

# Carolina D Munhoz

## 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.

56  
papers

2,062  
citations

26  
h-index

45  
g-index

59  
ext. papers

2,400  
ext. citations

5.1  
avg, IF

4.6  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 56 | The stressed CNS: when glucocorticoids aggravate inflammation. <i>Neuron</i> , <b>2009</b> , 64, 33-9  | 13.9 | 262       |
| 55 | Neutrophil function and metabolism in individuals with diabetes mellitus. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2007</b> , 40, 1037-44  | 2.8  | 204       |
| 54 | Chronic unpredictable stress exacerbates lipopolysaccharide-induced activation of nuclear factor-kappaB in the frontal cortex and hippocampus via glucocorticoid secretion. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 3813-20 | 6.6  | 202       |
| 53 | Stress-induced neuroinflammation: mechanisms and new pharmacological targets. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2008</b> , 41, 1037-46  | 2.8  | 153       |
| 52 | Glucocorticoids exacerbate lipopolysaccharide-induced signaling in the frontal cortex and hippocampus in a dose-dependent manner. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 13690-8   | 6.6  | 117       |
| 51 | Oxidative state in platelets and erythrocytes in aging and Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2005</b> , 26, 857-64  | 5.6  | 89        |
| 50 | MK-801 and 7-Ni attenuate the activation of brain NF-kappa B induced by LPS. <i>Neuropharmacology</i> , <b>2003</b> , 45, 1120-9   | 5.5  | 62        |
| 49 | Age-related neuroinflammation and changes in AKT-GSK-3 $\beta$ and WNT/ $\beta$ CATENIN signaling in rat hippocampus. <i>Aging</i> , <b>2015</b> , 7, 1094-111   | 5.6  | 56        |
| 48 | Glucocorticoids increase excitotoxic injury and inflammation in the hippocampus of adult male rats. <i>Neuroendocrinology</i> , <b>2014</b> , 100, 129-40  | 5.6  | 54        |
| 47 | Dental anxiety and salivary cortisol levels before urgent dental care. <i>Journal of Oral Science</i> , <b>2009</b> , 51, 515-20   | 1.5  | 53        |
| 46 | The Pro-inflammatory Effects of Glucocorticoids in the Brain. <i>Frontiers in Endocrinology</i> , <b>2016</b> , 7, 78  | 5.7  | 50        |
| 45 | Cocaine induces cell death and activates the transcription nuclear factor kappa-B in PC12 cells. <i>Molecular Brain</i> , <b>2009</b> , 2, 3   | 4.5  | 49        |
| 44 | Environmental enrichment protects against stress-induced anxiety: Role of glucocorticoid receptor, ERK, and CREB signaling in the basolateral amygdala. <i>Neuropharmacology</i> , <b>2017</b> , 113, 457-466                          | 5.5  | 45        |
| 43 | Effects of isoproterenol treatment for 7 days on inflammatory mediators in the rat aorta. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H211-9   | 5.2  | 43        |
| 42 | Nrf2/ARE Pathway Modulation by Dietary Energy Regulation in Neurological Disorders. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 33  | 5.6  | 40        |
| 41 | Glucocorticoid signaling in myeloid cells worsens acute CNS injury and inflammation. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 7877-89  | 6.6  | 36        |
| 40 | Age-related changes in cyclic GMP and PKG-stimulated cerebellar Na,K-ATPase activity. <i>Neurobiology of Aging</i> , <b>2005</b> , 26, 907-16  | 5.6  | 35        |

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| 39 | Enhancing cognition after stress with gene therapy. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 11637-43   | 6.6  | 34 |
| 38 | Angiotensin II chronic infusion induces B1 receptor expression in aorta of rats. <i>Hypertension</i> , <b>2007</b> , 50, 756-61   | 8.5  | 31 |
| 37 | Altered KLOTHO and NF- $\kappa$ B Signaling Are Correlated with Nephrectomy-Induced Cognitive Impairment in Rats. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125271  | 3.7  | 31 |
| 36 | Influence of N-methyl-D-aspartate receptors on ouabain activation of nuclear factor- $\kappa$ B in the rat hippocampus. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 213-28                | 4.4  | 29 |
| 35 | AHR is a Zika virus host factor and a candidate target for antiviral therapy. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 939-951  | 25.5 | 29 |
| 34 | Amyloid beta-peptide activates nuclear factor-kappaB through an N-methyl-D-aspartate signaling pathway in cultured cerebellar cells. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 845-60   | 4.4  | 28 |
| 33 | Ouabain activates NF $\kappa$ B through an NMDA signaling pathway in cultured cerebellar cells. <i>Neuropharmacology</i> , <b>2013</b> , 73, 327-36   | 5.5  | 27 |
| 32 | Microglial cells are involved in the susceptibility of NADPH oxidase knockout mice to 6-hydroxy-dopamine-induced neurodegeneration. <i>PLoS ONE</i> , <b>2013</b> , 8, e75532                             | 3.7  | 27 |
| 31 | SARS-CoV-2 infects brain astrocytes of COVID-19 patients and impairs neuronal viability   |      | 27 |
| 30 | Factors promoting vulnerability to dysregulated stress reactivity and stress-related disease. <i>Journal of Neuroendocrinology</i> , <b>2018</b> , 30, e12641   | 3.8  | 25 |
| 29 | Glutamate modulates sodium-potassium-ATPase through cyclic GMP and cyclic GMP-dependent protein kinase in rat striatum. <i>Cell Biochemistry and Function</i> , <b>2005</b> , 23, 115-23                  | 4.2  | 25 |
| 28 | TNF-alpha accounts for short-term persistence of oxidative status in rat brain after two weeks of repeated stress. <i>European Journal of Neuroscience</i> , <b>2004</b> , 20, 1125-30                    | 3.5  | 24 |
| 27 | Nox2-dependent Neuroinflammation in An EAE Model of Multiple Sclerosis. <i>Translational Neuroscience</i> , <b>2019</b> , 10, 1-9   | 1.2  | 18 |
| 26 | Thimet Oligopeptidase (EC 3.4.24.15) Key Functions Suggested by Knockout Mice Phenotype Characterization. <i>Biomolecules</i> , <b>2019</b> , 9,  | 5.9  | 12 |
| 25 | High dose of dexamethasone protects against EAE-induced motor deficits but impairs learning/memory in C57BL/6 mice. <i>Scientific Reports</i> , <b>2019</b> , 9, 6673                                     | 4.9  | 12 |
| 24 | S100A8/MYD88/NF- $\kappa$ B: a novel pathway involved in cardiomyocyte hypertrophy driven by thyroid hormone. <i>Journal of Molecular Medicine</i> , <b>2017</b> , 95, 671-682                            | 5.5  | 11 |
| 23 | Environmental enrichment prevents acute restraint stress-induced anxiety-related behavior but not changes in basolateral amygdala spine density. <i>Psychoneuroendocrinology</i> , <b>2018</b> , 98, 6-10 | 5    | 11 |
| 22 | Influence of age on nitric oxide modulatory action on Na(+), K(+)-ATPase activity through cyclic GMP pathway in proximal rat trachea. <i>European Journal of Pharmacology</i> , <b>2000</b> , 388, 1-7    | 5.3  | 10 |

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| 21 | Repeated Restraint Stress Decreases Na,K-ATPase Activity via Oxidative and Nitrosative Damage in the Frontal Cortex of Rats. <i>Neuroscience</i> , <b>2018</b> , 393, 273-283   | 3.9 | 10 |
| 20 | Cholinergic neuroplasticity in asthma driven by TrkB signaling. <i>FASEB Journal</i> , <b>2020</b> , 34, 7703-7717  | 0.9 | 9  |
| 19 | Cognitive decline following acute viral infections: literature review and projections for post-COVID-19. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , <b>2021</b> , 1                             | 5.1 | 9  |
| 18 | Age-related changes in cerebellar phosphatase-1 reduce Na,K-ATPase activity. <i>Neurobiology of Aging</i> , <b>2008</b> , 29, 1712-20   | 5.6 | 8  |
| 17 | NFKF is a synthetic fragment derived from rat hemopressin that protects mice from neurodegeneration. <i>Neuroscience Letters</i> , <b>2020</b> , 721, 134765  | 3.3 | 7  |
| 16 | Apolipoprotein E genotype is related to nitric oxide production in platelets. <i>Cell Biochemistry and Function</i> , <b>2008</b> , 26, 852-8   | 4.2 | 7  |
| 15 | Changes in sodium, potassium-ATPase induced by repeated fencamfamine: the roles of cyclic AMP-dependent protein kinase and the nitric oxide-cyclic GMP pathway. <i>Neuropharmacology</i> , <b>2003</b> , 45, 1151-9     | 5.5 | 7  |
| 14 | Derivation of injury-responsive dendritic cells for acute brain targeting and therapeutic protein delivery in the stroke-injured rat. <i>PLoS ONE</i> , <b>2013</b> , 8, e61789   | 3.7 | 7  |
| 13 | AT1 receptor blockage impairs NF- $\kappa$ B activation mediated by thyroid hormone in cardiomyocytes. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2018</b> , 470, 549-558                               | 4.6 | 6  |
| 12 | Involvement of neuronal nitric oxide synthase in cross-sensitization between chronic unpredictable stress and ethanol in adolescent and adult mice. <i>Alcohol</i> , <b>2018</b> , 68, 71-79                            | 2.7 | 5  |
| 11 | SARS-CoV-2 infects brain astrocytes of COVID-19 patients and impairs neuronal viability   |     | 5  |
| 10 | Oxidative stress in the medullary respiratory neurons contributes to respiratory dysfunction in the 6-OHDA model of Parkinson's disease. <i>Journal of Physiology</i> , <b>2020</b> , 598, 5271-5293                    | 3.9 | 5  |
| 9  | L-NAME treatment enhances exercise-induced content of myocardial heat shock protein 72 (Hsp72) in rats. <i>Cellular Physiology and Biochemistry</i> , <b>2011</b> , 27, 479-86  | 3.9 | 4  |
| 8  | Activation of mineralocorticoid receptors facilitate the acquisition of fear memory extinction and impair the generalization of fear memory in diabetic animals. <i>Psychopharmacology</i> , <b>2020</b> , 237, 529-542 | 4.7 | 3  |
| 7  | Environmental enrichment prevents the late effect of acute stress-induced fear extinction deficit: the role of hippocampal AMPA-GluA1 phosphorylation. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 18           | 8.6 | 3  |
| 6  | How environmental enrichment balances out neuroinflammation in chronic pain and comorbid depression and anxiety disorders. <i>British Journal of Pharmacology</i> , <b>2021</b> ,                                       | 8.6 | 2  |
| 5  | Human platelet nitric oxide synthase activity: an optimized method. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , <b>2002</b> , 38, 305-313   |     | 1  |
| 4  | Exposure to Running Wheels Prevents Ethanol Rewarding Effects: The Role of CREB and Deacetylases SIRT-1 and SIRT-2 in the Nucleus Accumbens and Prefrontal Cortex. <i>Neuroscience</i> , <b>2021</b> , 469, 125-137     | 3.9 | 1  |

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| 3 | Norepinephrine and Glucocorticoids Modulate Chronic Unpredictable Stress-Induced Increase in the Type 2 CRF and Glucocorticoid Receptors in Brain Structures Related to the HPA Axis Activation. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 4871-4885 | 6.2 | 1 |
| 2 | Predator fear memory depends on glucocorticoid receptors and protein synthesis in the basolateral amygdala and ventral hippocampus.. <i>Psychoneuroendocrinology</i> , <b>2022</b> , 141, 105757   | 5   | 1 |
| 1 | Exposure to Environmental Tobacco Smoke Increases Neuroinflammation in Offspring.. <i>Frontiers in Toxicology</i> , <b>2021</b> , 3, 802542  | 1.6 |   |