

Astrid E Cardona

List of Publications by Year in descending order

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43
papers

5,889
citations

172457

29
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

8694
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of microglial neurotoxicity by the fractalkine receptor. <i>Nature Neuroscience</i> , 2006, 9, 917-924.	14.8	1,334
2	The myeloid cells of the central nervous system parenchyma. <i>Nature</i> , 2010, 468, 253-262.	27.8	670
3	Regulation of Tau Pathology by the Microglial Fractalkine Receptor. <i>Neuron</i> , 2010, 68, 19-31.	8.1	532
4	Selective Chemokine Receptor Usage by Central Nervous System Myeloid Cells in CCR2-Red Fluorescent Protein Knock-In Mice. <i>PLoS ONE</i> , 2010, 5, e13693.	2.5	490
5	CX3CR1 Deficiency Alters Microglial Activation and Reduces Beta-Amyloid Deposition in Two Alzheimer's Disease Mouse Models. <i>American Journal of Pathology</i> , 2010, 177, 2549-2562.	3.8	403
6	The Fractalkine Receptor but Not CCR2 Is Present on Microglia from Embryonic Development throughout Adulthood. <i>Journal of Immunology</i> , 2012, 188, 29-36.	0.8	305
7	Isolation of murine microglial cells for RNA analysis or flow cytometry. <i>Nature Protocols</i> , 2006, 1, 1947-1951.	12.0	212
8	The Role of Microglia in Diabetic Retinopathy. <i>Journal of Ophthalmology</i> , 2014, 2014, 1-15.	1.3	156
9	The IL-1 β phenomena in neuroinflammatory diseases. <i>Journal of Neural Transmission</i> , 2018, 125, 781-795.	2.8	148
10	Chemokines and Chemokine Receptors: Multipurpose Players in Neuroinflammation. <i>International Review of Neurobiology</i> , 2007, 82, 187-204.	2.0	138
11	Scavenging roles of chemokine receptors: chemokine receptor deficiency is associated with increased levels of ligand in circulation and tissues. <i>Blood</i> , 2008, 112, 256-263.	1.4	127
12	Chronic expression of monocyte chemoattractant protein-1 in the central nervous system causes delayed encephalopathy and impaired microglial function in mice. <i>FASEB Journal</i> , 2005, 19, 761-772.	0.5	124
13	Isolation of Brain and Spinal Cord Mononuclear Cells Using Percoll Gradients. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	120
14	Chemokines in and out of the central nervous system: much more than chemotaxis and inflammation. <i>Journal of Leukocyte Biology</i> , 2008, 84, 587-594.	3.3	93
15	Loss of tau rescues inflammation-mediated neurodegeneration. <i>Frontiers in Neuroscience</i> , 2015, 9, 196.	2.8	89
16	Neurogenic Niche Microglia Undergo Positional Remodeling and Progressive Activation Contributing to Age-Associated Reductions in Neurogenesis. <i>Stem Cells and Development</i> , 2016, 25, 542-555.	2.1	77
17	Regulation of Adaptive Immunity by the Fractalkine Receptor during Autoimmune Inflammation. <i>Journal of Immunology</i> , 2013, 191, 1063-1072.	0.8	76
18	Time-dependent effects of CX3CR1 in a mouse model of mild traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2015, 12, 154.	7.2	76

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19	Analyses of phenotypic and functional characteristics of CX3CR1-expressing natural killer cells. <i>Immunology</i> , 2011, 133, 62-73.	4.4	72
20	Disruption of Fractalkine Signaling Leads to Microglial Activation and Neuronal Damage in the Diabetic Retina. <i>ASN Neuro</i> , 2015, 7, 175909141560820.	2.7	67
21	CX3CR1-dependent recruitment of mature NK cells into the central nervous system contributes to control autoimmune neuroinflammation. <i>European Journal of Immunology</i> , 2016, 46, 1984-1996.	2.9	56
22	<i>Leishmania donovani</i> : Evolution and Architecture of the Splenic Cellular Immune Response Related to Control of Infection. <i>Experimental Parasitology</i> , 2001, 99, 17-25.	1.2	50
23	CC Chemokines Mediate Leukocyte Trafficking into the Central Nervous System during Murine Neurocysticercosis: Role of $\gamma\delta$ T Cells in Amplification of the Host Immune Response. <i>Infection and Immunity</i> , 2003, 71, 2634-2642.	2.2	50
24	The Kinetics of Myelin Antigen Uptake by Myeloid Cells in the Central Nervous System during Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2013, 191, 5848-5857.	0.8	50
25	$\gamma\delta$ T Cell-Deficient Mice Exhibit Reduced Disease Severity and Decreased Inflammatory Response in the Brain in Murine Neurocysticercosis. <i>Journal of Immunology</i> , 2002, 169, 3163-3171.	0.8	46
26	Epigenetic Regulation by Chromatin Activation Mark H3K4me3 in Primate Progenitor Cells within Adult Neurogenic Niche. <i>Scientific Reports</i> , 2015, 4, 5371.	3.3	45
27	Role of the Fractalkine Receptor in CNS Autoimmune Inflammation: New Approach Utilizing a Mouse Model Expressing the Human CX3CR1 ^{I249/M280} Variant. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 365.	3.7	44
28	Fractalkine Signaling Attenuates Perivascular Clustering of Microglia and Fibrinogen Leakage during Systemic Inflammation in Mouse Models of Diabetic Retinopathy. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 303.	3.7	42
29	Isolation and Analysis of Mouse Microglial Cells. <i>Current Protocols in Immunology</i> , 2014, 104, 14.35.1-14.35.15.	3.6	33
30	The Fine Balance of Chemokines During Disease: Trafficking, Inflammation, and Homeostasis. <i>Methods in Molecular Biology</i> , 2013, 1013, 1-16.	0.9	29
31	The metabolic regulator mTORC1 controls terminal myeloid differentiation. <i>Science Immunology</i> , 2017, 2, .	11.9	23
32	Analyses of Microglia Effector Function Using CX3CR1-GFP Knock-In Mice. <i>Methods in Molecular Biology</i> , 2013, 1041, 307-317.	0.9	20
33	Genetically enhancing the expression of chemokine domain of CX3CL1 fails to prevent tau pathology in mouse models of tauopathy. <i>Journal of Neuroinflammation</i> , 2018, 15, 278.	7.2	18
34	Elimination of intravascular thrombi prevents early mortality and reduces gliosis in hyper-inflammatory experimental cerebral malaria. <i>Journal of Neuroinflammation</i> , 2018, 15, 173.	7.2	15
35	Fractalkine signaling regulates oligodendroglial cell genesis from SVZ precursor cells. <i>Stem Cell Reports</i> , 2021, 16, 1968-1984.	4.8	12
36	Increased Accumulation of Regulatory Granulocytic Myeloid Cells in Mannose Receptor C Type 1-Deficient Mice Correlates with Protection in a Mouse Model of Neurocysticercosis. <i>Infection and Immunity</i> , 2013, 81, 1052-1063.	2.2	11

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37	Region specific knock-out reveals distinct roles of chromatin modifiers in adult neurogenic niches. <i>Cell Cycle</i> , 2018, 17, 377-389.	2.6	9
38	Reduced Leukocyte Infiltration in Absence of Eosinophils Correlates with Decreased Tissue Damage and Disease Susceptibility in <i>dblGATA</i> Mice during Murine Neurocysticercosis. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004787.	3.0	9
39	Defective <i>fractalkine</i> <i>CX3CR1</i> signaling aggravates neuroinflammation and affects recovery from cuprizone-induced demyelination. <i>Journal of Neurochemistry</i> , 2022, 162, 430-443.	3.9	6
40	<i>Microglia</i> . , 2020, , 995-1020.		3
41	<i>Chemokine Receptors in Neuroinflammation</i> . , 2007, , 351-369.		2
42	<i>Roles in Immune Responses</i> . , 2014, , 115-144.		0
43	<i>CX3CL1</i> . , 2018, , 1242-1247.		0