

Teresa Ravizza

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

8,547
citations

46
h-index

80
g-index

80
ext. papers

9,654
ext. citations

7.8
avg, IF

5.94
L-index

#	Paper	IF	Citations
78	Toll-like receptor 4 and high-mobility group box-1 are involved in ictogenesis and can be targeted to reduce seizures. <i>Nature Medicine</i> , 2010 , 16, 413-9	50.5	638
77	Innate and adaptive immunity during epileptogenesis and spontaneous seizures: evidence from experimental models and human temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2008 , 29, 142-60	7.5	521
76	Interleukin-1beta immunoreactivity and microglia are enhanced in the rat hippocampus by focal kainate application: functional evidence for enhancement of electrographic seizures. <i>Journal of Neuroscience</i> , 1999 , 19, 5054-65	6.6	484
75	The role of cytokines in the pathophysiology of epilepsy. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 797-803	36.6	399
74	Inflammatory cytokines and related genes are induced in the rat hippocampus by limbic status epilepticus. <i>European Journal of Neuroscience</i> , 2000 , 12, 2623-33	3.5	378
73	Powerful anticonvulsant action of IL-1 receptor antagonist on intracerebral injection and astrocytic overexpression in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 11534-9	11.5	368
72	Functional role of inflammatory cytokines and antiinflammatory molecules in seizures and epileptogenesis. <i>Epilepsia</i> , 2002 , 43 Suppl 5, 30-5	6.4	300
71	Neuroinflammatory pathways as treatment targets and biomarkers in epilepsy. <i>Nature Reviews Neurology</i> , 2019 , 15, 459-472	15	225
70	Interleukin-1 biosynthesis inhibition reduces acute seizures and drug resistant chronic epileptic activity in mice. <i>Neurotherapeutics</i> , 2011 , 8, 304-15	6.4	218
69	The IL-1beta system in epilepsy-associated malformations of cortical development. <i>Neurobiology of Disease</i> , 2006 , 24, 128-43	7.5	218
68	A novel non-transcriptional pathway mediates the proconvulsive effects of interleukin-1beta. <i>Brain</i> , 2008 , 131, 3256-65	11.2	209
67	Anticonvulsant and antiepileptogenic effects mediated by adeno-associated virus vector neuropeptide Y expression in the rat hippocampus. <i>Journal of Neuroscience</i> , 2004 , 24, 3051-9	6.6	209
66	Glia activation and cytokine increase in rat hippocampus by kainic acid-induced status epilepticus during postnatal development. <i>Neurobiology of Disease</i> , 2003 , 14, 494-503	7.5	201
65	Advances in the development of biomarkers for epilepsy. <i>Lancet Neurology</i> , 2016 , 15, 843-856	24.1	200
64	Epileptogenesis provoked by prolonged experimental febrile seizures: mechanisms and biomarkers. <i>Journal of Neuroscience</i> , 2010 , 30, 7484-94	6.6	198
63	Seizure-induced brain-borne inflammation sustains seizure recurrence and blood-brain barrier damage. <i>Annals of Neurology</i> , 2012 , 72, 82-90	9.4	179
62	Activation of Toll-like receptor, RAGE and HMGB1 signalling in malformations of cortical development. <i>Brain</i> , 2011 , 134, 1015-32	11.2	162

61	Glia as a source of cytokines: implications for neuronal excitability and survival. <i>Epilepsia</i> , 2008 , 49 Suppl 2, 24-32	6.4	154
60	Tumor necrosis factor-alpha inhibits seizures in mice via p75 receptors. <i>Annals of Neurology</i> , 2005 , 57, 804-12	9.4	150
59	Inflammation and prevention of epileptogenesis. <i>Neuroscience Letters</i> , 2011 , 497, 223-30	3.3	149
58	Interleukin Converting Enzyme inhibition impairs kindling epileptogenesis in rats by blocking astrocytic IL-1beta production. <i>Neurobiology of Disease</i> , 2008 , 31, 327-33	7.5	143
57	Status epilepticus induces time-dependent neuronal and astrocytic expression of interleukin-1 receptor type I in the rat limbic system. <i>Neuroscience</i> , 2006 , 137, 301-8	3.9	139
56	Interleukin-1 type 1 receptor/Toll-like receptor signalling in epilepsy: the importance of IL-1beta and high-mobility group box 1. <i>Journal of Internal Medicine</i> , 2011 , 270, 319-26	10.8	136
55	Inactivation of caspase-1 in rodent brain: a novel anticonvulsive strategy. <i>Epilepsia</i> , 2006 , 47, 1160-8	6.4	136
54	Inflammatory response and glia activation in developing rat hippocampus after status epilepticus. <i>Epilepsia</i> , 2005 , 46 Suppl 5, 113-7	6.4	136
53	Astrocyte immune responses in epilepsy. <i>Glia</i> , 2012 , 60, 1258-68	9	134
52	Pharmacological blockade of IL-1/IL-1 receptor type 1 axis during epileptogenesis provides neuroprotection in two rat models of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2013 , 59, 183-93	7.5	126
51	Review: Neuroinflammatory pathways as treatment targets and biomarker candidates in epilepsy: emerging evidence from preclinical and clinical studies. <i>Neuropathology and Applied Neurobiology</i> , 2018 , 44, 91-111	5.2	123
50	Receptor for Advanced Glycation Endproducts is upregulated in temporal lobe epilepsy and contributes to experimental seizures. <i>Neurobiology of Disease</i> , 2013 , 58, 102-14	7.5	121
49	Blockade of the IL-1R1/TLR4 pathway mediates disease-modification therapeutic effects in a model of acquired epilepsy. <i>Neurobiology of Disease</i> , 2017 , 99, 12-23	7.5	114
48	Brain-derived neurotrophic factor immunoreactivity in the limbic system of rats after acute seizures and during spontaneous convulsions: temporal evolution of changes as compared to neuropeptide Y. <i>Neuroscience</i> , 1999 , 90, 1445-61	3.9	92
47	Seizure susceptibility and epileptogenesis are decreased in transgenic rats overexpressing neuropeptide Y. <i>Neuroscience</i> , 2002 , 110, 237-43	3.9	87
46	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. <i>Brain</i> , 2017 , 140, 1885-1899	11.2	86
45	Age-dependent vascular changes induced by status epilepticus in rat forebrain: implications for epileptogenesis. <i>Neurobiology of Disease</i> , 2009 , 34, 121-32	7.5	75
44	Dynamic induction of the long pentraxin PTX3 in the CNS after limbic seizures: evidence for a protective role in seizure-induced neurodegeneration. <i>Neuroscience</i> , 2001 , 105, 43-53	3.9	75

43	IL-1 β s induced in reactive astrocytes in the somatosensory cortex of rats with genetic absence epilepsy at the onset of spike-and-wave discharges, and contributes to their occurrence. <i>Neurobiology of Disease</i> , 2011 , 44, 259-69	7.5	73
42	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. <i>Brain</i> , 2019 , 142, e39	11.2	72
41	Inflammatory events in hippocampal slice cultures prime neuronal susceptibility to excitotoxic injury: a crucial role of P2X7 receptor-mediated IL-1 β release. <i>Journal of Neurochemistry</i> , 2008 , 106, 271-80	6	72
40	Molecular and functional interactions between tumor necrosis factor- α receptors and the glutamatergic system in the mouse hippocampus: implications for seizure susceptibility. <i>Neuroscience</i> , 2009 , 161, 293-300	3.9	69
39	In vivo imaging of glia activation using 1H-magnetic resonance spectroscopy to detect putative biomarkers of tissue epileptogenicity. <i>Epilepsia</i> , 2012 , 53, 1907-16	6.4	62
38	High Mobility Group Box 1 is a novel pathogenic factor and a mechanistic biomarker for epilepsy. <i>Brain, Behavior, and Immunity</i> , 2018 , 72, 14-21	16.6	60
37	Molecular isoforms of high-mobility group box 1 are mechanistic biomarkers for epilepsy. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2118-2132	15.9	60
36	Inflammation and epilepsy. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2012 , 107, 163-75	3	56
35	ICE/caspase 1 inhibitors and IL-1 β receptor antagonists as potential therapeutics in epilepsy. <i>Current Opinion in Investigational Drugs</i> , 2010 , 11, 43-50		55
34	The dual role of TNF- α and its receptors in seizures. <i>Experimental Neurology</i> , 2013 , 247, 267-71	5.7	51
33	Inflammation and reactive oxygen species as disease modifiers in epilepsy. <i>Neuropharmacology</i> , 2020 , 167, 107742	5.5	49
32	Pharmacological targeting of brain inflammation in epilepsy: Therapeutic perspectives from experimental and clinical studies. <i>Epilepsia Open</i> , 2018 , 3, 133-142	4	44
31	Determinants of drug brain uptake in a rat model of seizure-associated malformations of cortical development. <i>Neurobiology of Disease</i> , 2006 , 24, 429-42	7.5	44
30	Cognitive deficits and brain myo-Inositol are early biomarkers of epileptogenesis in a rat model of epilepsy. <i>Neurobiology of Disease</i> , 2016 , 93, 146-55	7.5	42
29	Seizures in the developing brain. <i>Epilepsia</i> , 2004 , 45 Suppl 8, 6-12	6.4	41
28	Sex differences in GABA(A)ergic system in rat substantia nigra pars reticulata. <i>International Journal of Developmental Neuroscience</i> , 2003 , 21, 245-54	2.7	41
27	Basic mechanisms of status epilepticus due to infection and inflammation. <i>Epilepsia</i> , 2009 , 50 Suppl 12, 56-7	6.4	37
26	Inflammation and reactive oxygen species in status epilepticus: Biomarkers and implications for therapy. <i>Epilepsy and Behavior</i> , 2019 , 101, 106275	3.2	34

25	Neuroinflammation imaging markers for epileptogenesis. <i>Epilepsia</i> , 2017 , 58 Suppl 3, 11-19	6.4	30
24	Neuroinflammation Alters Integrative Properties of Rat Hippocampal Pyramidal Cells. <i>Molecular Neurobiology</i> , 2018 , 55, 7500-7511	6.2	27
23	Common data elements and data management: Remedy to cure underpowered preclinical studies. <i>Epilepsy Research</i> , 2017 , 129, 87-90	3	26
22	WONOE appraisal: Biomarkers of epilepsy-associated comorbidities. <i>Epilepsia</i> , 2017 , 58, 331-342	6.4	26
21	The immunoproteasome β i subunit is a key contributor to ictogenesis in a rat model of chronic epilepsy. <i>Brain, Behavior, and Immunity</i> , 2015 , 49, 188-96	16.6	24
20	Expression of glutamate receptor subtypes in the spinal cord of control and mnd mice, a model of motor neuron disorder. <i>Journal of Neuroscience Research</i> , 2002 , 70, 553-60	4.4	23
19	Circling behavior and [14C]2-deoxyglucose mapping in rats: possible implications for autistic repetitive behaviors. <i>Neurobiology of Disease</i> , 2005 , 18, 346-55	7.5	22
18	Viral Triggers and Inflammatory Mechanisms in Pediatric Epilepsy. <i>Molecular Neurobiology</i> , 2019 , 56, 1897-1907	6.2	19
17	Glia-Neuron Interactions in Ictogenesis and Epileptogenesis 2012 , 618-634		16
16	A companion to the preclinical common data elements for pharmacologic studies in animal models of seizures and epilepsy. A Report of the TASK3 Pharmacology Working Group of the ILAE/AES Joint Translational Task Force. <i>Epilepsia Open</i> , 2018 , 3, 53-68	4	15
15	Biomarkers of Epileptogenesis: The Focus on Glia and Cognitive Dysfunctions. <i>Neurochemical Research</i> , 2017 , 42, 2089-2098	4.6	14
14	TLR3 preconditioning induces anti-inflammatory and anti-ictogenic effects in mice mediated by the IRF3/IFN- β axis. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 598-607	16.6	10
13	Immunity activation in brain cells in epilepsy: mechanistic insights and pathological consequences. <i>Neuropediatrics</i> , 2013 , 44, 330-5	1.6	10
12	In-depth characterization of a mouse model of post-traumatic epilepsy for biomarker and drug discovery. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 76	7.3	8
11	A systems-level analysis highlights microglial activation as a modifying factor in common forms of human epilepsy		6
10	CXCL1-CXCR1/2 signaling is induced in human temporal lobe epilepsy and contributes to seizures in a murine model of acquired epilepsy. <i>Neurobiology of Disease</i> , 2021 , 158, 105468	7.5	5
9	Glia-Neuron interactions in epilepsy: Inflammatory mediators. <i>Epilepsia</i> , 2010 , 51, 55-55	6.4	4
8	Development of In Vivo Imaging Tools for Investigating Astrocyte Activation in Epileptogenesis. <i>Molecular Neurobiology</i> , 2018 , 55, 4463-4472	6.2	3

7	Brain Inflammation and Epilepsy 2010 , 45-59		3
6	Microglia proliferation plays distinct roles in acquired epilepsy depending on disease stages. <i>Epilepsia</i> , 2021 , 62, 1931-1945	6.4	3
5	A systems-level analysis highlights microglial activation as a modifying factor in common epilepsies. <i>Neuropathology and Applied Neurobiology</i> , 2021 ,	5.2	2
4	Experimental Models of Inflammation in Epilepsy Research 2017 , 961-974		1
3	Emerging Molecular Mechanisms of Neuroinflammation in Seizure Disorders. <i>Agents and Actions Supplements</i> , 2021 , 21-43	0.2	1
2	Targeting Oxidative Stress with Antioxidant Duotherapy after Experimental Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
1	Ictogenic and Epileptogenic Mechanisms of Neuroinflammation: Insights From Animal Models 2018 , 23-31		