

Josephine Herz

List of Publications by Year in descending order

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43
papers

2,929
citations

236833

25
h-index

254106

43
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all docs

43
docs citations

43
times ranked

4630
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular Vesicles Improve Post-Stroke Neuroregeneration and Prevent Postischemic Immunosuppression. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1131-1143.	1.6	584
2	In Vivo Imaging of Partially Reversible Th17 Cell-Induced Neuronal Dysfunction in the Course of Encephalomyelitis. <i>Immunity</i> , 2010, 33, 424-436.	6.6	291
3	Mesenchymal stem cell-derived extracellular vesicles ameliorate inflammation-induced preterm brain injury. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 220-232.	2.0	218
4	Very-late-antigen-4 (VLA-4)-mediated brain invasion by neutrophils leads to interactions with microglia, increased ischemic injury and impaired behavior in experimental stroke. <i>Acta Neuropathologica</i> , 2015, 129, 259-277.	3.9	210
5	Role of Neutrophils in Exacerbation of Brain Injury After Focal Cerebral Ischemia in Hyperlipidemic Mice. <i>Stroke</i> , 2015, 46, 2916-2925.	1.0	166
6	Activation of kinin receptor B1 limits encephalitogenic T lymphocyte recruitment to the central nervous system. <i>Nature Medicine</i> , 2009, 15, 788-793.	15.2	118
7	Expanding Two-Photon Intravital Microscopy to the Infrared by Means of Optical Parametric Oscillator. <i>Biophysical Journal</i> , 2010, 98, 715-723.	0.2	96
8	Cytotoxic CD8 ⁺ T Cell-Neuron Interactions: Perforin-Dependent Electrical Silencing Precedes But Is Not Causally Linked to Neuronal Cell Death. <i>Journal of Neuroscience</i> , 2009, 29, 15397-15409.	1.7	78
9	Differential immune cell dynamics in the CNS cause CD4 ⁺ T cell compartmentalization. <i>Brain</i> , 2009, 132, 1247-1258.	3.7	78
10	Tracking CNS and systemic sources of oxidative stress during the course of chronic neuroinflammation. <i>Acta Neuropathologica</i> , 2015, 130, 799-814.	3.9	76
11	Transduction of Neural Precursor Cells with TAT-Heat Shock Protein 70 Chaperone: Therapeutic Potential Against Ischemic Stroke after Intrastriatal and Systemic Transplantation. <i>Stem Cells</i> , 2012, 30, 1297-1310.	1.4	72
12	Fingolimod protects against neonatal white matter damage and long-term cognitive deficits caused by hyperoxia. <i>Brain, Behavior, and Immunity</i> , 2016, 52, 106-119.	2.0	69
13	The novel proteasome inhibitor BSc2118 protects against cerebral ischaemia through HIF1A accumulation and enhanced angiogenesis. <i>Brain</i> , 2012, 135, 3282-3297.	3.7	65
14	Interaction between hypothermia and delayed mesenchymal stem cell therapy in neonatal hypoxic-ischemic brain injury. <i>Brain, Behavior, and Immunity</i> , 2018, 70, 118-130.	2.0	65
15	Parallelized TCSPC for Dynamic Intravital Fluorescence Lifetime Imaging: Quantifying Neuronal Dysfunction in Neuroinflammation. <i>PLoS ONE</i> , 2013, 8, e60100.	1.1	63
16	Intracerebroventricularly delivered VEGF promotes contralesional corticorubral plasticity after focal cerebral ischemia via mechanisms involving anti-inflammatory actions. <i>Neurobiology of Disease</i> , 2012, 45, 1077-1085.	2.1	56
17	Early Pro-inflammatory Microglia Activation After Inflammation-Sensitized Hypoxic-Ischemic Brain Injury in Neonatal Rats. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 237.	1.8	56
18	Endogenous hypothermic response to hypoxia reduces brain injury: Implications for modeling hypoxic-ischemic encephalopathy and therapeutic hypothermia in neonatal mice. <i>Experimental Neurology</i> , 2016, 283, 264-275.	2.0	51

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19	Peripheral T Cell Depletion by FTY720 Exacerbates Hypoxic-Ischemic Brain Injury in Neonatal Mice. <i>Frontiers in Immunology</i> , 2018, 9, 1696.	2.2	47
20	Exacerbation of ischemic brain injury in hypercholesterolemic mice is associated with pronounced changes in peripheral and cerebral immune responses. <i>Neurobiology of Disease</i> , 2014, 62, 456-468.	2.1	46
21	New Insights into Adaptive Immunity in Chronic Neuroinflammation. <i>Advances in Immunology</i> , 2007, 96, 1-40.	1.1	42
22	Mesenchymal Stromal Cell-Derived Extracellular Vesicles Reduce Neuroinflammation, Promote Neural Cell Proliferation and Improve Oligodendrocyte Maturation in Neonatal Hypoxic-Ischemic Brain Injury. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 601176.	1.8	36
23	Involvement of CXCL1/CXCR2 During Microglia Activation Following Inflammation-Sensitized Hypoxic-Ischemic Brain Injury in Neonatal Rats. <i>Frontiers in Neurology</i> , 2020, 11, 540878.	1.1	34
24	Erythropoietin Restores Long-Term Neurocognitive Function Involving Mechanisms of Neuronal Plasticity in a Model of Hyperoxia-Induced Preterm Brain Injury. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-13.	1.9	29
25	Geranylgeranylation but Not GTP Loading Determines Rho Migratory Function in T Cells. <i>Journal of Immunology</i> , 2007, 179, 6024-6032.	0.4	27
26	The Role of CD8+ T Cells and Their Local Interaction with CD4+ T Cells in Myelin Oligodendrocyte Glycoprotein-Induced Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2013, 191, 4960-4968.	0.4	24
27	Neutrophil dynamics, plasticity and function in acute neurodegeneration following neonatal hypoxia-ischemia. <i>Brain, Behavior, and Immunity</i> , 2021, 92, 232-242.	2.0	21
28	Regulatory T Cells Contribute to Sexual Dimorphism in Neonatal Hypoxic-Ischemic Brain Injury. <i>Stroke</i> , 2022, 53, 381-390.	1.0	20
29	Zbtb20 Regulates Developmental Neurogenesis in the Olfactory Bulb and Gliogenesis After Adult Brain Injury. <i>Molecular Neurobiology</i> , 2019, 56, 567-582.	1.9	19
30	Peripheral immune cells and perinatal brain injury: a double-edged sword?. <i>Pediatric Research</i> , 2022, 91, 392-403.	1.1	19
31	Dendritic cells tip the balance towards induction of regulatory T cells upon priming in experimental autoimmune encephalomyelitis. <i>Journal of Autoimmunity</i> , 2017, 76, 108-114.	3.0	18
32	Visualization of macroscopic cerebral vessel anatomy: A new and reliable technique in mice. <i>Journal of Neuroscience Methods</i> , 2012, 204, 249-253.	1.3	16
33	Sildenafil Enhances Quantity of Immature Neurons and Promotes Functional Recovery in the Developing Ischemic Mouse Brain. <i>Developmental Neuroscience</i> , 2017, 39, 287-297.	1.0	15
34	Perinatal Hyperoxia and Developmental Consequences on the Lung-Brain Axis. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	1.9	15
35	Repetitive Erythropoietin Treatment Improves Long-Term Neurocognitive Outcome by Attenuating Hypoxia-Induced Hypomyelination in the Developing Brain. <i>Frontiers in Neurology</i> , 2020, 11, 804.	1.1	14
36	Protection of Oligodendrocytes Through Neuronal Overexpression of the Small GTPase Ras in Hyperoxia-Induced Neonatal Brain Injury. <i>Frontiers in Neurology</i> , 2018, 9, 175.	1.1	12

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37	Hypothermia modulates myeloid cell polarization in neonatal hypoxic-ischemic brain injury. <i>Journal of Neuroinflammation</i> , 2021, 18, 266.	3.1	12
38	Modulation of Dendritic Cell Immunobiology via Inhibition of 3-Hydroxy-3-Methylglutaryl-CoA (HMG-CoA) Reductase. <i>PLoS ONE</i> , 2014, 9, e100871.	1.1	11
39	Detrimental Impact of Energy Drink Compounds on Developing Oligodendrocytes and Neurons. <i>Cells</i> , 2019, 8, 1381.	1.8	11
40	Adverse neuropsychiatric development following perinatal brain injury: from a preclinical perspective. <i>Pediatric Research</i> , 2019, 85, 198-215.	1.1	11
41	Effects of Poly(ADP-Ribose) Polymerase-1 Inhibition in a Neonatal Rodent Model of Hypoxic-Ischemic Injury. <i>BioMed Research International</i> , 2017, 2017, 1-11.	0.9	10
42	Inhibition of Acetylcholinesterase Modulates NMDA Receptor Antagonist Mediated Alterations in the Developing Brain. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3784-3798.	1.8	4
43	White Matter Brain Development after Exposure to Circulating Cell-Free Hemoglobin and Hyperoxia in a Rat Pup Model. <i>Developmental Neuroscience</i> , 2019, 41, 234-246.	1.0	4