

# Luis AgullÃ³

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,101  
citations

257450

24  
h-index

254184

43  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1855  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Synthesis of nitric oxide in CNS glial cells. Trends in Neurosciences, 1993, 16, 323-328.   | 8.6 | 615       |
| 2  | Effect of inhibition of Na <sup>+</sup> /Ca <sup>2+</sup> exchanger at the time of myocardial reperfusion on hypercontracture and cell death. Cardiovascular Research, 2002, 55, 739-748.                               | 3.8 | 141       |
| 3  | Different receptors mediate stimulation of nitric oxide-dependent cyclic GMP formation in neurons and astrocytes in culture. Biochemical and Biophysical Research Communications, 1992, 182, 1362-1368.                 | 2.1 | 93        |
| 4  | Cariporide preserves mitochondrial proton gradient and delays ATP depletion in cardiomyocytes during ischemic conditions. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H999-H1006.     | 3.2 | 80        |
| 5  | Ischemic preconditioning attenuates calpain-mediated degradation of structural proteins through a protein kinase A-dependent mechanism*1. Cardiovascular Research, 2004, 64, 105-114.                                   | 3.8 | 72        |
| 6  | cGMP/PKG pathway mediates myocardial postconditioning protection in rat hearts by delaying normalization of intracellular acidosis during reperfusion. Journal of Molecular and Cellular Cardiology, 2011, 50, 903-909. | 1.9 | 62        |
| 7  | Intravenous administration of the natriuretic peptide urodilatin at low doses during coronary reperfusion limits infarct size in anesthetized pigs. Cardiovascular Research, 2001, 51, 592-600.                         | 3.8 | 60        |
| 8  | Antagonism of selectin function attenuates microvascular platelet deposition and platelet-mediated myocardial injury after transient ischemia. Journal of the American College of Cardiology, 2005, 45, 293-299.        | 2.8 | 58        |
| 9  | Urodilatin limits acute reperfusion injury in the isolated rat heart. Cardiovascular Research, 2000, 45, 351-359.   | 3.8 | 55        |
| 10 | The end-effectors of preconditioning protection against myocardial cell death secondary to ischemiaâ€“reperfusion. Cardiovascular Research, 2006, 70, 274-285.  | 3.8 | 54        |
| 11 | Platelets activated by transient coronary occlusion exacerbate ischemia-reperfusion injury in rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H1134-H1141.                    | 3.2 | 52        |
| 12 | Calcium-dependent nitric oxide formation in glial cells. Brain Research, 1995, 686, 160-168.  | 2.2 | 51        |
| 13 | Myocardial protection against reperfusion injury: The cGMP pathway. Thrombosis and Haemostasis, 2009, 101, 635-642.   | 3.4 | 50        |
| 14 | Norepinephrine increases cyclic GMP in astrocytes by a mechanism dependent on nitric oxide synthesis. European Journal of Pharmacology, 1991, 206, 343-346.   | 2.6 | 46        |
| 15 | Left ventricular hypertrophy in rats with biliary cirrhosis. Hepatology, 2003, 38, 589-598.   | 7.3 | 46        |
| 16 | Characteristics of nitric oxide synthase type I of rat cerebellar astrocytes. , 1996, 18, 224-232.  |     | 43        |
| 17 | ?-Arginine administration prevents reperfusion-induced cardiomyocyte hypercontracture and reduces infarct size in the pig. Cardiovascular Research, 2000, 46, 412-420.  | 3.8 | 36        |
| 18 | Regulation by calcium of the nitric oxide/cyclic GMP system in cerebellar granule cells and astroglia in culture. Journal of Neuroscience Research, 1997, 49, 333-341.  | 2.9 | 35        |

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|----|--|-----|-----------|
| 19 | Histamine Stimulation of Cyclic AMP Accumulation in Astrocyte-Enriched and Neuronal Primary Cultures from Rat Brain. <i>Journal of Neurochemistry</i> , 1990, 55, 1592-1598.   | 3.9 | 31        |
| 20 | Hypoxia and acidosis impair cGMP synthesis in microvascular coronary endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H917-H925.   | 3.2 | 31        |
| 21 | Ventricular fibrillation during acute coronary occlusion is related to the dilation of the ischemic region. <i>Basic Research in Cardiology</i> , 2002, 97, 445-451.   | 5.9 | 31        |
| 22 | Delayed phospholamban phosphorylation in post-conditioned heart favours Ca <sup>2+</sup> normalization and contributes to protection. <i>Cardiovascular Research</i> , 2014, 103, 542-553.   | 3.8 | 29        |
| 23 | <i>TNFRSF1A</i> polymorphisms rs1800693 and rs4149584 in patients with multiple sclerosis. <i>Neurology</i> , 2013, 80, 2010-2016.   | 1.1 | 28        |
| 24 | Effect of ischemia on soluble and particulate guanylyl cyclase-mediated cGMP synthesis in cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H2170-H2176.   | 3.2 | 25        |
| 25 | Stimulation of nitric oxide-dependent cyclic gmp formation in neurons and astrocytes in culture. <i>Pharmacological Research</i> , 1992, 26, 207.  | 7.1 | 24        |
| 26 | Pre-treatment with the Na/H exchange inhibitor cariporide delays cell-to-cell electrical uncoupling during myocardial ischemia. <i>Cardiovascular Research</i> , 2003, 58, 109-117.  | 3.8 | 24        |
| 27 | Membrane association of nitric oxide-sensitive guanylyl cyclase in cardiomyocytes. <i>Cardiovascular Research</i> , 2005, 68, 65-74.   | 3.8 | 22        |
| 28 | Ca <sup>2+</sup> /calmodulin-dependent cyclic GMP phosphodiesterase activity in granule neurons and astrocytes from rat cerebellum. <i>European Journal of Pharmacology</i> , 1997, 323, 119-125.  | 3.5 | 21        |
| 29 | Metallothionein-I+II induction by zinc and copper in primary cultures of rat microglia. <i>Neurochemistry International</i> , 1998, 33, 237-242.   | 3.8 | 21        |
| 30 | Dexamethasone Up-Regulates a Constitutive Nitric Oxide Synthase in Cerebellar Astrocytes but Not in Granule Cells in Culture. <i>Journal of Neurochemistry</i> , 2002, 64, 447-450.  | 3.9 | 19        |
| 31 | Platelet deposition in remote cardiac regions after coronary occlusion. <i>European Journal of Clinical Investigation</i> , 2007, 37, 939-946.   | 3.4 | 18        |
| 32 | beta-Alanine transport in synaptic plasma membrane vesicles from rat brain. Efflux, exchange and stoichiometry. <i>FEBS Journal</i> , 1986, 159, 611-617.  | 0.2 | 17        |
| 33 | Myocardial protection against reperfusion injury: the cGMP pathway. <i>Thrombosis and Haemostasis</i> , 2009, 101, 635-42.   | 3.4 | 16        |
| 34 | Acidic reoxygenation protects against endothelial dysfunction in rat aortic rings submitted to simulated ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2409-H2416.                                    | 3.2 | 14        |
| 35 | Intracoronary infusion of Gd <sup>3+</sup> into ischemic region does not suppress phase Ib ventricular arrhythmias after coronary occlusion in swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H2344-H2350. | 3.2 | 13        |
| 36 | Proteoliposomal formulations of an HIV-1 gp41-based miniprotein elicit a lipid-dependent immunodominant response overlapping the 2F5 binding motif. <i>Scientific Reports</i> , 2017, 7, 40800.  | 3.3 | 12        |

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|----|---|-----|-----------|
| 37 | Effects of the Selective Stretch-Activated Channel Blocker GsMtx4 on Stretch-Induced Changes in Refractoriness in Isolated Rat Hearts and on Ventricular Premature Beats and Arrhythmias after Coronary Occlusion in Swine. PLoS ONE, 2015, 10, e0125753. | 2.5 | 12        |
| 38 | Molecular dynamics and intracellular signaling of the TNF-R1 with the R92Q mutation. Journal of Neuroimmunology, 2015, 289, 12-20.  | 2.3 | 10        |
| 39 | Distension of the Ischemic Region Predicts Increased Ventricular Fibrillation Inducibility Following Coronary Occlusion in Swine. Revista Espanola De Cardiologia (English Ed ), 2013, 66, 171-176.   | 0.6 | 9         |
| 40 | Depolarization-induced release of glycine and Î <sup>2</sup> -alanine from plasma membrane vesicles derived from rat brain synaptosomes. Biochimica Et Biophysica Acta - Biomembranes, 1988, 941, 209-216.  | 2.6 | 8         |
| 41 | Computational exploration of the binding mode of hemeâ€dependent stimulators into the active catalytic domain of soluble guanylate cyclase. Proteins: Structure, Function and Bioinformatics, 2016, 84, 1534-1548.  | 2.6 | 4         |
| 42 | Plasma B-type natriuretic peptide levels are poorly related to the occurrence of ischemia or ventricular arrhythmias during symptom-limited exercise in low-risk patients. Archives of Medical Science, 2016, 2, 341-348.                                 | 0.9 | 3         |
| 43 | SBMOpenMM: A Builder of Structure-Based Models for OpenMM. Journal of Chemical Information and Modeling, 2021, 61, 3166-3171.   | 5.4 | 3         |
| 44 | Activation of Polymorphonuclear Leukocytes and Increased Plasma Vasoconstrictors in Vasospastic and Nonvasospastic Angina. Canadian Journal of Cardiology, 2011, 27, 601-605.   | 1.7 | 1         |
| 45 | Stimulation of nitric oxide-dependent cyclic GMP formation in neurons and astrocytes in culture. Neurochemistry International, 1992, 21, C4.  | 3.8 | 0         |