

Silvia Balosso

List of Publications by Citations

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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.

34
papers

3,699
citations

26
h-index

35
g-index

35
ext. papers

4,315
ext. citations

9.2
avg, IF

5.41
L-index

#	Paper	IF	Citations
34	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
33	The role of cytokines in the pathophysiology of epilepsy. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 797-803	36.6	399
32	IL-1 receptor/Toll-like receptor signaling in infection, inflammation, stress and neurodegeneration couples hyperexcitability and seizures. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 1281-9	16.6	273
31	Neuroinflammatory pathways as treatment targets and biomarkers in epilepsy. <i>Nature Reviews Neurology</i> , 2019 , 15, 459-472	15	225
30	Interleukin-1β biosynthesis inhibition reduces acute seizures and drug resistant chronic epileptic activity in mice. <i>Neurotherapeutics</i> , 2011 , 8, 304-15	6.4	218
29	A novel non-transcriptional pathway mediates the proconvulsive effects of interleukin-1beta. <i>Brain</i> , 2008 , 131, 3256-65	11.2	209
28	Glia as a source of cytokines: implications for neuronal excitability and survival. <i>Epilepsia</i> , 2008 , 49 Suppl 2, 24-32	6.4	154
27	Tumor necrosis factor-alpha inhibits seizures in mice via p75 receptors. <i>Annals of Neurology</i> , 2005 , 57, 804-12	9.4	150
26	Inflammation and prevention of epileptogenesis. <i>Neuroscience Letters</i> , 2011 , 497, 223-30	3.3	149
25	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
24	Inactivation of caspase-1 in rodent brain: a novel anticonvulsive strategy. <i>Epilepsia</i> , 2006 , 47, 1160-8	6.4	136
23	Disulfide-containing high mobility group box-1 promotes N-methyl-D-aspartate receptor function and excitotoxicity by activating Toll-like receptor 4-dependent signaling in hippocampal neurons. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 1726-40	8.4	114
22	The anti-epileptic actions of neuropeptide Y in the hippocampus are mediated by Y and not Y receptors. <i>European Journal of Neuroscience</i> , 2005 , 22, 1417-30	3.5	108
21	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. <i>Brain</i> , 2017 , 140, 1885-1899	11.2	86
20	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
19	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. <i>Brain</i> , 2019 , 142, e39	11.2	72
18	Inflammatory events in hippocampal slice cultures prime neuronal susceptibility to excitotoxic injury: a crucial role of P2X7 receptor-mediated IL-1beta release. <i>Journal of Neurochemistry</i> , 2008 , 106, 271-80	6	72

17	Molecular and functional interactions between tumor necrosis factor-alpha receptors and the glutamatergic system in the mouse hippocampus: implications for seizure susceptibility. <i>Neuroscience</i> , 2009 , 161, 293-300	3.9	69
16	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
15	Inflammation and epilepsy. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2012 , 107, 163-75	3	56
14	ICE/caspase 1 inhibitors and IL-1beta receptor antagonists as potential therapeutics in epilepsy. <i>Current Opinion in Investigational Drugs</i> , 2010 , 11, 43-50		55
13	The dual role of TNF- α and its receptors in seizures. <i>Experimental Neurology</i> , 2013 , 247, 267-71	5.7	51
12	Inflammation and reactive oxygen species as disease modifiers in epilepsy. <i>Neuropharmacology</i> , 2020 , 167, 107742	5.5	49
11	Basic mechanisms of status epilepticus due to infection and inflammation. <i>Epilepsia</i> , 2009 , 50 Suppl 12, 56-7	6.4	37
10	Status epilepticus-induced pathologic plasticity in a rat model of focal cortical dysplasia. <i>Brain</i> , 2011 , 134, 2828-43	11.2	36
9	Inflammation and reactive oxygen species in status epilepticus: Biomarkers and implications for therapy. <i>Epilepsy and Behavior</i> , 2019 , 101, 106275	3.2	34
8	Neuronal hyperexcitability and seizures are associated with changes in glial-neuronal interactions in the hippocampus of a mouse model of epilepsy with mental retardation. <i>Journal of Neurochemistry</i> , 2010 , 115, 1445-54	6	14
7	Intrinsic Inflammation Is a Potential Anti-Epileptogenic Target in the Organotypic Hippocampal Slice Model. <i>Neurotherapeutics</i> , 2018 , 15, 470-488	6.4	13
6	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
5	Brain Inflammation and Epilepsy 2010 , 45-59		3
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 Duo-therapy 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		