoxin and 4-aminopyridine in the rat hippocampal slice. <i>Epilepsy Research</i> , 2003 , 55, 71-82	3	33
88	Input-specific LTP and depotentiation in the basolateral amygdala. <i>NeuroReport</i> , 2001 , 12, 635-40	1.7	33
87	Neurosteroids Endogenous Regulators of Seizure Susceptibility and Role in the Treatment of Epilepsy 2012 , 984-1002		33
86	Transcriptional profile of hippocampal dentate granule cells in four rat epilepsy models. <i>Scientific Data</i> , 2017 , 4, 170061	8.2	32
85	First-in-man allopregnanolone use in super-refractory status epilepticus. <i>Annals of Clinical and Translational Neurology</i> , 2017 , 4, 411-414	5.3	32
84	Evaluation of the neuroactive steroid ganaxolone on social and repetitive behaviors in the BTBR mouse model of autism. <i>Psychopharmacology</i> , 2016 , 233, 309-23	4.7	32
83	Is a separate monotherapy indication warranted for antiepileptic drugs?. <i>Lancet Neurology</i> , 2015 , 14, 1229-40	24.1	30
82	Perampanel inhibition of AMPA receptor currents in cultured hippocampal neurons. <i>PLoS ONE</i> , 2014 , 9, e108021	3.7	30
81	Protection against dendrotoxin-induced clonic seizures in mice by anticonvulsant drugs. <i>Brain Research</i> , 1992 , 575, 138-42	3.7	30
80	The pheromone androstenol (5 alpha-androst-16-en-3 alpha-ol) is a neurosteroid positive modulator of GABAA receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 317, 694-703	4.7	29
79	Electrical properties of cultured human adrenocorticotropin-secreting adenoma cells: effects of high K ⁺ , corticotropin-releasing factor, and angiotensin II. <i>Endocrinology</i> , 1987 , 121, 395-405	4.8	29
78	The riluzole derivative 2-amino-6-trifluoromethylthio-benzothiazole (SKA-19), a mixed KCa ²⁺ activator and NaV blocker, is a potent novel anticonvulsant. <i>Neurotherapeutics</i> , 2015 , 12, 234-49	6.4	28
77	Intramuscular allopregnanolone and ganaxolone in a mouse model of treatment-resistant status epilepticus. <i>Epilepsia</i> , 2018 , 59 Suppl 2, 220-227	6.4	28
76	Role of GluK1 kainate receptors in seizures, epileptic discharges, and epileptogenesis. <i>Journal of Neuroscience</i> , 2014 , 34, 5765-75	6.6	28
75	Open-Label Allopregnanolone Treatment of Men with Fragile X-Associated Tremor/Ataxia Syndrome. <i>Neurotherapeutics</i> , 2017 , 14, 1073-1083	6.4	28

74	Post-exposure administration of diazepam combined with soluble epoxide hydrolase inhibition stops seizures and modulates neuroinflammation in a murine model of acute TETS intoxication. <i>Toxicology and Applied Pharmacology</i> , 2014 , 281, 185-94	4.6	28
73	Allopregnanolone preclinical acute pharmacokinetic and pharmacodynamic studies to predict tolerability and efficacy for Alzheimer's disease. <i>PLoS ONE</i> , 2015 , 10, e0128313	3.7	28
72	Progesterone, neurosteroids, and the hormonal basis of catamenial epilepsy. <i>Annals of Neurology</i> , 2003 , 53, 288-91	9.4	27
71	Vasopressin enhances a calcium current in human ACTH-secreting pituitary adenoma cells. <i>FASEB Journal</i> , 1988 , 2, 2907-12	0.9	25
70	Effects of the synthetic neurosteroid ganaxolone on seizure activity and behavioral deficits in an Angelman syndrome mouse model. <i>Neuropharmacology</i> , 2017 , 116, 142-150	5.5	24
69	Compromised function in the Na(v)1.2 Dravet syndrome mutation R1312T. <i>Neurobiology of Disease</i> , 2012 , 47, 378-84	7.5	24
68	Models to identify treatments for the acute and persistent effects of seizure-inducing chemical threat agents. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1378, 124-136	6.5	23
67	New directions in neurotransmitter action: dopamine provides some important clues. <i>Trends in Neurosciences</i> , 1987 , 10, 200-205	13.3	23
66	Propofol hemisuccinate suppresses cortical spreading depression. <i>Neuroscience Letters</i> , 2012 , 514, 67-70	3.3	22
65	Potassium channel activators counteract anoxic hyperexcitability but not 4-aminopyridine-induced epileptiform activity in the rat hippocampal slice. <i>Neuropharmacology</i> , 1994 , 33, 1515-22	5.5	22
64	"Jasper's Basic Mechanisms of the Epilepsies" Workshop. <i>Epilepsia</i> , 2010 , 51 Suppl 5, 1-5	6.4	21
63	Phencyclidine block of calcium current in isolated guinea-pig hippocampal neurones. <i>Journal of Physiology</i> , 1992 , 456, 85-105	3.9	20
62	Combined treatment with diazepam and allopregnanolone reverses tetramethylenedisulfotetramine (TETS)-induced calcium dysregulation in cultured neurons and protects TETS-intoxicated mice against lethal seizures. <i>Neuropharmacology</i> , 2015 , 95, 332-42	5.5	19
61	LP-BM5 virus-infected mice produce activating autoantibodies to the AMPA receptor. <i>Journal of Clinical Investigation</i> , 2001 , 107, 737-44	15.9	19
60	Role of neurosteroids in the anticonvulsant activity of midazolam. <i>British Journal of Pharmacology</i> , 2012 , 165, 2684-91	8.6	18
59	Allopregnanolone Treatment Improves Plasma Metabolomic Profile Associated with GABA Metabolism in Fragile X-Associated Tremor/Ataxia Syndrome: a Pilot Study. <i>Molecular Neurobiology</i> , 2019 , 56, 3702-3713	6.2	18
58	Allopregnanolone decreases interictal spiking and fast ripples in an animal model of mesial temporal lobe epilepsy. <i>Neuropharmacology</i> , 2017 , 121, 12-19	5.5	16
57	Defective GABAergic neurotransmission in the nucleus tractus solitarius in Mecp2-null mice, a model of Rett syndrome. <i>Neurobiology of Disease</i> , 2018 , 109, 25-32	7.5	16

56	Rapid Throughput Analysis of GABA Receptor Subtype Modulators and Blockers Using DiSBAC(3) Membrane Potential Red Dye. <i>Molecular Pharmacology</i> , 2017 , 92, 88-99	4.3	15
55	11 β -Hydroxylase inhibitors protect against seizures in mice by increasing endogenous neurosteroid synthesis. <i>Neuropharmacology</i> , 2011 , 61, 133-7	5.5	15
54	BRL 34915 (cromakalim) enhances voltage-dependent K ⁺ current in cultured rat hippocampal neurons. <i>European Journal of Pharmacology</i> , 1989 , 168, 7-14	5.3	15
53	A New SV2A Ligand for Epilepsy. <i>Cell</i> , 2016 , 167, 587	56.2	14
52	A fatty acid in the MCT ketogenic diet for epilepsy treatment blocks AMPA receptors. <i>Brain</i> , 2016 , 139, 306-9	11.2	14
51	Long-lasting attenuation of amygdala-kindled seizures after convection-enhanced delivery of botulinum neurotoxins a and B into the amygdala in rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 346, 528-34	4.7	14
50	Altered fast and slow inactivation of the N440K Nav1.4 mutant in a periodic paralysis syndrome. <i>Neurology</i> , 2012 , 79, 1033-40	6.5	14
49	Regulation of brain water: is there a role for aquaporins in epilepsy?. <i>Epilepsy Currents</i> , 2005 , 5, 104-6	1.3	14
48	Does P-glycoprotein play a role in pharmacoresistance to antiepileptic drugs?. <i>Epilepsy and Behavior</i> , 2002 , 3, 493-495	3.2	14
47	Seizure protection by intrapulmonary delivery of propofol hemisuccinate. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 336, 215-22	4.7	13
46	What is the rationale for new treatment strategies in Alzheimer's disease?. <i>CNS Spectrums</i> , 2004 , 9, 6-12	1.8	13
45	Diazepam buccal film for the treatment of acute seizures. <i>Epilepsy and Behavior</i> , 2019 , 101, 106537	3.2	13
44	Proconvulsant actions of intrahippocampal botulinum neurotoxin B in the rat. <i>Neuroscience</i> , 2013 , 252, 253-61	3.9	12
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