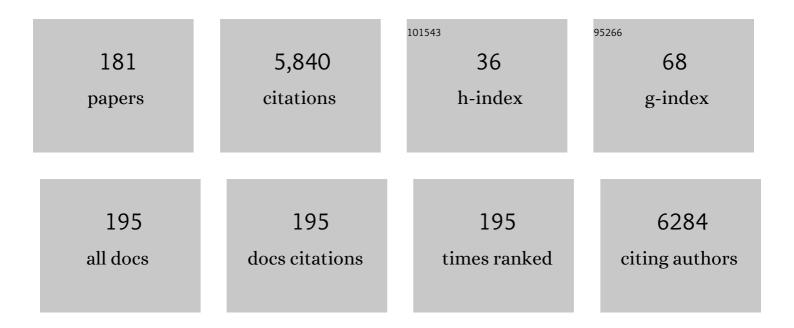
List of Publications by Year in descending order

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ΡΔ14 DICEP ΚΔΨΗ ΙΝΟ

#	Article	IF	CITATIONS
1	The Impact of Astrocytic Gap Junctional Coupling on Potassium Buffering in the Hippocampus. Journal of Neuroscience, 2006, 26, 5438-5447.	3.6	511
2	Network and pharmacological mechanisms leading to epileptiform synchronization in the limbic system in vitro. Progress in Neurobiology, 2002, 68, 167-207.	5.7	402
3	Synchronous GABA-Mediated Potentials and Epileptiform Discharges in the Rat Limbic System <i>In Vitro</i> . Journal of Neuroscience, 1996, 16, 3912-3924.	3.6	272
4	Spontaneous sharp waves in human neocortical slices excised from epileptic patients. Brain, 1998, 121, 1073-1087.	7.6	173
5	Ictal Epileptiform Activity Is Facilitated by Hippocampal GABA _A Receptor-Mediated Oscillations. Journal of Neuroscience, 2000, 20, 6820-6829.	3.6	168
6	Cellular and molecular mechanisms of epilepsy in the human brain. Progress in Neurobiology, 2005, 77, 166-200.	5.7	168
7	GABAA receptor-dependent synchronization leads to ictogenesis in the human dysplastic cortex. Brain, 2004, 127, 1626-1640.	7.6	150
8	Prolonged epileptiform bursting induced by 0-Mg2+ in rat hippocampal slices depends on gap junctional coupling. Neuroscience, 2001, 105, 579-587.	2.3	147
9	Specific imbalance of excitatory/inhibitory signaling establishes seizure onset pattern in temporal lobe epilepsy. Journal of Neurophysiology, 2016, 115, 3229-3237.	1.8	125
10	Spreading depression in human neocortical slices. Brain Research, 2001, 906, 74-83.	2.2	116
11	What is the Source of the EEG?. Clinical EEG and Neuroscience, 2009, 40, 146-149.	1.7	114
12	Voltage-gated Sodium Channels in Epilepsy. Epilepsia, 2002, 43, 1278-1295.	5.1	109
13	Potassium Channels in Epilepsy. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a022871.	6.2	94
14	lonotropic glutamate and GABA receptors in human epileptic neocortical tissue: quantitative in vitro receptor autoradiography. Neuroscience, 1999, 94, 1051-1061.	2.3	92
15	Positive shifts of the GABAA receptor reversal potential due to altered chloride homeostasis is widespread after status epilepticus. Epilepsia, 2011, 52, 1570-1578.	5.1	87
16	Endothelial cell-derived GABA signaling modulates neuronal migration and postnatal behavior. Cell Research, 2018, 28, 221-248.	12.0	78
17	Epileptiform activity preferentially arises outside tumor invasion zone in glioma xenotransplants. Neurobiology of Disease, 2006, 22, 64-75.	4.4	76
18	Antiepileptic drugs abolish ictal but not interictal epileptiform discharges in vitro. Epilepsia, 2010, 51, 423-431.	5.1	72

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19	NEUROSCIENCE: GABA Becomes Exciting. Science, 2002, 298, 1350-1351.	12.6	69
20	RNA editing (R/G site) and flip–flop splicing of the AMPA receptor subunit GluR2 in nervous tissue of epilepsy patients. Neurobiology of Disease, 2004, 15, 371-379.	4.4	67
21	Basement membrane protein nidogenâ€1 shapes hippocampal synaptic plasticity and excitability. Hippocampus, 2010, 20, 608-620.	1.9	65
22	Enhanced NMDA receptor-dependent LTP in the epileptic CA1 area via upregulation of NR2B. Neurobiology of Disease, 2013, 54, 183-193.	4.4	64
23	Establishment and Characterization of a Mouse Embryonic Heart Slice Preparation. Cellular Physiology and Biochemistry, 2005, 16, 127-132.	1.6	61
24	Methodological approaches to exploring epileptic disorders in the human brain in vitro. Journal of Neuroscience Methods, 2006, 155, 1-19.	2.5	61
25	High-frequency magnetic stimulation induces long-term potentiation in rat hippocampal slices. Neuroscience Letters, 2009, 461, 150-154.	2.1	59
26	Functional, metabolic, and synaptic changes after seizures as potential targets for antiepileptic therapy. Epilepsy and Behavior, 2010, 19, 105-113.	1.7	59
27	AMPA receptor antagonist perampanel affects glioblastoma cell growth and glutamate release in vitro. PLoS ONE, 2019, 14, e0211644.	2.5	56
28	Health and Aging: Unifying Concepts, Scores, Biomarkers and Pathways. , 2019, 10, 883.		56
29	Does interictal synchronization influence ictogenesis?. Neuropharmacology, 2013, 69, 37-44.	4.1	52
30	Muscarinic acetylcholine receptor stimulation induces expression of the activity-regulated cytoskeleton-associated gene (ARC). Molecular Brain Research, 2004, 121, 131-136.	2.3	48
31	Voltage-gated calcium channels in the etiopathogenesis and treatment of absence epilepsy. Brain Research Reviews, 2010, 62, 245-271.	9.0	47
32	Increased excitability in cortico-striatal synaptic pathway in a model of paroxysmal dystonia. Neurobiology of Disease, 2004, 16, 236-245.	4.4	45
33	Seizure frequency in pilocarpine-treated rats is independent of circadian rhythm. Epilepsia, 2011, 52, e118-e122.	5.1	45
34	Current-source-density profiles associated with sharp waves in human epileptic neocortical tissue. Neuroscience, 1999, 94, 1039-1050.	2.3	41
35	Quinine suppresses extracellular potassium transients and ictal epileptiform activity without decreasing neuronal excitability in vitro. Neuroscience, 2002, 115, 251-261.	2.3	41
36	Network mechanisms for fast ripple activity in epileptic tissue. Epilepsy Research, 2011, 97, 318-323.	1.6	41

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37	A portable chamber for long-distance transport of surviving human brain slice preparations. Journal of Neuroscience Methods, 1996, 67, 233-236.	2.5	37
38	Stereotactic injection of cerebrospinal fluid from anti-NMDA receptor encephalitis into rat dentate gyrus impairs NMDA receptor function. Brain Research, 2016, 1633, 10-18.	2.2	37
39	Low-magnesium-induced epileptiform activity in the human neocortex maintained in vitro: Suppression by the organic calcium antagonist verapamil. Journal of Epilepsy, 1992, 5, 166-170.	0.4	36
40	Optical Monitoring of Neuronal Activity During Spontaneous Sharp Waves in Chronically Epileptic Human Neocortical Tissue. Journal of Neurophysiology, 2000, 84, 2161-2165.	1.8	36
41	Melatonin reduces low-Mg2+ epileptiform activity in human temporal slices. Experimental Brain Research, 1995, 107, 321-5.	1.5	34
42	Effects of retigabine on rhythmic synchronous activity of human neocortical slices. Epilepsy Research, 2001, 44, 155-165.	1.6	34
43	Picrotoxin-induced epileptic activity in hippocampal and neocortical slices (guinea pig): suppression by organic calcium channel blockers. Brain Research, 1994, 658, 119-126.	2.2	33
44	Differential sensitivity to induction of spreading depression by partial disinhibition in chronically epileptic human and rat as compared to native rat neocortical tissue. Brain Research, 2003, 975, 129-134.	2.2	33
45	Effect of Levetiracetam on Epileptiform Discharges in Human Neocortical Slices. Epilepsia, 2002, 43, 1480-1487.	5.1	32
46	Intrinsic excitability, synaptic potentials, and short-term plasticity in human epileptic neocortex. Journal of Neuroscience Research, 2005, 80, 715-726.	2.9	32
47	Contribution of Calcium Ions to the Generation of Epileptic Activity and Antiepileptic Calcium Antagonism. Neuropsychobiology, 1993, 27, 122-126.	1.9	31
48	A new neurophysiological/neuropathological ex vivo model localizes the origin of glioma-associated epileptogenesis in the invasion area. Acta Neuropathologica, 2004, 107, 1-7.	7.7	30
49	Disruption of the sodium-dependent citrate transporter SLC13A5 in mice causes alterations in brain citrate levels and neuronal network excitability in the hippocampus. Neurobiology of Disease, 2020, 143, 105018.	4.4	30
50	OSS-DBS: Open-source simulation platform for deep brain stimulation with a comprehensive automated modeling. PLoS Computational Biology, 2020, 16, e1008023.	3.2	30
51	Low-level mitochondrial heteroplasmy modulates DNA replication, glucose metabolism and lifespan in mice. Scientific Reports, 2018, 8, 5872.	3.3	26
52	Novel Object Recognition in Rats With NMDAR Dysfunction in CA1 After Stereotactic Injection of Anti-NMDAR Encephalitis Cerebrospinal Fluid. Frontiers in Neurology, 2019, 10, 586.	2.4	26
53	Changes of extracellular calcium concentration induced by application of excitatory amino acids in the human neocortex in vitro. Brain Research, 1995, 671, 222-226.	2.2	25
54	Decreased expression of myelin gene regulatory factor in Niemann-Pick type C 1 mouse. Metabolic Brain Disease, 2011, 26, 299-306.	2.9	25

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55	Network excitability in a model of chronic temporal lobe epilepsy critically depends on SK channel-mediated AHP currents. Neurobiology of Disease, 2012, 45, 337-347.	4.4	25
56	Hypersynchronous ictal onset in the perirhinal cortex results from dynamic weakening in inhibition. Neurobiology of Disease, 2016, 87, 1-10.	4.4	25
57	Mitochondrial complex IV mutation increases reactive oxygen species production and reduces lifespan in aged mice. Acta Physiologica, 2019, 225, e13214.	3.8	25
58	High K+-induced contraction requires depolarization-induced Ca2+ release from internal stores in rat gut smooth muscle. Acta Pharmacologica Sinica, 2009, 30, 1123-1131.	6.1	24
59	Dopamine induces contraction in the proximal, but relaxation in the distal rat isolated small intestine. Neuroscience Letters, 2009, 465, 21-26.	2.1	24
60	The effects of verapamil and flunarizine on epileptiform activity induced by bicuculline and low Mg2+ in neocortical tissue of epileptic and primary non-epileptic patients. Brain Research, 1996, 733, 307-311.	2.2	23
61	Contribution of L-type calcium channels to epileptiform activity in hippocampal and neocortical slices of guinea-pigs. Neuroscience, 1999, 95, 63-72.	2.3	23
62	Vascular Integrity and Signaling Determining Brain Development, Network Excitability, and Epileptogenesis. Frontiers in Physiology, 2019, 10, 1583.	2.8	23
63	Synchronous potentials and elevations in [K+]o in the adult rat entorhinal cortex maintained in vitro. Neuroscience Letters, 1995, 185, 155-158.	2.1	22
64	Effects of nifedipine on rhythmic synchronous activity of human neocortical slices. Neuroscience, 2000, 100, 445-452.	2.3	22
65	Superfusion of verapamil on the cerebral cortex does not suppress epileptic discharges due to restricted diffusion (rats, in vivo). Brain Research, 1993, 626, 149-155.	2.2	21
66	Gabapentin potentiation of the antiepileptic efficacy of vigabatrin in an in vitro model of epilepsy. British Journal of Pharmacology, 1998, 124, 370-376.	5.4	21
67	Dimethyl sulfoxide increases latency of anoxic terminal negativity in hippocampal slices of guinea pig in vitro. Neuroscience Letters, 1999, 261, 1-4.	2.1	21
68	Acute protective effect of nimodipine and dimethyl sulfoxide against hypoxic and ischemic damage in brain slices. Brain Research, 2000, 887, 316-322.	2.2	21
69	Extracellular potassium elevations in the hippocampus of rats with long-term pilocarpine seizures. Neuroscience Letters, 1995, 201, 87-91.	2.1	20
70	Phase-locking characteristics of limbic P3 responses in hippocampal sclerosis. NeuroImage, 2005, 24, 980-989.	4.2	20
71	In vivo treatment with the casein kinase 2 inhibitor 4,5,6,7â€ŧetrabromotriazole augments the slow afterhyperpolarizing potential and prevents acute epileptiform activity. Epilepsia, 2014, 55, 175-183.	5.1	19
72	Hyperpolarization-Activated Cyclic Nucleotide-Gated Non-selective (HCN) Ion Channels Regulate Human and Murine Urinary Bladder Contractility. Frontiers in Physiology, 2018, 9, 753.	2.8	19

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73	Human Osteoblast Migration in DC Electrical Fields Depends on Store Operated Ca2+-Release and Is Correlated to Upregulation of Stretch-Activated TRPM7 Channels. Frontiers in Bioengineering and Biotechnology, 2019, 7, 422.	4.1	19
74	Stimulus-induced patterns of bioelectric activity in human neocortical tissue recorded by a voltage sensitive dye. Neuroscience, 2003, 121, 587-604.	2.3	18
75	Nidogen and Nidogen-Associated Basement Membrane Proteins and Neuronal Plasticity. Neurodegenerative Diseases, 2006, 3, 56-61.	1.4	18
76	Anoxic terminal negative DC-shift in human neocortical slices in vitro. Brain Research, 1996, 741, 174-179.	2.2	17
77	Inbred mouse strains reveal biomarkers that are proâ€longevity, antilongevity or role switching. Aging Cell, 2014, 13, 729-738.	6.7	17
78	Anti-GAD65 Containing Cerebrospinal Fluid Does not Alter GABAergic Transmission. Frontiers in Cellular Neuroscience, 2016, 10, 130.	3.7	17
79	Uncoupling protein 2 protects mice from aging. Mitochondrion, 2016, 30, 42-50.	3.4	17
80	Repetitive Peripheral Magnetic Nerve Stimulation (rPMS) as Adjuvant Therapy Reduces Skeletal Muscle Reflex Activity. Frontiers in Neurology, 2019, 10, 930.	2.4	17
81	Repetitive hypoxic exposure of brain slices and electrophysiological responses as an experimental model for investigation of cerebroprotective measurements. Neurological Research, 1996, 18, 367-369.	1.3	16
82	Strychnine-induced epileptiform activity in hippocampal and neocortical slice preparations: suppression by the organic calcium antagonists verapamil and flunarizine. Brain Research, 1997, 773, 173-180.	2.2	16
83	How Thoughts Give Rise to Action - Conscious Motor Intention Increases the Excitability of Target-Specific Motor Circuits. PLoS ONE, 2013, 8, e83845.	2.5	16
84	Animal models of tumour-associated epilepsy. Journal of Neuroscience Methods, 2016, 260, 109-117.	2.5	16
85	Differentially Altered NMDAR Dependent and Independent Long-Term Potentiation in the CA3 Subfield in a Model of Anti-NMDAR Encephalitis. Frontiers in Synaptic Neuroscience, 2018, 10, 26.	2.5	16
86	Differential Involvement of L-Type Calcium Channels in Epileptogenesis of Rat Hippocampal Slices during Ontogenesis. Neurobiology of Disease, 2000, 7, 471-482.	4.4	15
87	The 27-kDa heat shock protein (HSP27) is a reliable hippocampal marker of full development of pilocarpine-induced status epilepticus. Epilepsy Research, 2012, 98, 35-43.	1.6	15
88	Role of striatal NMDA receptor subunits in a model of paroxysmal dystonia. Experimental Neurology, 2014, 261, 677-684.	4.1	15
89	Effects of Glutamate Application on the Rhythm of Low Magnesium-induced Epileptiform Activity in Hippocampal Slices of Guinea-pigs. European Journal of Neuroscience, 1996, 8, 2137-2148.	2.6	14
90	Spatio-temporal distribution of epileptiform activity in slices from human neocortex: recordings with voltage-sensitive dyes. Epilepsy Research, 1998, 32, 224-232.	1.6	14

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91	Alternative splicing of the NMDAR1 glutamate receptor subunit in human temporal lobe epilepsy. Molecular Brain Research, 2000, 76, 377-384.	2.3	14
92	Lowering of the potassium concentration induces epileptiform activity in guinea-pig hippocampal slices. Brain Research, 2001, 908, 130-139.	2.2	14
93	Optical imaging of epileptiform activity in experimentally induced cortical malformations. Experimental Neurology, 2005, 192, 288-298.	4.1	14
94	Persistent changes of corticostriatal plasticity in dtsz mutant hamsters after age-dependent remission of dystonia. Neuroscience, 2013, 250, 60-69.	2.3	14
95	Limbic Networks and Epileptiform Synchronization. International Review of Neurobiology, 2014, 114, 63-87.	2.0	14
96	Perampanel attenuates epileptiform phenotype in C6 glioma. Neuroscience Letters, 2020, 715, 134629.	2.1	14
97	Neuronal Hyperexcitability in APPSWE/PS1dE9 Mouse Models of Alzheimer's Disease. Journal of Alzheimer's Disease, 2021, 81, 855-869.	2.6	14
98	Synchronization of rat hippocampal neurons in the absence of excitatory amino acid-mediated transmission. Brain Research, 1996, 735, 188-196.	2.2	13
99	Neuroprotection of mild hypothermia: differential effects. Brain Research, 1998, 786, 267-269.	2.2	13
100	Age-dependent contribution of Rho kinase in carbachol-induced contraction of human detrusor smooth muscle in vitro. Acta Pharmacologica Sinica, 2014, 35, 74-81.	6.1	13
101	Spontaneous and stimulustriggered epileptic discharges: Delayed antiepileptic effect with triggering. Experimental Brain Research, 1994, 100, 376-384.	1.5	12
102	Increasing Extracellular Potassium Results in Subthalamic Neuron Activity Resembling That Seen in a 6-Hydroxydopamine Lesion. Journal of Neurophysiology, 2008, 99, 2902-2915.	1.8	12
103	HCN1 channels constrain DHPG-induced LTD at hippocampal Schaffer collateral-CA1 synapses. Learning and Memory, 2009, 16, 769-776.	1.3	12
104	Status Epilepticus Enhances Depotentiation after Fully Established LTP in an NMDAR-Dependent but GluN2B-Independent Manner. Neural Plasticity, 2016, 2016, 1-10.	2.2	12
105	Bidirectional shift of group III metabotropic glutamate receptor-mediated synaptic depression in the epileptic hippocampus. Epilepsy Research, 2018, 139, 157-163.	1.6	12
106	Mortality is associated with inflammation, anemia, specific diseases and treatments, and molecular markers. PLoS ONE, 2017, 12, e0175909.	2.5	12
107	Healthspan pathway maps in C. elegans and humans highlight transcription, proliferation/biosynthesis and lipids. Aging, 2020, 12, 12534-12581.	3.1	12
108	A mutation in the NADH-dehydrogenase subunit 2 suppresses fibroblast aging. Oncotarget, 2015, 6, 8552-8566.	1.8	12

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109	Vigabatrin reduces epileptiform activity in brain slices from pharmacoresistant epilepsy patients. European Journal of Pharmacology, 2000, 401, 167-172.	3.5	11
110	Lowering the extracellular potassium concentration elicits epileptic activity in neocortical tissue of epileptic patients. European Journal of Neuroscience, 2001, 13, 639-640.	2.6	11
111	Sodium Currents in Striatal Neurons from Dystonic dtsz Hamsters: Altered Response to Lamotrigine. Neurobiology of Disease, 2002, 9, 258-268.	4.4	11
112	Living Long and Well: Prospects for a Personalized Approach to the Medicine of Ageing. Gerontology, 2016, 62, 409-416.	2.8	11
113	Deciphering hallmark processes of aging from interaction networks. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2706-2715.	2.4	11
114	Perampanel Add-on to Standard Radiochemotherapy in vivo Promotes Neuroprotection in a Rodent F98 Glioma Model. Frontiers in Neuroscience, 2020, 14, 598266.	2.8	11
115	Deep brain stimulation by optimized stimulators in a phenotypic model of dystonia: Effects of different frequencies. Neurobiology of Disease, 2021, 147, 105163.	4.4	11
116	Low magnesium induced epileptiform discharges in neocortical slices (guinea pig): Increased antiepileptic efficacy of organic calcium antagonist verapamil with elevation of extracellular K+ concentration. Comparative Biochemistry and Physiology Part C: Comparative Pharmacology, 1992, 103, 57-63.	0.2	10
117	Microcutting of living brain slices by a pulsed ultrafine water jet which allows simultaneous electrophysiological recordings (micromingotome). Journal of Neuroscience Methods, 1998, 82, 53-58.	2.5	10
118	Spatio-temporal patterns of neuronal activity: analysis of optical imaging data using geometric shape matching. Journal of Neuroscience Methods, 2002, 114, 17-23.	2.5	10
119	Characterization of a fast transient outward current in neocortical neurons from epilepsy patients. Journal of Neuroscience Research, 2004, 75, 807-816.	2.9	10
120	Upregulation of presynaptic mGluR2, but not mGluR3 in the epileptic medial perforant path. Neuropharmacology, 2012, 62, 1867-1873.	4.1	10
121	NMDA Receptor-Dependent Metaplasticity by High-Frequency Magnetic Stimulation. Neural Plasticity, 2014, 2014, 1-8.	2.2	10
122	Mycophenolate mofetil prevents the delayed T cell response after pilocarpine-induced status epilepticus in mice. PLoS ONE, 2017, 12, e0187330.	2.5	10
123	Polymorphisms of the murine mitochondrial ND4, CYTB and COX3 genes impact hematopoiesis during aging. Oncotarget, 2016, 7, 74460-74472.	1.8	10
124	Flunarizine shows increased antiepileptic efficacy with elevated K+ levels in low magnesium induced epileptic activity (neocortical slices, guinea pig). Neuropharmacology, 1994, 33, 613-618.	4.1	9
125	Electrophysiology in ischemic neocortical brain slices: species differences vs. influences of anaesthesia and preparation. European Journal of Neuroscience, 2006, 23, 1795-1800.	2.6	9
126	Targeting of neural stem cells in the hippocampus of adult rats by custom-made Ad vectors. Brain Structure and Function, 2010, 215, 105-113.	2.3	8

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127	Inverse relationship of Rho kinase and myosin-light chain kinase expression in the aging human detrusor smooth muscle. BMC Urology, 2015, 15, 104.	1.4	8
128	Reduced Adolescent-Age Spatial Learning Ability Associated with Elevated Juvenile-Age Superoxide Levels in Complex I Mouse Mutants. PLoS ONE, 2015, 10, e0123863.	2.5	8
129	Maternally Inherited Differences within Mitochondrial Complex I Control Murine Healthspan. Genes, 2019, 10, 532.	2.4	8
130	The software defined implantable modular platform (STELLA) for preclinical deep brain stimulation research in rodents. Journal of Neural Engineering, 2021, 18, 056032.	3.5	8
131	Deep brain stimulation for movement disorder treatment: exploring frequency-dependent efficacy in a computational network model. Biological Cybernetics, 2022, 116, 93-116.	1.3	8
132	Correspondence. Neuroscience, 1996, 75, 999-1002.	2.3	7
133	Flat and steep terminal negativity in the DC-potential after deprivation of oxygen and glucose in human neocortical slices. Brain Research, 1998, 794, 28-34.	2.2	7
134	GABAA receptor inhibition does not affect mGluR-dependent LTD at hippocampal Schaffer collateral-CA1 synapses. Neuroscience Letters, 2009, 467, 20-25.	2.1	7
135	The afterhyperpolarizing potential following a train of action potentials is suppressed in an acute epilepsy model in the rat Cornu Ammonis 1 area. Neuroscience, 2012, 201, 288-296.	2.3	7
136	Prolonged seizures: what are the mechanisms that predispose or cease to be protective? A review of animal data. Epileptic Disorders, 2014, 16, 23-36.	1.3	7
137	Effects of oxygen insufflation during pilocarpine-induced status epilepticus on mortality, tissue damage and seizures. Epilepsy Research, 2014, 108, 90-97.	1.6	7
138	Systems Biology Approaches in Aging Research. Interdisciplinary Topics in Gerontology, 2014, 40, 155-176.	3.6	7
139	P2Y receptor-mediated transient relaxation of rat longitudinal ileum preparations involves phospholipase C activation, intracellular Ca2+ release and SK channel activation. Acta Pharmacologica Sinica, 2016, 37, 617-628.	6.1	7
140	Oral administration of the casein kinase 2 inhibitor TBB leads to persistent KCa2.2 channel up-regulation in the epileptic CA1 area and cortex, but lacks anti-seizure efficacy in the pilocarpine epilepsy model. Epilepsy Research, 2018, 147, 42-50.	1.6	7
141	Optical monitoring of PO2 changes and simultaneous recording of bioelectric activity in human and animal brain slices. Journal of Neuroscience Methods, 1998, 85, 181-186.	2.5	6
142	Altered physiology and pharmacology in the corticostriatal system in a model of temporal lobe epilepsy. Epilepsia, 2011, 52, 151-157.	5.1	6
143	The problems facing epilepsy therapy. Neuropharmacology, 2013, 69, 1-2.	4.1	6
144	Ageâ€related decrease of adenosineâ€mediated relaxation in rat detrusor is a result of A2B receptor downregulation. International Journal of Urology, 2015, 22, 322-329.	1.0	6

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145	Uncoupling protein 2 deficiency results in higher neutrophil counts and lower B-cell counts during aging in mice. Experimental Hematology, 2016, 44, 1085-1091.e2.	0.4	6
146	Interplay between interictal spikes and behavioral seizures in young, but not aged pilocarpine-treated epileptic rats. Epilepsy and Behavior, 2016, 57, 90-94.	1.7	6
147	Stereotactically Injected Kv1.2 and CASPR2 Antisera Cause Differential Effects on CA1 Synaptic and Cellular Excitability, but Both Enhance the Vulnerability to Pro-epileptic Conditions. Frontiers in Synaptic Neuroscience, 2020, 12, 13.	2.5	6
148	Galvanotactic Migration of Glioblastoma and Brain Metastases Cells. Life, 2022, 12, 580.	2.4	6
149	Cutting of living hippocampal slices by a highly pressurised water jet (macromingotome). Journal of Neuroscience Methods, 2000, 102, 1-9.	2.5	5
150	Pre―Rather than Coâ€application of Vigabatrin Increases the Efficacy of Tiagabine in Hippocampal Slices. Epilepsia, 2002, 43, 1455-1461.	5.1	5
151	CK2 Inhibition Prior to Status Epilepticus Persistently Enhances KCa2 Function in CA1 Which Slows Down Disease Progression. Frontiers in Cellular Neuroscience, 2020, 14, 33.	3.7	5
152	Correlation between Kir4.1 expression and barium-sensitive currents in rat and human glioma cell lines. Neuroscience Letters, 2021, 741, 135481.	2.1	5
153	Mechanisms of pallidal deep brain stimulation: Alteration of cortico-striatal synaptic communication in a dystonia animal model. Neurobiology of Disease, 2021, 154, 105341.	4.4	5
154	Towards biomarkers for outcomes after pancreatic ductal adenocarcinoma and ischaemic stroke, with focus on (co)-morbidity and ageing/cellular senescence (SASKit): protocol for a prospective cohort study. BMJ Open, 2020, 10, e039560.	1.9	5
155	Neuroprotection by 21-aminosteroids: insights from latencies of anoxic terminal negativity in hippocampus slices of guinea pig. Neurological Research, 1999, 21, 305-308.	1.3	4
156	Increased excitability and compromised long-term potentiation in the neocortex of NPC1â^'/â^' mice. Brain Research, 2012, 1444, 20-26.	2.2	4
157	Acute epileptiform activity induced by gabazine involves proteasomal rather than lysosomal degradation of KCa2.2 channels. Neurobiology of Disease, 2018, 112, 79-84.	4.4	4
158	Effects of methohexital on bioelectrical reactions in guinea pig hippocampal slices during hypoxia. Neuroscience Letters, 2002, 329, 227-231.	2.1	3
159	Functional Metaplasticity of Hippocampal Schaffer Collateral-CA1 Synapses Is Reversed in Chronically Epileptic Rats. Neural Plasticity, 2017, 2017, 1-8.	2.2	3
160	Distinct Effects of Stereotactically Injected Human Cerebrospinal Fluid Containing Glutamic Acid Decarboxylase Antibodies into the Hippocampus of Rats on the Development of Spontaneous Epileptic Activity. Brain Sciences, 2020, 10, 123.	2.3	3
161	Reduction of human neocortical and guinea pig CA1-neuron A-type currents by organic calcium channel blockers. Neuroscience Letters, 2004, 368, 57-62.	2.1	2
162	ZD7288 Enhances Long-Term Depression at Early Postnatal Medial Perforant Path-Granule Cell Synapses. Neural Plasticity, 2012, 2012, 1-9.	2.2	2

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163	Numerical Study on Electrode Design for Rodent Deep Brain Stimulation With Implantations Cranial to Targeted Nuclei. Frontiers in Computational Neuroscience, 2021, 15, 631188.	2.1	2
164	Kv7 and Kir6 Channels Shape the Slow AHP in Mouse Dentate Gyrus Granule Cells and Control Burst-like Firing Behavior. Neuroscience, 2021, 467, 56-72.	2.3	2
165	Polymorphism in Murine mtATP8 Gene Correlates with Decreased Reactive Oxygen Species in Aging Hematopoietic Cells. In Vivo, 2016, 30, 751-760.	1.3	2
166	NiCl2 and amiloride induce spreading depression in guinea pig hippocampal slices. Cephalalgia, 2000, 20, 740-747.	3.9	2
167	Microbeam Irradiation of the Beating Rodent Heart: An Ex Vivo Study of Acute and Subacute Effects on Cardiac Function. International Journal of Radiation Oncology Biology Physics, 2022, 114, 143-152.	0.8	2
168	Bioelectrical behaviour of hypoxic human neocortical tissue under the influence of nimodipine and dimethyl sulfoxide. Brain Research, 2003, 959, 199-205.	2.2	1
169	Translational perspectives: Interneurones start seizures. Journal of Physiology, 2019, 597, 5525-5526.	2.9	1
170	Polymorphism nt7778G/T In Mitochondrial ATP8 Gene Promotes Protective Effect On Reactive Oxygen Species Level In Murine Hematopoietic Cells During Aging. Blood, 2013, 122, 1196-1196.	1.4	1
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