

Antoine Depaulis

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155
papers

10,296
citations

56
h-index

98
g-index

161
ext. papers

11,266
ext. citations

4.9
avg, IF

5.64
L-index

#	Paper	IF	Citations
155	Parkinsonian-like locomotor impairment in mice lacking dopamine D2 receptors. <i>Nature</i> , 1995 , 377, 424-30	30.4	568
154	Pathophysiological mechanisms of genetic absence epilepsy in the rat. <i>Progress in Neurobiology</i> , 1998 , 55, 27-57	10.9	483
153	Identifying neural drivers with functional MRI: an electrophysiological validation. <i>PLoS Biology</i> , 2008 , 6, 2683-97	9.7	392
152	Recurrent seizures and hippocampal sclerosis following intrahippocampal kainate injection in adult mice: electroencephalography, histopathology and synaptic reorganization similar to mesial temporal lobe epilepsy. <i>Neuroscience</i> , 1999 , 89, 717-29	3.9	314
151	Deep layer somatosensory cortical neurons initiate spike-and-wave discharges in a genetic model of absence seizures. <i>Journal of Neuroscience</i> , 2007 , 27, 6590-9	6.6	307
150	Evolution of hippocampal epileptic activity during the development of hippocampal sclerosis in a mouse model of temporal lobe epilepsy. <i>Neuroscience</i> , 2002 , 112, 101-11	3.9	295
149	Spontaneous paroxysmal electroclinical patterns in rat: a model of generalized non-convulsive epilepsy. <i>Neuroscience Letters</i> , 1982 , 33, 97-101	3.3	242
148	Reelin deficiency and displacement of mature neurons, but not neurogenesis, underlie the formation of granule cell dispersion in the epileptic hippocampus. <i>Journal of Neuroscience</i> , 2006 , 26, 4701-13	6.6	235
147	Involvement of intrathalamic GABAB neurotransmission in the control of absence seizures in the rat. <i>Neuroscience</i> , 1992 , 48, 87-93	3.9	217
146	Endogenous control of epilepsy: the nigral inhibitory system. <i>Progress in Neurobiology</i> , 1994 , 42, 33-52	10.9	200
145	Involvement of brain opiate receptors in the immune-suppressive effect of morphine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986 , 83, 7114-7	11.5	172
144	A model of chronic spontaneous petit mal-like seizures in the rat: comparison with pentylenetetrazol-induced seizures. <i>Epilepsia</i> , 1984 , 25, 326-31	6.4	170
143	High-frequency stimulation of the subthalamic nucleus suppresses absence seizures in the rat: comparison with neurotoxic lesions. <i>Epilepsy Research</i> , 1998 , 31, 39-46	3	165
142	Convergence of deep somatic and visceral nociceptive information onto a discrete ventrolateral midbrain periaqueductal gray region. <i>Neuroscience</i> , 1994 , 61, 727-32	3.9	163
141	Enhancement of spike and wave discharges by GABA-mimetic drugs in rats with spontaneous petit-mal-like epilepsy. <i>Neuroscience Letters</i> , 1984 , 44, 91-4	3.3	163
140	Longitudinal neuronal organization of defensive reactions in the midbrain periaqueductal gray region of the rat. <i>Experimental Brain Research</i> , 1992 , 90, 307-18	2.3	158
139	Identification of midbrain neurones mediating defensive behaviour in the rat by microinjections of excitatory amino acids. <i>Behavioural Brain Research</i> , 1985 , 15, 107-19	3.4	150

138	Spontaneous spike and wave discharges in thalamus and cortex in a rat model of genetic petit mal-like seizures. <i>Experimental Neurology</i> , 1987 , 96, 127-36	5.7	145
137	Increase in BDNF-mediated TrkB signaling promotes epileptogenesis in a mouse model of mesial temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2011 , 42, 35-47	7.5	142
136	Evidence for a critical role of GABAergic transmission within the thalamus in the genesis and control of absence seizures in the rat. <i>Brain Research</i> , 1991 , 545, 1-7	3.7	142
135	GABAergic modulation of the analgesic effects of morphine microinjected in the ventral periaqueductal gray matter of the rat. <i>Brain Research</i> , 1987 , 436, 223-8	3.7	140
134	Kindling of audiogenic seizures in Wistar rats: an EEG study. <i>Experimental Neurology</i> , 1987 , 97, 160-8	5.7	132
133	The role of basal ganglia in the control of generalized absence seizures. <i>Epilepsy Research</i> , 1998 , 32, 213-23	3.3	131
132	Mapping of spontaneous spike and wave discharges in Wistar rats with genetic generalized non-convulsive epilepsy. <i>Brain Research</i> , 1990 , 523, 87-91	3.7	128
131	Quiescence and hyporeactivity evoked by activation of cell bodies in the ventrolateral midbrain periaqueductal gray of the rat. <i>Experimental Brain Research</i> , 1994 , 99, 75-83	2.3	121
130	Low-voltage-activated calcium channel subunit expression in a genetic model of absence epilepsy in the rat. <i>Molecular Brain Research</i> , 2000 , 75, 159-65		119
129	Parachlorophenylalanine-induced serotonin depletion increases offensive but not defensive aggression in male rats. <i>Physiology and Behavior</i> , 1986 , 36, 653-8	3.5	107
128	Protective effects of brain-derived neurotrophic factor on the development of hippocampal kindling in the rat. <i>NeuroReport</i> , 1995 , 6, 1937-41	1.7	101
127	Fetal exposure to GABA-acting antiepileptic drugs generates hippocampal and cortical dysplasias. <i>Epilepsia</i> , 2007 , 48, 684-93	6.4	100
126	Dopamine in the striatum modulates seizures in a genetic model of absence epilepsy in the rat. <i>Neuroscience</i> , 2000 , 100, 335-44	3.9	97
125	Suppressive effects of intranigral injection of muscimol in three models of generalized non-convulsive epilepsy induced by chemical agents. <i>Brain Research</i> , 1989 , 498, 64-72	3.7	96
124	Inflammatory changes during epileptogenesis and spontaneous seizures in a mouse model of mesiotemporal lobe epilepsy. <i>Epilepsia</i> , 2011 , 52, 2315-25	6.4	95
123	Inhibition of the substantia nigra suppresses absences and clonic seizures in audiogenic rats, but not tonic seizures: evidence for seizure specificity of the nigral control. <i>Neuroscience</i> , 2001 , 105, 203-11	3.9	90
122	Characterization of pretentorial periaqueductal gray matter neurons mediating intraspecific defensive behaviors in the rat by microinjections of kainic acid. <i>Brain Research</i> , 1989 , 486, 121-32	3.7	89
121	Elicitation of intraspecific defensive behaviors in the rat by microinjection of picrotoxin, a gamma-aminobutyric acid antagonist, into the midbrain periaqueductal gray matter. <i>Brain Research</i> , 1986 , 367, 87-95	3.7	87

120	Evidence that activation of GABA receptors in the substantia nigra suppresses spontaneous spike-and-wave discharges in the rat. <i>Brain Research</i> , 1988 , 448, 20-9	3.7	83
119	Amygdala kindling in the rat: anxiogenic-like consequences. <i>Neuroscience</i> , 1996 , 73, 971-8	3.9	79
118	High temporal resolution for in vivo monitoring of neurotransmitters in awake epileptic rats using brain microdialysis and capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Neuroscience Methods</i> , 2004 , 140, 29-38	3	77
117	Elicitation of intraspecific defence reactions in the rat from midbrain periaqueductal grey by microinjection of kainic acid, without neurotoxic effects. <i>Neuroscience Letters</i> , 1988 , 88, 291-6	3.3	77
116	Midbrain Periaqueductal Gray Control of Defensive Behavior in the Cat and the Rat 1991 , 175-198		75
115	PET evidence for a role of the basal ganglia in patients with ring chromosome 20 epilepsy. <i>Neurology</i> , 2004 , 63, 73-7	6.5	74
114	Brain-derived neurotrophic factor delays hippocampal kindling in the rat. <i>Neuroscience</i> , 2000 , 100, 777-88	3.9	74
113	Selective increase of offensive behavior in the rat following intrahypothalamic 5,7-DHT-induced serotonin depletion. <i>Behavioural Brain Research</i> , 1988 , 29, 85-91	3.4	74
112	Ultrasonic vocalization (22-28 kHz) in a model of chronic pain, the arthritic rat: effects of analgesic drugs. <i>NeuroReport</i> , 1996 , 7, 581-4	1.7	72
111	The genetic absence epilepsy rat from Strasbourg as a model to decipher the neuronal and network mechanisms of generalized idiopathic epilepsies. <i>Journal of Neuroscience Methods</i> , 2016 , 260, 159-74	3	70
110	Effects of drugs affecting dopaminergic neurotransmission in rats with spontaneous petit mal-like seizures. <i>Neuropharmacology</i> , 1988 , 27, 269-74	5.5	70
109	Relationship between spike-wave discharges and vigilance levels in rats with spontaneous petit mal-like epilepsy. <i>Neuroscience Letters</i> , 1988 , 94, 187-91	3.3	69
108	High-precision radiosurgical dose delivery by interlaced microbeam arrays of high-flux low-energy synchrotron X-rays. <i>PLoS ONE</i> , 2010 , 5, e9028	3.7	69
107	Involvement of nigral glutamatergic inputs in the control of seizures in a genetic model of absence epilepsy in the rat. <i>Neuroscience</i> , 1996 , 71, 721-8	3.9	68
106	Overexpression of neuropeptide Y induced by brain-derived neurotrophic factor in the rat hippocampus is long lasting. <i>European Journal of Neuroscience</i> , 2000 , 12, 595-605	3.5	67
105	Neuroprotective effects of chronic estradiol benzoate treatment on hippocampal cell loss induced by status epilepticus in the female rat. <i>Neuroscience Letters</i> , 2000 , 281, 79-82	3.3	65
104	A genetic switch for epilepsy in adult mice. <i>Journal of Neuroscience</i> , 2004 , 24, 10568-78	6.6	63
103	NADPH oxidases as drug targets and biomarkers in neurodegenerative diseases: What is the evidence?. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 387-396	7.8	60

102	Deep brain stimulation in epilepsy: what is next?. <i>Current Opinion in Neurology</i> , 2010 , 23, 177-82	7.1	59
101	Controlling seizures is not controlling epilepsy: a parametric study of deep brain stimulation for epilepsy. <i>Neurobiology of Disease</i> , 2007 , 27, 292-300	7.5	57
100	Effects of drugs affecting noradrenergic neurotransmission in rats with spontaneous petit mal-like seizures. <i>European Journal of Pharmacology</i> , 1987 , 135, 397-402	5.3	57
99	Anxiogenic-like consequences in animal models of complex partial seizures. <i>Neuroscience and Biobehavioral Reviews</i> , 1997 , 21, 767-74	9	56
98	Epilepsy in Dcx knockout mice associated with discrete lamination defects and enhanced excitability in the hippocampus. <i>PLoS ONE</i> , 2008 , 3, e2473	3.7	56
97	Role of the subthalamo-nigral input in the control of amygdala-kindled seizures in the rat. <i>Brain Research</i> , 1998 , 807, 78-83	3.7	55
96	Specific in vivo staining of astrocytes in the whole brain after intravenous injection of sulforhodamine dyes. <i>PLoS ONE</i> , 2012 , 7, e35169	3.7	52
95	Involvement of the nigral output pathways in the inhibitory control of the substantia nigra over generalized non-convulsive seizures in the rat. <i>Neuroscience</i> , 1990 , 39, 339-49	3.9	51
94	Emerging Principles of Organization of the Midbrain Periaqueductal Gray Matter 1991 , 1-8		51
93	Glutamate receptor antagonists and benzodiazepine inhibit the progression of granule cell dispersion in a mouse model of mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2005 , 46, 193-202	6.4	49
92	Differential Effects of Antiepileptic Drugs on Focal Seizures in the Intrahippocampal Kainate Mouse Model of Mesial Temporal Lobe Epilepsy. <i>CNS Neuroscience and Therapeutics</i> , 2016 , 22, 497-506	6.8	48
91	Seizure expression, behavior, and brain morphology differences in colonies of Genetic Absence Epilepsy Rats from Strasbourg. <i>Epilepsia</i> , 2014 , 55, 1959-68	6.4	47
90	Audiogenic seizures in Wistar rats before and after repeated auditory stimuli: clinical, pharmacological, and electroencephalographic studies. <i>Journal of Neural Transmission</i> , 1988 , 72, 235-44	4.3	47
89	Do seizures and epileptic activity worsen epilepsy and deteriorate cognitive function?. <i>Epilepsia</i> , 2013 , 54 Suppl 8, 14-21	6.4	46
88	Genetic Models of Absence Epilepsy in the Rat 2006 , 233-248		45
87	Different representations of inescapable noxious stimuli in the periaqueductal gray and upper cervical spinal cord of freely moving rats. <i>Neuroscience Letters</i> , 2001 , 313, 17-20	3.3	45
86	Are rats with genetic absence epilepsy behaviorally impaired?. <i>Epilepsy Research</i> , 1991 , 9, 97-104	3	45
85	Neuropeptide Y and epilepsy: varying effects according to seizure type and receptor activation. <i>Peptides</i> , 2001 , 22, 529-39	3.8	44

84	Ontogeny of spontaneous petit mal-like seizures in Wistar rats. <i>Developmental Brain Research</i> , 1986 , 30, 85-87		44
83	Involvement of the thalamic parafascicular nucleus in mesial temporal lobe epilepsy. <i>Journal of Neuroscience</i> , 2010 , 30, 16523-35	6.6	43
82	Endogenous control of hippocampal epileptogenesis: a molecular cascade involving brain-derived neurotrophic factor and neuropeptide Y. <i>Epilepsia</i> , 2000 , 41 Suppl 6, S127-33	6.4	43
81	GABAergic influences on defensive fighting in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1982 , 17, 451-6	3.9	42
80	Activation of mTOR signaling pathway is secondary to neuronal excitability in a mouse model of mesio-temporal lobe epilepsy. <i>European Journal of Neuroscience</i> , 2015 , 41, 976-88	3.5	41
79	Manipulating the epileptic brain using stimulation: a review of experimental and clinical studies. <i>Epileptic Disorders</i> , 2009 , 11, 100-12	1.9	40
78	Interhemispheric desynchronization of spontaneous spike-wave discharges by corpus callosum transection in rats with petit mal-like epilepsy. <i>Epilepsy Research</i> , 1989 , 4, 8-13	3	39
77	Dentate gyrus and hilus transection blocks seizure propagation and granule cell dispersion in a mouse model for mesial temporal lobe epilepsy. <i>Hippocampus</i> , 2011 , 21, 334-43	3.5	37
76	Suppression of spontaneous generalized non-convulsive seizures in the rat by microinjection of GABA antagonists into the superior colliculus. <i>Epilepsy Research</i> , 1990 , 5, 192-8	3	36
75	Effects of gamma-hydroxybutyrate and gamma-butyrolactone derivatives on spontaneous generalized non-convulsive seizures in the rat. <i>Neuropharmacology</i> , 1988 , 27, 683-9	5.5	35
74	Biphasic effects of Ro 15-1788 on spontaneous petit mal-like seizures in rats. <i>European Journal of Pharmacology</i> , 1984 , 102, 355-9	5.3	35
73	Animal models to study aetiopathology of epilepsy: what are the features to model?. <i>Epileptic Disorders</i> , 2012 , 14, 217-25	1.9	34
72	Neuropeptide Y delays hippocampal kindling in the rat. <i>Hippocampus</i> , 2003 , 13, 557-60	3.5	34
71	Short-term changes in bilateral hippocampal coherence precede epileptiform events. <i>NeuroImage</i> , 2007 , 38, 138-49	7.9	33
70	Effects of cholinergic drugs on genetic absence seizures in rats. <i>European Journal of Pharmacology</i> , 1993 , 234, 263-8	5.3	33
69	Diazepam dissociates the analgesic and aversive effects of periaqueductal gray stimulation in the rat. <i>Brain Research</i> , 1987 , 423, 395-8	3.7	33
68	Positive transfer of audiogenic kindling to electrical hippocampal kindling in rats. <i>Epilepsy Research</i> , 1992 , 11, 159-66	3	32
67	Potentiation of gamma-vinyl GABA (vigabatrin) effects by glycine. <i>European Journal of Pharmacology</i> , 1990 , 182, 109-15	5.3	32

66	Kindling of audiogenic seizures in the rat. <i>International Journal of Neuroscience</i> , 1987 , 36, 167-76	2	31
65	Evidence for the involvement of the pallidum in the modulation of seizures in a genetic model of absence epilepsy in the rat. <i>Neuroscience Letters</i> , 1999 , 265, 131-4	3.3	29
64	Induced down-regulation of neuropeptide Y-Y1 receptors delays initiation of kindling. <i>European Journal of Neuroscience</i> , 2003 , 18, 768-74	3.5	28
63	Evidence for a role of the parafascicular nucleus of the thalamus in the control of epileptic seizures by the superior colliculus. <i>Epilepsia</i> , 2005 , 46, 141-5	6.4	28
62	Mesopontine cholinergic control over generalized non-convulsive seizures in a genetic model of absence epilepsy in the rat. <i>Neuroscience</i> , 1995 , 69, 1183-93	3.9	28
61	Elicitation of conspecific attack or defense in the male rat by intraventricular injection of a GABA agonist or antagonist. <i>Physiology and Behavior</i> , 1985 , 35, 447-53	3.5	28
60	The control of seizures by the basal ganglia? A review of experimental data. <i>Epileptic Disorders</i> , 2002 , 4 Suppl 3, S61-72	1.9	28
59	Occurrence of the synthetic analgesic tramadol in an African medicinal plant. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11780-4	16.4	27
58	WONOE appraisal: Biomarkers of epilepsy-associated comorbidities. <i>Epilepsia</i> , 2017 , 58, 331-342	6.4	26
57	Pathophysiology of absence epilepsy: Insights from genetic models. <i>Neuroscience Letters</i> , 2018 , 667, 53-65	3.3	26
56	BDNF and epilepsy--the bad could turn out to be good. <i>Trends in Neurosciences</i> , 2001 , 24, 318-9	13.3	26
55	Induction of mouse-killing in the rat by intraventricular injection of a GABA-agonist. <i>Physiology and Behavior</i> , 1983 , 30, 383-8	3.5	26
54	The GABAA receptor complex in experimental absence seizures in rat: an autoradiographic study. <i>Neuroscience Letters</i> , 1992 , 140, 9-12	3.3	25
53	22-28 kHz ultrasonic vocalizations associated with defensive reactions in male rats do not result from fear or aversion. <i>Psychopharmacology</i> , 1993 , 111, 190-4	4.7	24
52	High-Throughput LC-MS/MS Proteomic Analysis of a Mouse Model of Mesiotemporal Lobe Epilepsy Predicts Microglial Activation Underlying Disease Development. <i>Journal of Proteome Research</i> , 2016 , 15, 1546-62	5.6	24
51	The GABAergic nigro-collicular pathway is not involved in the inhibitory control of audiogenic seizures in the rat. <i>Neuroscience Letters</i> , 1990 , 111, 269-74	3.3	23
50	Neural adaptation to responsive stimulation: a comparison of auditory and deep brain stimulation in a rat model of absence epilepsy. <i>Brain Stimulation</i> , 2013 , 6, 241-7	5.1	22
49	Synchrotron X-ray interlaced microbeams suppress paroxysmal oscillations in neuronal networks initiating generalized epilepsy. <i>Neurobiology of Disease</i> , 2013 , 51, 152-60	7.5	22

48	Building Up Absence Seizures in the Somatosensory Cortex: From Network to Cellular Epileptogenic Processes. <i>Cerebral Cortex</i> , 2017 , 27, 4607-4623	5.1	22
47	Microfabrication, characterization and in vivo MRI compatibility of diamond microelectrodes array for neural interfacing. <i>Materials Science and Engineering C</i> , 2015 , 46, 25-31	8.3	21
46	Intrathalamic injections of gamma-hydroxybutyric acid increase genetic absence seizures in rats. <i>Neuroscience Letters</i> , 1991 , 125, 19-21	3.3	21
45	A microcomputer method for behavioral data acquisition and subsequent analysis. <i>Pharmacology Biochemistry and Behavior</i> , 1983 , 19, 729-32	3.9	21
44	Animal models for mesiotemporal lobe epilepsy: The end of a misunderstanding?. <i>Revue Neurologique</i> , 2015 , 171, 217-26	3	20
43	Comparative study of five antiepileptic drugs on a translational cognitive measure in the rat: relationship to antiepileptic property. <i>Psychopharmacology</i> , 2010 , 207, 513-27	4.7	20
42	Nucleus basalis lesions suppress spike and wave discharges in rats with spontaneous absence-epilepsy. <i>Neuroscience</i> , 1994 , 59, 531-9	3.9	20
41	Suppression of absence seizures by electrical and pharmacological activation of the caudal superior colliculus in a genetic model of absence epilepsy in the rat. <i>Experimental Neurology</i> , 2002 , 177, 503-14	5.7	19
40	Reciprocal positive transfer between kindling of audiogenic seizures and electrical kindling of inferior colliculus. <i>Epilepsy Research</i> , 1993 , 15, 133-9	3	19
39	Bidirectional effects of beta-carbolines in rats with spontaneous petit mal-like seizures. <i>Brain Research Bulletin</i> , 1987 , 19, 327-35	3.9	18
38	Opposite effects of agonist and inverse agonist ligands of benzodiazepine receptor on self-defensive and submissive postures in the rat. <i>Psychopharmacology</i> , 1991 , 103, 56-61	4.7	17
37	Relationship between analgesia and cardiovascular changes induced by electrical stimulation of the mesencephalic periaqueductal gray matter in the rat. <i>Brain Research</i> , 1988 , 451, 326-32	3.7	16
36	Relationship between mousekilling and conspecific aggression in the male rat. <i>Aggressive Behavior</i> , 1983 , 9, 259-268	2.8	16
35	Assessing Susceptibility to Epilepsy in Three Rat Strains Using Brain Metabolic Profiling Based on HRMAS NMR Spectroscopy and Chemometrics. <i>Journal of Proteome Research</i> , 2015 , 14, 2177-89	5.6	15
34	Lesions of noradrenergic neurons in rats with spontaneous generalized non-convulsive epilepsy. <i>Epilepsy Research</i> , 1991 , 9, 79-85	3	15
33	Activation of GABA receptors controls mesiotemporal lobe epilepsy despite changes in chloride transporters expression: In vivo and in silico approach. <i>Experimental Neurology</i> , 2016 , 284, 11-28	5.7	15
32	Synchrotron X-ray microbeams: A promising tool for drug-resistant epilepsy treatment. <i>Physica Medica</i> , 2015 , 31, 607-14	2.7	14
31	Dorsal tegmentum kindling in rats. <i>Neuroscience Letters</i> , 1992 , 134, 284-7	3.3	14

30	Synchrotron X-ray microtransections: a non invasive approach for epileptic seizures arising from eloquent cortical areas. <i>Scientific Reports</i> , 2016 , 6, 27250	4.9	13
29	Right temporal cerebral dysfunction heralds symptoms of acute mountain sickness. <i>Journal of Neurology</i> , 2007 , 254, 359-63	5.5	13
28	Anticonvulsant effect of muscimol injected into the thalamus of spontaneously epileptic Mongolian gerbils. <i>Brain Research</i> , 1989 , 487, 363-7	3.7	13
27	Gabaergic modulation of mouse-killing in the rat. <i>Psychopharmacology</i> , 1984 , 83, 367-72	4.7	13
26	Revisiting hippocampal sclerosis in mesial temporal lobe epilepsy according to the "two-hit" hypothesis. <i>Revue Neurologique</i> , 2015 , 171, 227-35	3	11
25	Sensory coding is impaired in rat absence epilepsy. <i>Journal of Physiology</i> , 2019 , 597, 951-966	3.9	11
24	Is ictal dystonia associated with an inhibitory effect on seizure propagation in focal epilepsies?. <i>Epilepsy Research</i> , 2012 , 99, 274-80	3	10
23	Glial responses during epileptogenesis in <i>Mus musculus</i> point to potential therapeutic targets. <i>PLoS ONE</i> , 2018 , 13, e0201742	3.7	10
22	Modifications of local cerebral glucose utilization in thalamic structures following injection of a dopaminergic agonist in the nucleus accumbens--involvement in antiepileptic effects?. <i>Experimental Neurology</i> , 2004 , 188, 452-60	5.7	9
21	Reprogramming reactive glia into interneurons reduces chronic seizure activity in a mouse model of mesial temporal lobe epilepsy. <i>Cell Stem Cell</i> , 2021 , 28, 2104-2121.e10	18	9
20	Long-term modifications of epileptogenesis and hippocampal rhythms after prolonged hyperthermic seizures in the mouse. <i>Neurobiology of Disease</i> , 2014 , 69, 156-68	7.5	8
19	Experimental Treatment Options in Absence Epilepsy. <i>Current Pharmaceutical Design</i> , 2017 , 23, 5577-5593	3	7
18	In vivo γ -aminobutyric acid increase as a biomarker of the epileptogenic zone: An unbiased metabolomics approach. <i>Epilepsia</i> , 2021 , 62, 163-175	6.4	7
17	Identification and characterization of outcome measures reported in animal models of epilepsy: Protocol for a systematic review of the literature-A TASK2 report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017 , 58 Suppl 4, 68-77	6.4	5
16	Genetic Models of Absence Epilepsy in Rats and Mice 2017 , 455-471		5
15	Occurrence of the Synthetic Analgesic Tramadol in an African Medicinal Plant. <i>Angewandte Chemie</i> , 2013 , 125, 11996-12000	3.6	5
14	Immediate effects of 14 non MAOI antidepressants in rats with spontaneous petit mal-like seizures. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1990 , 14, 261-70	5.5	5
13	Early reduced dopaminergic tone mediated by D3 receptor and dopamine transporter in absence epileptogenesis. <i>Epilepsia</i> , 2019 , 60, 2128-2140	6.4	4

12	Hypothalamic response to experimental allergic encephalomyelitis: role of substance P. <i>NeuroImmunoModulation</i> , 2004 , 11, 28-35	2.5	4
11	Long-term effects of febrile status epilepticus: What animal models can tell us?. <i>Epilepsia</i> , 2009 , 50 Suppl 12, 27-8	6.4	3
10	In silico dynamic molecular interaction networks for the discovery of new therapeutic targets. <i>Current Pharmaceutical Design</i> , 2010 , 16, 2241-51	3.3	2
9	Opposite effects of pentylenetetrazol on self-defensive and submissive postures in the rat. <i>Psychopharmacology</i> , 1992 , 107, 457-60	4.7	2
8	Quantitative analysis and computer simulation of oxytocin-neurophysin processing in the rat neurohypophysis. <i>Neurochemistry International</i> , 1991 , 19, 297-312	4.4	2
7	Neurovascular multiparametric MRI defines epileptogenic and seizure propagation regions in experimental mesiotemporal lobe epilepsy. <i>Epilepsia</i> , 2021 , 62, 1244-1255	6.4	2
6	Radiation Therapy Using Synchrotron Radiation: Preclinical Studies Toward Clinical Trials. <i>Synchrotron Radiation News</i> , 2011 , 24, 8-12	0.6	1
5	Protective Effects of Brain-Derived Neurotrophic Factor in Hippocampal Kindling. <i>Advances in Behavioral Biology</i> , 1998 , 409-420		1
4	La souris MTLE: un modèle valide pour l'évaluation de molécules anti-épileptiques pour le traitement de l'épilepsie mésiotemporale. <i>Epilepsies</i> , 2009 , 21, 184-192		0
3	Epilepsy: Animal Models to Reproduce Human Etiopathology. <i>Methods and Principles in Medicinal Chemistry</i> , 2014 , 415-430	0.4	
2	Physiopathologie des crises d'épilepsie. <i>EMC - Neurologie</i> , 2004 , 1, 1-10		
1	Control of Epileptic Seizures. <i>Advances in Behavioral Biology</i> , 2002 , 169-178		