# Ricardo Martinez-Murillo

List of Publications by Year
in descending order



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|---|---|---|---|
| 100 papers | 2,992 citations | 172457 29 h-index | 197818 49 g-index |
| 104 all docs | 104 docs citations | 104 times ranked | 3510 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Postischemic Neuroprotection of Aminoethoxydiphenyl Borate Associates Shortening of Peri-Infarct Depolarizations. International Journal of Molecular Sciences, 2022, 23, 7449. | 4.1 | 6 |
| 2 | The Use of Silica Microparticles to Improve the Efficiency of Optical Hyperthermia (OH). International Journal of Molecular Sciences, 2021, 22, 5091. | 4.1 | 2 |
| 3 | Synthesis, antioxidant properties and neuroprotection of Î±-phenyl-tert-butylnitrone derived HomoBisNitrones in in vitro and in vivo ischemia models. Scientific Reports, 2020, 10, 14150. | 3.3 | 13 |
| 4 | Biomaterials to Neuroprotect the Stroke Brain: A Large Opportunity for Narrow Time Windows. Cells, 2020, 9, 1074. | 4.1 | 32 |
| 5 | Slowdown intracranial glioma progression by optical hyperthermia therapy: study on a CT-2A mouse astrocytoma model. Nanotechnology, 2019, 30, 355101. | 2.6 | 10 |
| 6 | Synthesis, neuroprotective and antioxidant capacity of PBN-related indanonitrones. Bioorganic Chemistry, 2019, 86, 445-451. | 4.1 | 8 |
| 7 | The <scp>APP</scp>swe/<scp>PS</scp>1A246E mutations in an astrocytic cell line leads to increased vulnerability to oxygen and glucose deprivation, Ca<sup>2+</sup> dysregulation, and mitochondrial abnormalities. Journal of Neurochemistry, 2018, 145, 170-182. | 3.9 | 4 |
| 8 | Cortical Reshaping and Functional Recovery Induced by Silk Fibroin Hydrogels-Encapsulated Stem Cells Implanted in Stroke Animals. Frontiers in Cellular Neuroscience, 2018, 12, 296. | 3.7 | 34 |
| 9 | Neuronâ€“astrocyte signaling is preserved in the aging brain. Glia, 2017, 65, 569-580. | 4.9 | 89 |
| 10 | The proof-of-concept of ASS234: Peripherally administered ASS234 enters the central nervous system and reduces pathology in a male mouse model of Alzheimer disease. Journal of Psychiatry and Neuroscience, 2017, 42, 59-69. | 2.4 | 21 |
| 11 | In Vitro Evaluation of Biocompatibility of Uncoated Thermally Reduced Graphene and Carbon Nanotube-Loaded PVDF Membranes with Adult Neural Stem Cell-Derived Neurons and Glia. Frontiers in Bioengineering and Biotechnology, 2016, 4, 94. | 4.1 | 29 |
| 12 | Methylene blue prevents retinal damage in an experimental model of ischemic proliferative retinopathy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R1011-R1019. | 1.8 | 16 |
| 13 | Lack of adrenomedullin in mouse endothelial cells results in defective angiogenesis, enhanced vascular permeability, less metastasis, and more brain damage. Scientific Reports, 2016, 6, 33495. | 3.3 | 31 |
| 14 | Thermally reduced graphene is a permissive material for neurons and astrocytes and de novo neurogenesis in the adult olfactory bulb inÂvivo. Biomaterials, 2016, 82, 84-93. | 11.4 | 42 |
| 15 | Long-term dynamics of somatosensory activity in a stroke model of distal middle cerebral artery oclussion. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 606-620. | 4.3 | 14 |
| 16 | Adrenomedullin Expression in Alzheimer's Brain. Current Alzheimer Research, 2016, 13, 428-438. | 1.4 | 14 |
| 17 | The Ïƒ1 Receptor Engages the Redox-Regulated HINT1 Protein to Bring Opioid Analgesia Under NMDA Receptor Negative Control. Antioxidants and Redox Signaling, 2015, 22, 799-818. | 5.4 | 71 |
| 18 | Methamphetamine Causes Degeneration of Dopamine Cell Bodies and Terminals of the Nigrostriatal Pathway Evidenced by Silver Staining. Neuropsychopharmacology, 2014, 39, 1066-1080. | 5.4 | 127 |

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|---|---|---|---|
| 19 | Astrocytes require insulin-like growth factor I to protect neurons against oxidative injury. F1000Research, 2014, 3, 28. | 1.6 | 33 |
| 20 | Astrocytes require insulin-like growth factor I to protect neurons against oxidative injury. F1000Research, 2014, 3, 28. | 1.6 | 58 |
| 21 | Review: Could neurotransmitters influence neurogenesis and neurorepair after stroke?. Neuropathology and Applied Neurobiology, 2013, 39, 722-735. | 3.2 | 12 |
| 22 | Hypothermia Prevents Gliosis and Angiogenesis Development in an Experimental Model of Ischemic Proliferative Retinopathy. , 2013, 54, 2836. | | 25 |
| 23 | New synthesis and promising neuroprotective role in experimental ischemic stroke of ONO-1714. European Journal of Medicinal Chemistry, 2012, 54, 439-446. | 5.5 | 12 |
| 24 | Neural differentiation of transplanted neural stem cells in a rat model of striatal lacunar infarction: light and electron microscopic observations. Frontiers in Cellular Neuroscience, 2012, 6, 30. | 3.7 | 17 |
| 25 | GuÃa de recomendaciones en la aplicaciÃ³n de modelos animales para el estudio del ictus. NeurologÃa, 2011, 26, 105-110. | 0.7 | 12 |
| 26 | RGSZ2 Binds to the Neural Nitric Oxide Synthase PDZ Domain to Regulate Mu-Opioid Receptor-Mediated Potentiation of theN-Methyl-D-Aspartate Receptor-Calmodulin-Dependent Protein Kinase II Pathway. Antioxidants and Redox Signaling, 2011, 15, 873-887. | 5.4 | 30 |
| 27 | Hypothermia prevents nitric oxide system changes in retina induced by severe perinatal asphyxia. Journal of Neuroscience Research, 2011, 89, 729-743. | 2.9 | 16 |
| 28 | SUMO-SIM Interactions Regulate the Activity of RGSZ2 Proteins. PLoS ONE, 2011, 6, e28557. | 2.5 | 13 |
| 29 | Adrenomedullin and Nitric Oxide: Implications for the Etiology and Treatment of Primary Brain Tumors. CNS and Neurological Disorders - Drug Targets, 2011, 10, 820-833. | 1.4 | 8 |
| 30 | High sensitivity to carcinogens in the brain of a mouse model of Alzheimer's disease. Oncogene, 2010, 29, 2165-2171. | 5.9 | 27 |
| 31 | Lack of Adrenomedullin in the Central Nervous System Results in Apparently Paradoxical Alterations on Pain Sensitivity. Endocrinology, 2010, 151, 4908-4915. | 2.8 | 27 |
| 32 | Nitric Oxide: Target for Therapeutic Strategies in Alzheimers Disease. Current Pharmaceutical Design, 2010, 16, 2837-2850. | 1.9 | 34 |
| 33 | Lack of adrenomedullin, but not complement factor H, results in larger infarct size and more extensive brain damage in a focal ischemia model. Neuroscience, 2010, 171, 885-892. | 2.3 | 21 |
| 34 | Cajals achievements in the field of the development of dendritic arbors. International Journal of Developmental Biology, 2010, 54, 1405-1417. | 0.6 | 7 |
| 35 | Updating old ideas and recent advances regarding the Interstitial Cells of Cajal. Brain Research Reviews, 2009, 61, 154-169. | 9.0 | 39 |
| 36 | Whole-body periodic acceleration reduces brain damage in a focal ischemia model. Neuroscience, 2009, 158, 1390-1396. | 2.3 | 9 |

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|---|---|---|---|
| 37 | Cyclopropanation Reactions for the Synthesis of 2-Azabicyclo[4.1.0]heptane Derivatives with Nitric Oxide Synthase Inhibitory Activity. Chemistry Letters, 2008, 37, 1222-1223. | 1.3 | 6 |
| 38 | Changes in the Expression Pattern of the Nitrergic System of Ovine Cerebellum Affected by Scrapie. Journal of Neuropathology and Experimental Neurology, 2007, 66, 196-207. | 1.7 | 6 |
| 39 | The nitric oxide donor LA 419 decreases brain damage in a focal ischemia model. Neuroscience Letters, 2007, 415, 149-153. | 2.1 | 23 |
| 40 | Standardization of an orthotopic mouse brain tumor model following transplantation of CT-2A astrocytoma cells. Histology and Histopathology, 2007, 22, 1309-26. | 0.7 | 51 |
| 41 | The nitric oxide donor LA 419 decreases ischemic brain damage. International Journal of Molecular Medicine, 2007, 19, 229-36. | 4.0 | 7 |
| 42 | Distribution and expression pattern of the nitrergic system in the cerebellum of the sheep. Neuroscience, 2006, 139, 889-898. | 2.3 | 11 |
| 43 | The contributions of Santiago RamÃ³n y Cajal to cancer research â€" 100 years on. Nature Reviews Cancer, 2005, 5, 904-909. | 28.4 | 12 |
| 44 | Nitric oxide in the rat cerebellum after hypoxia/ischemia. Cerebellum, 2004, 3, 194-203. | 2.5 | 14 |
| 45 | Nitric oxide in the cerebral cortex of amyloid-precursor protein (SW) Tg2576 transgenic mice. Neuroscience, 2004, 128, 73-89. | 2.3 | 68 |
| 46 | Expression of nitric oxide system in clinically evaluated cases of Alzheimer's disease. Neurobiology of Disease, 2004, 15, 287-305. | 4.4 | 110 |
| 47 | Intra- and extracellular Abeta and PHF in clinically evaluated cases of Alzheimer's disease. Histology and Histopathology, 2004, 19, 823-44. | 0.7 | 99 |
| 48 | Postnatal changes in the nitric oxide system of the rat cerebral cortex after hypoxia during delivery. Developmental Brain Research, 2003, 142, 177-192. | 1.7 | 29 |
| 49 | Expression of nitrergic system and protein nitration in adult rat brains submitted to acute hypobaric hypoxia. Nitric Oxide - Biology and Chemistry, 2003, 8, 182-201. | 2.7 | 24 |
| 50 | Adrenomedullin in the central nervous system. Microscopy Research and Technique, 2002, 57, 76-90. | 2.2 | 47 |
| 51 | Neuronal and inducible nitric oxide synthase expression and protein nitration in rat cerebellum after oxygen and glucose deprivation. Brain Research, 2001, 909, 20-45. | 2.2 | 93 |
| 52 | Distribution of adrenomedullin-like immunoreactivity in the rat central nervous system by light and electron microscopy. Brain Research, 2000, 853, 245-268. | 2.2 | 101 |
| 53 | Expression of neuronal nitric oxide synthase during embryonic development of the rat cerebral cortex. Developmental Brain Research, 1998, 111, 205-222. | 1.7 | 51 |
| 54 | Neuronal and inducible nitric oxide synthase and nitrotyrosine immunoreactivities in the cerebral cortex of the aging rat. , 1998, 43, 75-88. | | 115 |

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|---|---|---|---|
| 55 | Subcellular localization of low-affinity nerve growth factor receptor-immunoreactive protein in adult rat purkinje cells following traumatic injury. Experimental Brain Research, 1998, 119, 47-57. | 1.5 | 17 |
| 56 | Distribution of nitric oxide synthase in the esophagus of the cat and monkey. Journal of the Autonomic Nervous System, 1998, 70, 164-179. | 1.9 | 29 |
| 57 | Distribution of catecholaminergic afferent fibres in the rat globus pallidus and their relations with cholinergic neurons. Journal of Chemical Neuroanatomy, 1998, 15, 1-20. | 2.1 | 26 |
| 58 | Distribution of neuronal nitric oxide synthase in the rat liver. Neuroscience Letters, 1997, 226, 99-102. | 2.1 | 31 |
| 59 | Subcellular localization of nitric oxide synthase in the cerebral ventricular system, subfornical organ, area postrema, and blood vessels of the rat brain. , 1997, 378, 522-534. | | 44 |
| 60 | Ischemia and reperfusion reduce the endogenous basic fibroblast growth factor in rat skeletal muscles: An immunohistochemical study. Wound Repair and Regeneration, 1996, 4, 381-385. | 3.0 | 8 |
| 61 | Distribution of glyoxylate dehydrogenase activity in cortical and subcortical regions of the rat brain. A light microscopic histoenzymological study. Cellular and Molecular Biology, 1996, 42, 873-80. | 0.9 | 2 |
| 62 | Chemical heterogeneity in adult rat cerebellar purkinje cells as revealed by zebrin I and low-affinity nerve growth factor receptor immunocytochemical expression following injury. Journal of Neurocytology, 1995, 24, 807-817. | 1.5 | 10 |
| 63 | C-PON immunoreactive neurons in the neostriatum of the hedgehog (Erinaceus europaeus): a correlated light- and electron-microscopic study. Cell and Tissue Research, 1994, 277, 177-181. | 2.9 | 1 |
| 64 | Presence of calcitonin gene-related peptide in intraepithelial nerve fibers and motor end-plates of the cat esophagus: a light and electron microscopic study. Journal of the Autonomic Nervous System, 1994, 49, 21-31. | 1.9 | 5 |
| 65 | Localization of nitric oxide synthase in the adult rat brain. Philosophical Transactions of the Royal Society B: Biological Sciences, 1994, 345, 175-221. | 4.0 | 365 |
| 66 | Subcellular localization of the inositol 1,4,5-triphosphate receptor, P400, in the vestibular complex and dorsal cochlear nucleus of the rat. Brain Research, 1994, 634, 191-202. | 2.2 | 9 |
| 67 | Insulin-like growth factor I-immunoreactive peptide in adult human cerebellar purkinje cells: Co-localization with low-affinity nerve growth factor receptor. Neuroscience, 1994, 59, 641-650. | 2.3 | 24 |
| 68 | Molecular and Cellular Ace:infects of Neurotransmission and IMeuromodulation. International Review of Cytology, 1994, 149, 217-292. | 6.2 | 8 |
| 69 | Distribution of the inositol 1,4,5-trisphosphate receptor, P400, in adult rat brain. Journal of Comparative Neurology, 1993, 337, 493-517. | 1.6 | 28 |
| 70 | Immunohistochemical localization of the inositol 1,4,5-triphosphate receptor in the human nervous system. Brain Research, 1993, 601, 193-202. | 2.2 | 13 |
| 71 | Presence of C-flanking peptide of neuropeptide Y (C-PON)-immunoreactive neurons in the olfactory cortex of the hedgehog (Erinaceus europaeus). Neuroscience Letters, 1993, 158, 109-112. | 2.1 | 2 |
| 72 | Lesion-induced expression of low-affinity nerve growth factor receptor-immunoreactive protein in Purkinje cells of the adult rat. Neuroscience, 1993, 52, 587-593. | 2.3 | 33 |

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|---|---|---|---|
| 73 | Subcellular localization of insulin-like growth factor I (IGF-I) in Purkinje cells of the adult rat: An immunocytochemical study. Neuroscience Letters, 1992, 135, 171-174. | 2.1 | 38 |
| 74 | Immunocytochemical Localization of Insulin-Like Growth Factor I in the Hypothalamo-Hypophyseal System of the Adult Rat. Neuroendocrinology, 1992, 56, 856-863. | 2.5 | 16 |
| 75 | Lasting loss in substance P following administration of substance P antiserum to newborn rats. An immunohistochemical study. Neuroscience Letters, 1991, 126, 75-78. | 2.1 | 5 |
| 76 | Subcellular localization of nerve growth factor receptors in identified cells of the rat nucleus basalis magnocellularis: An immunocytochemical study. Neuroscience, 1991, 42, 463-472. | 2.3 | 8 |
| 77 | Expression of Basic Fibroblast Growth Factor and Its Receptor in the Rat Subfornical Organ. Neuroendocrinology, 1991, 54, 62-67. | 2.5 | 16 |
| 78 | Immunocytochemical localization of cholinergic terminals in the region of the nucleus basalis magnocellularis of the rat: A correlated light and electron microscopic study. Neuroscience, 1990, 36, 361-376. | 2.3 | 38 |
| 79 | Cholinergic somata and terminals in the rat substantia nigra: An immunocytochemical study with optical and electron microscopic techniques. Journal of Comparative Neurology, 1989, 281, 397-415. | 1.6 | 62 |
| 80 | Light and electron microscopic study of galanin-immunoreactive nerve fibers in the rat posterior thalamus. Journal of Comparative Neurology, 1989, 283, 1-12. | 1.6 | 15 |
| 81 | Electron microscopic localization of cholinergic terminals in the rat substantia nigra: An immunocytochemical study. Neuroscience Letters, 1989, 96, 121-126. | 2.1 | 36 |
| 82 | Distribution and density of neuropeptide Y-immunoreactive nerve fibres and cells in the horse urinary bladder. Journal of the Autonomic Nervous System, 1989, 27, 173-180. | 1.9 | 21 |
| 83 | Localization of C-PON immunoreactivity in the rat main olfactory bulb. Demonstration that the population of neurons containing endogenous C-PON display NADPH-diaphorase activity. Neuroscience, 1989, 33, 373-382. | 2.3 | 29 |
| 84 | Distribution of enkephalin-immunoreactive nerve fibres and terminals in the region of the nucleus basalis magnocellularis of the rat: a light and electron microscopic study. Journal of Neurocytology, 1988, 17, 361-376. | 1.5 | 30 |
| 85 | Immunocytochemical analysis of calcitonin gene-related peptide and vasoactive intestinal polypeptide in Merkel cells and cutaneous free nerve endings of cats. Cell and Tissue Research, 1988, 254, 429-37. | 2.9 | 46 |
| 86 | C-PON containing neurons in the rat striatum are also positive for NADPH-diaphorase activity. A light microscopic study. Brain Research, 1988, 462, 359-362. | 2.2 | 26 |
| 87 | The origin of tyrosine hydroxylase-immunoreactive fibers in the regions of the nucleus basalis magnocellularis of the rat. Brain Research, 1988, 451, 227-236. | 2.2 | 36 |
| 88 | Presence of calcitonin gene-related peptide (CGRP) and substance P (SP) immunoreactivity in intraepidermal free nerve endings of cat skin. Brain Research, 1988, 442, 391-395. | 2.2 | 50 |
| 89 | Succinic and malic dehydrogenase histochemical activities in cerebral, cerebellar and neostriatum sections incubated in presence of d-amphetamine. Acta Neuropathologica, 1985, 67, 81-85. | 7.7 | 2 |
| 90 | In vitro d-amphetamine action on oxido-reductase activity of several rat nervous centres. Acta Histochemica, 1984, 74, 85-90. | 1.8 | 3 |

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|---|---|---|---|
| 91 | Action of L-aspartic, methyl aspartic and acetyl aspartic acids on GABA transaminase histochemical activity in nervous tissue. , 1984, 30, 553-7. | | 2 |
| 92 | Study on, distribution of polyanionic substances and glycoproteins in albino rats hippocampus during post-natal development. Acta Histochemica, 1981, 68, 27-34. | 1.8 | 0 |
| 93 | Distribution of peripherally stained neurons by the Colloidal Iron histochemical method in albino rat cerebral cortex. A quantitative study. Neuroscience Letters, 1980, 17, 79-83. | 2.1 | 2 |
| 94 | Histochemical characteristics of diphosphate nucleoside consumption in, cat and rat nervous system. Acta Histochemica, 1979, 65, 138-145. | 1.8 | 11 |
| 95 | Morphological and cytochemical study of a hypothalamochiasmatic perivascular neuronal system. Journal of Anatomy, 1979, 128, 563-70. | 1.5 | 1 |
| 96 | Separation of specific fractions of synaptosomes by affinity chromatography. Experientia, 1978, 34, 1598-1598. | 1.2 | 2 |
| 97 | Diaminobenzidine oxidation in cerebellar histological sections. Acta Histochemica, 1978, 62, 110-119. | 1.8 | 0 |
| 98 | Glycoproteins and polyanions in the synapses of rat and mouse central nervous system. Acta Histochemica, 1978, 61, 89-97. | 1.8 | 8 |
| 99 | Localization of aspartate aminotransferase and glutamic dehydrogenase in the Edinger-Westphal and oculomotor nuclei of Lacerta lepida. Neuroscience Letters, 1977, 6, 65-68. | 2.1 | 1 |
| 100 | The nitric oxide donor LA 419 decreases ischemic brain damage. International Journal of Molecular Medicine, 0, , . | 4.0 | 2 |