

Marco M De Curtis

List of Publications by Year in descending order

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190
papers

9,147
citations

41344

49
h-index

51608

86
g-index

195
all docs

195
docs citations

195
times ranked

8052
citing authors

#	ARTICLE	IF	CITATIONS
1	Epilepsy. Nature Reviews Disease Primers, 2018, 4, 18024.	30.5	541
2	Synchronization and desynchronization in epilepsy: controversies and hypotheses. Journal of Physiology, 2013, 591, 787-797.	2.9	450
3	Interictal spikes in focal epileptogenesis. Progress in Neurobiology, 2001, 63, 541-567.	5.7	392
4	Selective increase in T-type calcium conductance of reticular thalamic neurons in a rat model of absence epilepsy. Journal of Neuroscience, 1995, 15, 3110-3117.	3.6	358
5	Seizure control and treatment in pregnancy: Observations from the EURAP Epilepsy Pregnancy Registry. Neurology, 2006, 66, 354-360.	1.1	313
6	GABAergic synchronization in the limbic system and its role in the generation of epileptiform activity. Progress in Neurobiology, 2011, 95, 104-132.	5.7	222
7	Seizure-induced brain-borne inflammation sustains seizure recurrence and blood-brain barrier damage. Annals of Neurology, 2012, 72, 82-90.	5.3	218
8	An Excitatory Loop with Astrocytes Contributes to Drive Neurons to Seizure Threshold. PLoS Biology, 2010, 8, e1000352.	5.6	194
9	Fast activity at seizure onset is mediated by inhibitory circuits in the entorhinal cortex in vitro. Annals of Neurology, 2008, 64, 674-686.	5.3	185
10	Intrinsic properties of nucleus reticularis thalami neurones of the rat studied in vitro.. Journal of Physiology, 1989, 416, 111-122.	2.9	174
11	The rhinal cortices: a wall of inhibition between the neocortex and the hippocampus. Progress in Neurobiology, 2004, 74, 101-110.	5.7	171
12	Role of the hippocampal-entorhinal loop in temporal lobe epilepsy: extra- and intracellular study in the isolated guinea pig brain in vitro. Journal of Neuroscience, 1992, 12, 1867-1881.	3.6	156
13	In Vivo and In Vitro Effects of Pilocarpine: Relevance to Ictogenesis. Epilepsia, 2007, 48, 1934-1946.	5.1	151
14	Activity-Dependent pH Shifts and Periodic Recurrence of Spontaneous Interictal Spikes in a Model of Focal Epileptogenesis. Journal of Neuroscience, 1998, 18, 7543-7551.	3.6	144
15	The Isolated and Perfused Brain of the Guinea-pig In Vitro. European Journal of Neuroscience, 1993, 5, 915-926.	2.6	139
16	How Can We Identify Ictal and Interictal Abnormal Activity?. Advances in Experimental Medicine and Biology, 2014, 813, 3-23.	1.6	138
17	Specific imbalance of excitatory/inhibitory signaling establishes seizure onset pattern in temporal lobe epilepsy. Journal of Neurophysiology, 2016, 115, 3229-3237.	1.8	125
18	Reevaluating the mechanisms of focal ictogenesis: The role of low-voltage fast activity. Epilepsia, 2009, 50, 2514-2525.	5.1	120

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19	Hemispherotomy and functional hemispherectomy: Indications and outcome. <i>Epilepsy Research</i> , 2010, 89, 104-112.	1.6	115
20	The electrophysiology of the olfactory-hippocampal circuit in the isolated and perfused adult mammalian brain in vitro. <i>Hippocampus</i> , 1991, 1, 341-354.	1.9	113
21	<sc>GABA</sc>ergic networks jumpstart focal seizures. <i>Epilepsia</i> , 2016, 57, 679-687.	5.1	113
22	Neurosphere-Derived Cells Exert a Neuroprotective Action by Changing the Ischemic Microenvironment. <i>PLoS ONE</i> , 2007, 2, e373.	2.5	113
23	Mechanisms of C-Reactive Protein-Induced Blood-Brain Barrier Disruption. <i>Stroke</i> , 2009, 40, 1458-1466.	2.0	106
24	Electrophysiological characteristics of morphologically identified reticular thalamic neurons from rat slices. <i>Neuroscience</i> , 1988, 27, 629-638.	2.3	105
25	Postsynaptic Hebbian and non-Hebbian long-term potentiation of synaptic efficacy in the entorhinal cortex in slices and in the isolated adult guinea pig brain.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 9280-9284.	7.1	99
26	The role of the thalamus in vigilance and epileptogenic mechanisms. <i>Clinical Neurophysiology</i> , 2000, 111, S19-S26.	1.5	95
27	Biomarkers of epileptogenic zone defined by quantified stereo-EEG analysis. <i>Epilepsia</i> , 2014, 55, 296-305.	5.1	94
28	Olfactory Inputs Activate the Medial Entorhinal Cortex Via the Hippocampus. <i>Journal of Neurophysiology</i> , 2000, 83, 1924-1931.	1.8	81
29	Simultaneous investigation of the neuronal and vascular compartments in the guinea pig brain isolated in vitro. <i>Brain Research Protocols</i> , 1998, 3, 221-228.	1.6	79
30	Evidence for Spatial Modules Mediated by Temporal Synchronization of Carbachol-Induced Gamma Rhythm in Medial Entorhinal Cortex. <i>Journal of Neuroscience</i> , 2000, 20, 7846-7854.	3.6	78
31	Caspase-3 Contributes to ZO-1 and Cl-5 Tight-Junction Disruption in Rapid Anoxic Neurovascular Unit Damage. <i>PLoS ONE</i> , 2011, 6, e16760.	2.5	75
32	Acute induction of epileptiform discharges by pilocarpine in the in vitro isolated guinea-pig brain requires enhancement of blood-brain barrier permeability. <i>Neuroscience</i> , 2008, 151, 303-312.	2.3	74
33	Propagation Dynamics of Epileptiform Activity Acutely Induced by Bicuculline in the Hippocampal-Parahippocampal Region of the Isolated Guinea Pig Brain. <i>Epilepsia</i> , 2005, 46, 1914-1925.	5.1	72
34	Hippocampal hyperexcitability and specific epileptiform activity in a mouse model of <sc>D</sc>ravet syndrome. <i>Epilepsia</i> , 2013, 54, 1251-1261.	5.1	72
35	Moderate Hypoxia Followed by Reoxygenation Results in Blood-Brain Barrier Breakdown via Oxidative Stress-Dependent Tight-Junction Protein Disruption. <i>PLoS ONE</i> , 2013, 8, e82823.	2.5	72
36	Expression of Adhesion Factors Induced by Epileptiform Activity in the Endothelium of the Isolated Guinea Pig Brain In Vitro. <i>Epilepsia</i> , 2007, 48, 743-751.	5.1	69

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37	Multifocal spontaneous epileptic activity induced by restricted bicuculline ejection in the piriform cortex of the isolated guinea pig brain. <i>Journal of Neurophysiology</i> , 1994, 71, 2463-2476.	1.8	67
38	Epileptiform ictal discharges are prevented by periodic interictal spiking in the olfactory cortex. <i>Annals of Neurology</i> , 2003, 53, 382-389.	5.3	67
39	Methodological standards and interpretation of video-electroencephalography in adult control rodents. AA<sc>TASK</sc>1 report of the <sc>AES</sc>/<sc>ILAE</sc> Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017, 58, 10-27.	5.1	67
40	Cysteinyl leukotriene receptor activation in brain inflammatory reactions and cerebral edema formation: a role for transcellular biosynthesis of cysteinyl leukotrienes. <i>FASEB Journal</i> , 2004, 18, 842-844.	0.5	66
41	Excitatory amino acids mediate responses elicited in vitro by stimulation of cortical afferents to reticularis thalami neurons of the rat. <i>Neuroscience</i> , 1989, 33, 275-283.	2.3	61
42	Identification of reproducible ictal patterns based on quantified frequency analysis of intracranial EEG signals. <i>Epilepsia</i> , 2011, 52, 477-488.	5.1	58
43	Localization of Epileptogenic Zone on Pre-surgical Intracranial EEG Recordings: Toward a Validation of Quantitative Signal Analysis Approaches. <i>Brain Topography</i> , 2015, 28, 832-837.	1.8	58
44	Modalities of Distortion of Physiological Voltage Signals by Patch-Clamp Amplifiers: A Modeling Study. <i>Biophysical Journal</i> , 1998, 74, 831-842.	0.5	56
45	Do seizures and epileptic activity worsen epilepsy and deteriorate cognitive function?. <i>Epilepsia</i> , 2013, 54, 14-21.	5.1	56
46	Propagation of Neuronal Activity along the Neocortical-Perirhinal-Entorhinal Pathway in the Guinea Pig. <i>Journal of Neuroscience</i> , 2002, 22, 9972-9979.	3.6	55
47	Synchronous Inhibitory Potentials Precede Seizure-Like Events in Acute Models of Focal Limbic Seizures. <i>Journal of Neuroscience</i> , 2015, 35, 3048-3055.	3.6	55
48	Changes in action potential features during focal seizure discharges in the entorhinal cortex of the in vitro isolated guinea pig brain. <i>Journal of Neurophysiology</i> , 2011, 106, 1411-1423.	1.8	54
49	Cellular mechanisms underlying spontaneous interictal spikes in an acute model of focal cortical epileptogenesis. <i>Neuroscience</i> , 1999, 88, 107-117.	2.3	52
50	Does interictal synchronization influence ictogenesis?. <i>Neuropharmacology</i> , 2013, 69, 37-44.	4.1	52
51	Interneuronal Network Activity at the Onset of Seizure-Like Events in Entorhinal Cortex Slices. <i>Journal of Neuroscience</i> , 2017, 37, 10398-10407.	3.6	52
52	Cortical versus thalamic mechanisms underlying spike and wave discharges in GAERS. <i>Epilepsy Research</i> , 1996, 26, 37-44.	1.6	51
53	Seizure activity per se does not induce tissue damage markers in human neocortical focal epilepsy. <i>Annals of Neurology</i> , 2017, 82, 331-341.	5.3	47
54	Circadian clustering of spontaneous epileptic seizures emerges after pilocarpine-induced status epilepticus. <i>Epilepsia</i> , 2017, 58, 1159-1171.	5.1	46

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55	Network Activity Evoked by Neocortical Stimulation in Area 36 of the Guinea Pig Perirhinal Cortex. <i>Journal of Neurophysiology</i> , 2001, 86, 164-172.	1.8	45
56	Stimulus-evoked potentials contribute to map the epileptogenic zone during stereo-EEG presurgical monitoring. <i>Human Brain Mapping</i> , 2014, 35, 4267-4281.	3.6	44
57	Slow Periodic Events and Their Transition to Gamma Oscillations in the Entorhinal Cortex of the Isolated Guinea Pig Brain. <i>Journal of Neurophysiology</i> , 2003, 90, 39-46.	1.8	43
58	The pilocarpine model of mesial temporal lobe epilepsy: Over one decade later, with more rodent species and new investigative approaches. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 130, 274-291.	6.1	41
59	Persistent Excitability Changes in the Piriform Cortex of the Isolated Guinea-pig Brain after Transient Exposure to Bicuculline. <i>European Journal of Neuroscience</i> , 1997, 9, 435-451.	2.6	40
60	Olfactory input to the parahippocampal region of the isolated guinea pig brain reveals weak entorhinal-to-perirhinal interactions. <i>European Journal of Neuroscience</i> , 2003, 18, 95-101.	2.6	39
61	Potassium dynamics and seizures: Why is potassium ictogenic?. <i>Epilepsy Research</i> , 2018, 143, 50-59.	1.6	37
62	Stereo-EEG ictal/interictal patterns and underlying pathologies. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 72, 54-60.	2.0	37
63	Restless Legs Syndrome across the Lifespan: Symptoms, Pathophysiology, Management and Daily Life Impact of the Different Patterns of Disease Presentation. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3658.	2.6	37
64	Associative Synaptic Potentials in the Piriform Cortex of the Isolated Guinea-pig Brain In Vitro. <i>European Journal of Neuroscience</i> , 1995, 7, 54-64.	2.6	36
65	Carbachol Induces Fast Oscillations in the Medial but not in the Lateral Entorhinal Cortex of the Isolated Guinea Pig Brain. <i>Journal of Neurophysiology</i> , 1999, 82, 2441-2450.	1.8	36
66	Optical recording of cortical activity after in vitro perfusion of cerebral arteries with a voltage-sensitive dye. <i>Brain Research</i> , 1999, 837, 314-319.	2.2	35
67	Dendritic pathology, spine loss and synaptic reorganization in human cortex from epilepsy patients. <i>Brain</i> , 2021, 144, 251-265.	7.6	35
68	Polysynaptic olfactory pathway to the ipsi- and contralateral entorhinal cortex mediated via the hippocampus. <i>Neuroscience</i> , 2005, 130, 249-258.	2.3	34
69	Synchronous GABA _A -receptor-dependent potentials in limbic areas of the <i>in vitro</i> isolated adult guinea pig brain. <i>European Journal of Neuroscience</i> , 2009, 29, 911-920.	2.6	34
70	Network Dynamics During the Progression of Seizure-Like Events in the Hippocampal-Parahippocampal Regions. <i>Cerebral Cortex</i> , 2014, 24, 163-173.	2.9	34
71	Initiation, Propagation, and Termination of Partial (Focal) Seizures. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a022368.	6.2	34
72	Blood-brain barrier preservation in the in vitro isolated guinea pig brain preparation. <i>Journal of Neuroscience Research</i> , 2001, 66, 289-297.	2.9	33

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73	FATAL CONGENITAL MYOPATHY AND GASTROINTESTINAL PSEUDO-OBSTRUCTION DUE TO <i>POLG1</i> MUTATIONS. <i>Neurology</i> , 2009, 72, 1103-1105.	1.1	33
74	Temporal lobe epilepsy surgery in children and adults: A multicenter study. <i>Epilepsia</i> , 2021, 62, 128-142.	5.1	33
75	A guinea pig model of mesial temporal lobe epilepsy following nonconvulsive status epilepticus induced by unilateral intrahippocampal injection of kainic acid. <i>Epilepsia</i> , 2012, 53, 1917-1927.	5.1	32
76	Entorhinal cortex long-term potentiation evoked by theta-patterned stimulation of associative fibers in the isolated in vitro guinea pig brain. <i>Brain Research</i> , 1993, 600, 327-330.	2.2	31
77	Methodological standards for in vitro models of epilepsy and epileptic seizures. A TASK WG report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017, 58, 40-52.	5.1	31
78	Discharge threshold is enhanced for several seconds after a single interictal spike in a model of focal epileptogenesis. <i>European Journal of Neuroscience</i> , 2001, 14, 174-178.	2.6	30
79	Molecular anatomy of the cerebral microvessels in the isolated guinea-pig brain. <i>Brain Research</i> , 2004, 999, 81-90.	2.2	30
80	Hippocampus-Mediated Activation of Superficial and Deep Layer Neurons in the Medial Entorhinal Cortex of the Isolated Guinea Pig Brain. <i>Journal of Neuroscience</i> , 2006, 26, 873-881.	3.6	30
81	Independent Epileptiform Discharge Patterns in the Olfactory and Limbic Areas of the In Vitro Isolated Guinea Pig Brain During 4-Aminopyridine Treatment. <i>Journal of Neurophysiology</i> , 2010, 103, 2728-2736.	1.8	29
82	Network hyperexcitability within the deep layers of the pilocarpine-treated rat entorhinal cortex. <i>Journal of Physiology</i> , 2008, 586, 1867-1883.	2.9	28
83	On the ictogenic properties of the piriform cortex in vitro. <i>Epilepsia</i> , 2012, 53, 459-468.	5.1	28
84	Limbic Network Synchronization and Temporal Lobe Epilepsy. , 2012, , 176-189.		28
85	Topographic distribution of direct and hippocampus-mediated entorhinal cortex activity evoked by olfactory tract stimulation. <i>European Journal of Neuroscience</i> , 2004, 20, 1897-1905.	2.6	27
86	Different parvalbumin and GABA expression in human epileptogenic focal cortical dysplasia. <i>Epilepsia</i> , 2016, 57, 1109-1119.	5.1	27
87	WONOE APPRAISAL: The many facets of epilepsy networks. <i>Epilepsia</i> , 2018, 59, 1475-1483.	5.1	27
88	Anti-epileptogenic and Anti-convulsive Effects of Fingolimod in Experimental Temporal Lobe Epilepsy. <i>Molecular Neurobiology</i> , 2019, 56, 1825-1840.	4.0	27
89	Cytoarchitectonic characterization of the parahippocampal region of the guinea pig. <i>Journal of Comparative Neurology</i> , 2004, 474, 289-303.	1.6	26
90	Distribution of the Olfactory Fiber Input Into the Olfactory Tubercle of the In Vitro Isolated Guinea Pig Brain. <i>Journal of Neurophysiology</i> , 2009, 101, 1613-1619.	1.8	26

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91	Seizure-like discharges induced by 4-aminopyridine in the olfactory system of the in vitro isolated guinea pig brain. <i>Epilepsia</i> , 2013, 54, 605-615.	5.1	26
92	Arterial supply of limbic structures in the guinea pig. , 1999, 411, 674-682.		25
93	Calcium-binding protein immunoreactivity in the piriform cortex of the guinea-pig: Selective staining of subsets of non-gabaergic neurons by calretinin. <i>Neuroscience</i> , 1998, 83, 229-237.	2.3	24
94	Low-Voltage Activated T-Type Calcium Currents Are Differently Expressed in Superficial and Deep Layers of Guinea Pig Piriform Cortex. <i>Journal of Neurophysiology</i> , 1998, 79, 808-816.	1.8	24
95	Nitric oxide synthase inhibitors unmask acetylcholine-mediated constriction of cerebral vessels in the in vitro isolated guinea-pig brain. <i>Neuroscience</i> , 2000, 101, 283-287.	2.3	24
96	Associative Interactions Within the Superficial Layers of the Entorhinal Cortex of the Guinea Pig. <i>Journal of Neurophysiology</i> , 2002, 88, 1159-1165.	1.8	24
97	Optimization of rapid acquisition with relaxation enhancement (RARE) pulse sequence parameters for ¹⁹ F-MRI studies. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 162-170.	3.4	24
98	Simultaneous enhancement of excitation and postburst inhibition at the end of focal seizures. <i>Annals of Neurology</i> , 2014, 76, 826-836.	5.3	23
99	A hypothesis for the role of axon demyelination in seizure generation. <i>Epilepsia</i> , 2021, 62, 583-595.	5.1	23
100	Increased discharge threshold after an interictal spike in human focal epilepsy. <i>European Journal of Neuroscience</i> , 2005, 22, 2971-2976.	2.6	22
101	Odor-Driven Activity in the Olfactory Cortex of an In Vitro Isolated Guinea Pig Whole Brain With Olfactory Epithelium. <i>Journal of Neurophysiology</i> , 2007, 97, 670-679.	1.8	21
102	Acute lipophilicity-dependent effect of intravascular simvastatin in the early phase of focal cerebral ischemia. <i>Neuropharmacology</i> , 2011, 60, 878-885.	4.1	21
103	Activation of cerebral endothelium is required for mononuclear cell recruitment in a novel in vitro model of brain inflammation. <i>Neuroscience</i> , 2006, 137, 1211-1219.	2.3	20
104	Ictal but Not Interictal Epileptic Discharges Activate Astrocyte Endfeet and Elicit Cerebral Arteriole Responses. <i>Frontiers in Cellular Neuroscience</i> , 2011, 5, 8.	3.7	20
105	A Novel Focal Seizure Pattern Generated in Superficial Layers of the Olfactory Cortex. <i>Journal of Neuroscience</i> , 2017, 37, 3544-3554.	3.6	20
106	Two main focal seizure patterns revealed by intracerebral electroencephalographic biomarker analysis. <i>Epilepsia</i> , 2019, 60, 96-106.	5.1	20
107	Arterially Perfused Neurosphere-Derived Cells Distribute Outside the Ischemic Core in a Model of Transient Focal Ischemia and Reperfusion In Vitro. <i>PLoS ONE</i> , 2008, 3, e2754.	2.5	20
108	A Novel High Channel-Count System for Acute Multisite Neuronal Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1672-1677.	4.2	18

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109	Standards for data acquisition and software-based analysis of in vivo electroencephalography recordings from animals. A TASK 1WG 5 report of the AES/ ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017, 58, 53-67.	5.1	18
110	Targeting PSD95-nNOS interaction by Tat-N-dimer peptide during status epilepticus is neuroprotective in MAM-pilocarpine rat model. <i>Neuropharmacology</i> , 2019, 153, 82-97.	4.1	18
111	Ultrastructural features of the isolated guinea-pig brain maintained in vitro by arterial perfusion. <i>Neuroscience</i> , 1994, 59, 775-788.	2.3	17
112	Olfactory bulb networks revealed by lateral olfactory tract stimulation in the in vitro isolated guinea-pig brain. <i>Neuroscience</i> , 2006, 142, 567-577.	2.3	17
113	Realistic Modeling of Entorhinal Cortex Field Potentials and Interpretation of Epileptic Activity in the Guinea Pig Isolated Brain Preparation. <i>Journal of Neurophysiology</i> , 2006, 96, 363-377.	1.8	17
114	Methodological standards and functional correlates of depth in vivo electrophysiological recordings in control rodents. A TASK 1WG 3 report of the AES / ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017, 58, 28-39.	5.1	17
115	How do we use in vitro models to understand epileptiform and ictal activity? A report of the <scp>TASK</scp> 1WG 4 group of the <scp>ILAE</scp>/<scp>AES</scp> Joint Translational Task Force. <i>Epilepsia Open</i> , 2018, 3, 460-473.	2.4	17
116	Enhanced thalamo-hippocampal synchronization during focal limbic seizures. <i>Epilepsia</i> , 2018, 59, 1774-1784.	5.1	17
117	Predictive value of high titer of GAD65 antibodies in a case of limbic encephalitis. <i>Journal of Neuroimmunology</i> , 2019, 337, 577063.	2.3	17
118	Propagation of epileptiform potentials in the guinea-pig piriform cortex is sustained by associative fibres. <i>Epilepsy Research</i> , 1996, 24, 137-146.	1.6	16
119	Interactions between Associative Synaptic Potentials in the Piriform Cortex of the In Vitro Isolated Guinea Pig Brain. <i>European Journal of Neuroscience</i> , 1996, 8, 1350-1357.	2.6	16
120	The in vitro isolated whole guinea pig brain as a model to study epileptiform activity patterns. <i>Journal of Neuroscience Methods</i> , 2016, 260, 83-90.	2.5	16
121	A blocker-resistant, fast-decaying, intermediate-threshold calcium current in palaeocortical pyramidal neurons. <i>European Journal of Neuroscience</i> , 2000, 12, 2376-2386.	2.6	15
122	Layer-specific immunocytochemical localization of GABABR1a and GABABR1b receptors in the rat piriform cortex. <i>European Journal of Neuroscience</i> , 2000, 12, 1516-1520.	2.6	15
123	Pharmacological and Biophysical Characterization of Voltage-Gated Calcium Currents in the Endopiriform Nucleus of the Guinea Pig. <i>Journal of Neurophysiology</i> , 2001, 85, 2076-2087.	1.8	15
124	Changes of Ionic Concentrations During Seizure Transitions – A Modeling Study. <i>International Journal of Neural Systems</i> , 2017, 27, 1750004.	5.2	15
125	Epilepsy course during COVID-19 pandemic in three Italian epilepsy centers. <i>Epilepsy and Behavior</i> , 2020, 112, 107375.	1.7	15
126	Early excitability changes in a novel acute model of transient focal ischemia and reperfusion in the in vitro isolated guinea pig brain. <i>Experimental Neurology</i> , 2007, 204, 95-105.	4.1	14

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127	Cellular correlates of spontaneous periodic events in the medial entorhinal cortex of the <i>in vitro</i> isolated guinea pig brain. <i>European Journal of Neuroscience</i> , 2007, 26, 302-311.	2.6	14
128	Functional Interactions Within the Parahippocampal Region Revealed by Voltage-Sensitive Dye Imaging in the Isolated Guinea Pig Brain. <i>Journal of Neurophysiology</i> , 2010, 103, 725-732.	1.8	14
129	Peripheral blood mononuclear cell activation sustains seizure activity. <i>Epilepsia</i> , 2021, 62, 1715-1728.	5.1	14
130	Fluoride reversibly blocks HVA calcium current in mammalian thalamic neurones. <i>NeuroReport</i> , 1994, 5, 553-556.	1.2	13
131	Kainic acid-induced albumin leak across the blood-brain barrier facilitates epileptiform hyperexcitability in limbic regions. <i>Epilepsia</i> , 2016, 57, 967-976.	5.1	13
132	Ni ²⁺ Slows the Activation Kinetics of High-Voltage-Activated Ca ²⁺ Currents in Cortical Neurons: Evidence for a Mechanism of Action Independent of Channel-Pore Block. <i>Journal of Membrane Biology</i> , 2001, 179, 243-262.	2.1	12
133	Increased pCREB expression and the spontaneous epileptiform activity in a BCNU-treated rat model of cortical dysplasia. <i>Epilepsia</i> , 2015, 56, 1343-1354.	5.1	12
134	Methodologic recommendations and possible interpretations of video-EEG recordings in immature rodents used as experimental controls: TASK1-WG2 report of the ILAE/AES Joint Translational Task Force. <i>Epilepsia Open</i> , 2018, 3, 437-459.	2.4	12
135	The impact of perampanel treatment on quality of life and psychiatric symptoms in patients with drug-resistant focal epilepsy: An observational study in Italy. <i>Epilepsy and Behavior</i> , 2019, 99, 106391.	1.7	12
136	Epileptiform activity contralateral to unilateral hippocampal sclerosis does not cause the expression of brain damage markers. <i>Epilepsia</i> , 2019, 60, 1184-1199.	5.1	12
137	GABAA receptor-mediated networks during focal seizure onset and progression <i>in vitro</i> . <i>Neurobiology of Disease</i> , 2019, 125, 190-197.	4.4	12
138	The understanding of mental states and the cognitive phenotype of frontal lobe epilepsy. <i>Epilepsia</i> , 2020, 61, 747-757.	5.1	12
139	Modern Concepts of Focal Epileptic Networks. <i>International Review of Neurobiology</i> , 2014, 114, 1-7.	2.0	11
140	Advanced intraoperative ultrasound (ioUS) techniques in focal cortical dysplasia (FCD) surgery: A preliminary experience on a case series. <i>Clinical Neurology and Neurosurgery</i> , 2020, 198, 106188.	1.4	11
141	Long-latency, nonreciprocal reflex responses of antagonistic hind limb muscles after cutaneous nerve stimulation in the cat. <i>Experimental Neurology</i> , 1982, 76, 58-71.	4.1	10
142	Epileptiform activity in the piriform cortex of the <i>in vitro</i> isolated guinea pig brain preparation. <i>Epilepsy Research</i> , 1996, 26, 75-80.	1.6	10
143	Enhancement of temporal and spatial synchronization of entorhinal gamma activity by phase reset. <i>Hippocampus</i> , 2002, 12, 447-456.	1.9	10
144	Propagation pattern of entorhinal cortex subfields to the dentate gyrus in the guinea-pig: an electrophysiological study. <i>Neuroscience</i> , 2003, 122, 843-851.	2.3	10

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145	Variable electrobehavioral patterns during focal nonconvulsive status epilepticus induced by unilateral intrahippocampal injection of kainic acid. <i>Epilepsia</i> , 2014, 55, 1978-1985.	5.1	10
146	Pravastatin acute neuroprotective effects depend on blood brain barrier integrity in experimental cerebral ischemia. <i>Brain Research</i> , 2015, 1615, 31-41.	2.2	10
147	Distribution of superparamagnetic Au/Fe nanoparticles in an isolated guinea pig brain with an intact blood brain barrier. <i>Nanoscale</i> , 2018, 10, 22420-22428.	5.6	10
148	Biophysical and pharmacological diversity of high-voltage-activated calcium currents in layer II neurones of guinea-pig piriform cortex. <i>Journal of Physiology</i> , 1999, 518, 705-720.	2.9	9
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