

Roberta Brambilla

List of Publications by Year in descending order

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63
papers

4,308
citations

126907

33
h-index

128289

60
g-index

66
all docs

66
docs citations

66
times ranked

5250
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of astroglial nuclear factor $\hat{\text{P}}\text{B}$ reduces inflammation and improves functional recovery after spinal cord injury. <i>Journal of Experimental Medicine</i> , 2005, 202, 145-156.	8.5	506
2	Nucleotide-mediated calcium signaling in rat cortical astrocytes: Role of P2X and P2Y receptors. <i>Glia</i> , 2003, 43, 218-230.	4.9	235
3	Transgenic Inhibition of Astroglial NF- $\hat{\text{P}}\text{B}$ Improves Functional Outcome in Experimental Autoimmune Encephalomyelitis by Suppressing Chronic Central Nervous System Inflammation. <i>Journal of Immunology</i> , 2009, 182, 2628-2640.	0.8	229
4	The mutual interplay of gut microbiota, diet and human disease. <i>FEBS Journal</i> , 2020, 287, 833-855.	4.7	176
5	Inhibition of soluble tumour necrosis factor is therapeutic in experimental autoimmune encephalomyelitis and promotes axon preservation and remyelination. <i>Brain</i> , 2011, 134, 2736-2754.	7.6	174
6	The contribution of astrocytes to the neuroinflammatory response in multiple sclerosis and experimental autoimmune encephalomyelitis. <i>Acta Neuropathologica</i> , 2019, 137, 757-783.	7.7	160
7	Inactivation of astroglial NF- $\hat{\text{P}}\text{B}$ promotes survival of retinal neurons following ischemic injury. <i>European Journal of Neuroscience</i> , 2009, 30, 175-185.	2.6	135
8	Astrocytes play a key role in EAE pathophysiology by orchestrating in the CNS the inflammatory response of resident and peripheral immune cells and by suppressing remyelination. <i>Glia</i> , 2014, 62, 452-467.	4.9	133
9	Blockade of A2A adenosine receptors prevents basic fibroblast growth factor-induced reactive astrogliosis in rat striatal primary astrocytes. <i>Glia</i> , 2003, 43, 190-194.	4.9	126
10	Opposing Functions of Microglial and Macrophagic TNFR2 in the Pathogenesis of Experimental Autoimmune Encephalomyelitis. <i>Cell Reports</i> , 2017, 18, 198-212.	6.4	125
11	Transgenic inhibition of glial NF-kappa B reduces pain behavior and inflammation after peripheral nerve injury. <i>Pain</i> , 2010, 148, 509-518.	4.2	124
12	Neuropathic pain-induced depressive-like behavior and hippocampal neurogenesis and plasticity are dependent on TNFR1 signaling. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 65-81.	4.1	122
13	Oligodendroglial TNFR2 Mediates Membrane TNF-Dependent Repair in Experimental Autoimmune Encephalomyelitis by Promoting Oligodendrocyte Differentiation and Remyelination. <i>Journal of Neuroscience</i> , 2016, 36, 5128-5143.	3.6	113
14	NIBP, a Novel NIK and IKK $\hat{\text{I}}^2$ -binding Protein That Enhances NF- $\hat{\text{P}}\text{B}$ Activation. <i>Journal of Biological Chemistry</i> , 2005, 280, 29233-29241.	3.4	107
15	Transgenic inhibition of astroglial NF- $\hat{\text{P}}\text{B}$ leads to increased axonal sparing and sprouting following spinal cord injury. <i>Journal of Neurochemistry</i> , 2009, 110, 765-778.	3.9	106
16	Inhibition of Gap-Junctional Communication Induces the Trans-differentiation of Osteoblasts to an Adipocytic Phenotype in Vitro. <i>Journal of Biological Chemistry</i> , 2001, 276, 14133-14138.	3.4	99
17	The A3Adenosine Receptor Mediates Cell Spreading, Reorganization of Actin Cytoskeleton, and Distribution of Bcl-xL: Studies in Human Astrogloma Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 297-304.	2.1	88
18	Characterization of the signalling pathways involved in ATP and basic fibroblast growth factor-induced astrogliosis. <i>British Journal of Pharmacology</i> , 1997, 121, 1692-1699.	5.4	83

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19	Transgenic inhibition of astroglial NF- κ B protects from optic nerve damage and retinal ganglion cell loss in experimental optic neuritis. <i>Journal of Neuroinflammation</i> , 2012, 9, 213.	7.2	81
20	Activation of the A3 adenosine receptor affects cell cycle progression and cell growth. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 361, 225-234.	3.0	79
21	Modulation of Apoptosis by Adenosine in the Central Nervous System: a Possible Role for the A3Receptor.. <i>Annals of the New York Academy of Sciences</i> , 1997, 825, 11-22.	3.8	77
22	Differential brain and spinal cord cytokine and BDNF levels in experimental autoimmune encephalomyelitis are modulated by prior and regular exercise. <i>Journal of Neuroimmunology</i> , 2013, 264, 24-34.	2.3	75
23	Apoptosis by 2-chloro-2 α -deoxy-adenosine and 2-chloro-adenosine in human peripheral blood mononuclear cells. <i>Neurochemistry International</i> , 1998, 32, 493-504.	3.8	74
24	Cyclo-oxygenase-2 mediates P2Y receptor-induced reactive astrogliosis. <i>British Journal of Pharmacology</i> , 1999, 126, 563-567.	5.4	74
25	Induction of COX-2 and reactive gliosis by P2Y receptors in rat cortical astrocytes is dependent on ERK1/2 but independent of calcium signalling. <i>Journal of Neurochemistry</i> , 2002, 83, 1285-1296.	3.9	69
26	Pioglitazone ameliorates the phenotype of a novel Parkinson α 's disease mouse model by reducing neuroinflammation. <i>Molecular Neurodegeneration</i> , 2016, 11, 25.	10.8	57
27	Astroglial nuclear factor α B regulates learning and memory and synaptic plasticity in female mice. <i>Journal of Neurochemistry</i> , 2008, 104, 611-623.	3.9	50
28	Genetic ablation of soluble tumor necrosis factor with preservation of membrane tumor necrosis factor is associated with neuroprotection after focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1553-1569.	4.3	48
29	Oligodendrocytes modulate the immune-inflammatory response in EAE via TNFR2 signaling. <i>Brain, Behavior, and Immunity</i> , 2020, 84, 132-146.	4.1	47
30	Adenosine A3 receptors and viability of astrocytes. , 1998, 45, 379-386.		43
31	IC100: a novel anti-ASC monoclonal antibody improves functional outcomes in an animal model of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2020, 17, 143.	7.2	41
32	Modulation of Cyclooxygenase α 2 and Brain Reactive Astrogliosis by Purinergic P2 Receptors. <i>Annals of the New York Academy of Sciences</i> , 2001, 939, 54-62.	3.8	39
33	Prior regular exercise improves clinical outcome and reduces demyelination and axonal injury in experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2016, 136, 63-73.	3.9	39
34	Conditional ablation of myeloid TNF increases lesion volume after experimental stroke in mice, possibly via altered ERK1/2 signaling. <i>Scientific Reports</i> , 2016, 6, 29291.	3.3	37
35	The effect of stroke on immune function. <i>Molecular and Cellular Neurosciences</i> , 2013, 53, 26-33.	2.2	36
36	Neuroinflammation, the thread connecting neurological disease. <i>Acta Neuropathologica</i> , 2019, 137, 689-691.	7.7	36

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37	Chapter 27 Signalling mechanisms involved in P2Y receptor-mediated reactive astrogliosis. Progress in Brain Research, 1999, 120, 333-342.	1.4	34
38	Mitochondrial DNA Double-Strand Breaks in Oligodendrocytes Cause Demyelination, Axonal Injury, and CNS Inflammation. Journal of Neuroscience, 2017, 37, 10185-10199.	3.6	34
39	Deconstructing Noncovalent Kelch-like ECH-Associated Protein 1 (Keap1) Inhibitors into Fragments to Reconstruct New Potent Compounds. Journal of Medicinal Chemistry, 2021, 64, 4623-4661.	6.4	30
40	A novel gliotic P2 receptor mediating cyclooxygenase-2 induction in rat and human astrocytes. Journal of the Autonomic Nervous System, 2000, 81, 3-9.	1.9	29
41	TNAP, a Novel Repressor of NF- κ B-inducing Kinase, Suppresses NF- κ B Activation. Journal of Biological Chemistry, 2004, 279, 35975-35983.	3.4	29
42	IL7R α ± Contributes to Experimental Autoimmune Encephalomyelitis through Altered T Cell Responses and Nonhematopoietic Cell Lineages. Journal of Immunology, 2013, 190, 4525-4534.	0.8	29
43	Dynamic Responses of Microglia in Animal Models of Multiple Sclerosis. Frontiers in Cellular Neuroscience, 2020, 14, 269.	3.7	29
44	Fibrotic scar after experimental autoimmune encephalomyelitis inhibits oligodendrocyte differentiation. Neurobiology of Disease, 2020, 134, 104674.	4.4	28
45	TNF deficiency causes alterations in the spatial organization of neurogenic zones and alters the number of microglia and neurons in the cerebral cortex. Brain, Behavior, and Immunity, 2019, 82, 279-297.	4.1	26
46	Topical Administration of a Soluble TNF Inhibitor Reduces Infarct Volume After Focal Cerebral Ischemia in Mice. Frontiers in Neuroscience, 2019, 13, 781.	2.8	25
47	Increased Neuroprotective Microglia and Photoreceptor Survival in the Retina from a Peptide Inhibitor of Myeloid Differentiation Factor 88 (MyD88). Journal of Molecular Neuroscience, 2020, 70, 968-980.	2.3	20
48	Tumor Necrosis Factor Inhibition in the Acute Management of Traumatic Optic Neuropathy. , 2018, 59, 2905.		19
49	TNFR2 Signaling Regulates the Immunomodulatory Function of Oligodendrocyte Precursor Cells. Cells, 2021, 10, 1785.	4.1	17
50	Glial NF-kappa B inhibition alters neuropeptide expression after sciatic nerve injury in mice. Brain Research, 2011, 1385, 38-46.	2.2	15
51	Conditional Ablation of Myeloid TNF Improves Functional Outcome and Decreases Lesion Size after Spinal Cord Injury in Mice. Cells, 2020, 9, 2407.	4.1	13
52	Circulating extracellular vesicles activate the pyroptosis pathway in the brain following ventilation-induced lung injury. Journal of Neuroinflammation, 2021, 18, 310.	7.2	13
53	Genetic Ablation of Soluble TNF Does Not Affect Lesion Size and Functional Recovery after Moderate Spinal Cord Injury in Mice. Mediators of Inflammation, 2016, 2016, 1-15.	3.0	12
54	Prolonged stimulation of a brainstem raphe region attenuates experimental autoimmune encephalomyelitis. Neuroscience, 2017, 346, 395-402.	2.3	11

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55	High content analysis of phagocytic activity and cell morphology with PuntoMorph. <i>Journal of Neuroscience Methods</i> , 2017, 291, 43-50.	2.5	10
56	Prolonged agonist exposure induces imbalance of A1 and A2 receptor-mediated functions in rat brain slices. <i>Drug Development Research</i> , 1993, 28, 364-368.	2.9	9
57	P2Y receptors in brain astroglial cells: Identification of a gliotic P2Y receptor coupled to activation of a calcium-independent ras/ERK1/2 pathway. <i>Drug Development Research</i> , 2003, 59, 161-170.	2.9	7
58	Murine Neonates Infected with <i>Yersinia enterocolitica</i> Develop Rapid and Robust Proinflammatory Responses in Intestinal Lymphoid Tissues. <i>Infection and Immunity</i> , 2014, 82, 762-772.	2.2	7
59	The Role of Tumor Necrosis Factor Following Spinal Cord Injury: A Systematic Review. <i>Cellular and Molecular Neurobiology</i> , 2023, 43, 925-950.	3.3	6
60	Adenosine A1 receptors in rat brain synaptosomes: Transductional mechanisms, effects on glutamate release, and preservation after metabolic inhibition. <i>Drug Development Research</i> , 1995, 35, 119-129.	2.9	5
61	The Inflammatory Response after Moderate Contusion Spinal Cord Injury: A Time Study. <i>Biology</i> , 2022, 11, 939.	2.8	5
62	Identification of a novel P2 receptor associated with cyclooxygenase-2 upregulation and reactive astrogliosis. <i>Drug Development Research</i> , 2001, 53, 148-157.	2.9	2
63	Neuronal Ablation of IKK2 Decreases Lesion Size and Improves Functional Outcome after Spinal Cord Injury in Mice. <i>JSM Neurosurgery and Spine</i> , 2017, 5, .	0.0	0