

ADDITIONAL INFORMATION

Pubblicazioni

Autore o coautore di circa 120 pubblicazioni in extenso (fonte PubMed) su riviste internazionali indicizzate, 10 capitoli di libri e oltre 150 abstract di comunicazioni a congressi nazionali e internazionali.

1: Bagetta G, Corasaniti MT, Paoletti AM, Berliocchi L, Nisticò R, Giammarioli AM, Malorni W, Finazzi-Agrò A. HIV-1 gp120-induced apoptosis in the rat neocortex involves enhanced expression of cyclo-oxygenase type 2 (COX-2). *Biochem Biophys Res Commun*. 1998 Mar 27;244(3):819-24.

2: Bagetta G, Corasaniti MT, Berliocchi L, Nisticò R, Giammarioli AM, Malorni W, Aloe L, Finazzi-Agrò A. Involvement of interleukin-1beta in the mechanism of human immunodeficiency virus type 1 (HIV-1) recombinant protein gp120-induced apoptosis in the neocortex of rat. *Neuroscience*. 1999;89(4):1051-66.

3: Bagetta G, Rodinò P, Arabia A, Massoud R, Paoletti AM, Nisticò R, Passantino L, Preziosi P. Systemic administration of cocaine, given alone or in combination with sensory stimuli, differentially affects L-arginine-nitric oxide metabolism in discrete regions of the brain of rat. *Neurosci Lett*. 1999 May 14;266(3):153-6

4: Maccarrone M, Bari M, Corasaniti MT, Nisticò R, Bagetta G, Finazzi-Agrò A. HIV-1 coat glycoprotein gp120 induces apoptosis in rat brain neocortex by deranging the arachidonate cascade in favor of prostanoids. *J Neurochem*. 2000 Jul;75(1):196-203.

5: Corasaniti MT, Strongoli MC, Piccirilli S, Nisticò R, Costa A, Bilotta A, Turano P, Finazzi-Agrò A, Bagetta G. Apoptosis induced by gp120 in the neocortex of rat involves enhanced expression of cyclooxygenase type 2 and is prevented by NMDA receptor antagonists and by the 21-aminosteroid U-74389G. *Biochem Biophys Res Commun*. 2000 Aug 11;274(3):664-9.

6: Nucci C, Piccirilli S, Rodinò P, Nisticò R, Grandinetti M, Cerulli L, Leist M, Nicotera P, Bagetta G. Apoptosis in the dorsal lateral geniculate nucleus after monocular deprivation involves glutamate signaling, NO production, and PARP activation. *Biochem Biophys Res Commun*. 2000 Nov 19;278(2):360-7.

7: Corasaniti MT, Turano P, Bilotta A, Malorni W, Stringaro AR, Nisticò R, Finazzi-Agrò A, Bagetta G. Evidence that increases of mitochondrial immunoreactive IL-1beta by HIV-1 gp120 implicate in situ cleavage of pro-IL-1beta in the neocortex of rat. *J Neurochem*. 2001 Aug;78(3):611-8.

8: Corasaniti MT, Piccirilli S, Paoletti A, Nisticò R, Stringaro A, Malorni W, Finazzi-Agrò A, Bagetta G. Evidence that the HIV-1 coat protein gp120 causes neuronal apoptosis in the neocortex of rat via a mechanism involving CXCR4 chemokine receptor. *Neurosci Lett*. 2001 Oct 19;312(2):67-70.

9: Corasaniti MT, Maccarrone M, Nisticò R, Malorni W, Rotiroti D, Bagetta G. Exploitation of the HIV-1 coat glycoprotein, gp120, in neurodegenerative studies in vivo. *J Neurochem*. 2001 Oct;79(1):1-8.

10: Mollace V, Muscoli C, Palma E, Iannone M, Granato T, Nisticò R, Rotiroti D. Central cardiovascular responses induced by interleukin 1 beta and tumor necrosis factor alpha infused into nucleus tractus solitarii, nucleus parabrachialis medialis and third cerebral ventricle of normotensive rats. *Neurosci Lett.* 2001 Nov 13;314(1-2):53-6.

11: Mollace V, Salvemini D, Riley DP, Muscoli C, Iannone M, Granato T, Masuelli L, Modesti A, Rotiroti D, Nisticò R, Bertoli A, Perno CF, Aquaro S. The contribution of oxidative stress in apoptosis of human-cultured astroglial cells induced by supernatants of HIV-1-infected macrophages. *J Leukoc Biol.* 2002 Jan;71(1):65-72.

12: Bagetta G, Paoletti AM, Leta A, Del Duca C, Nisticò R, Rotiroti D, Corasaniti MT. Abnormal expression of neuronal nitric oxide synthase triggers limbic seizures and hippocampal damage in rat. *Biochem Biophys Res Commun.* 2002 Feb 22;291(2):255-60.

13: Mollace V, Muscoli C, Iannone M, Palma E, Rotiroti D, Romeo F, Nisticò R, Salvemini D. Dexamethasone inhibits the inducible bioconversion of glyceryl trinitrate to nitric oxide. *J Cardiovasc Pharmacol.* 2002 Apr;39(4):544-51.

14: Nucci C, Piccirilli S, Nisticò R, Cerulli L, Bagetta G. Excitotoxic mechanisms of apoptosis in the mammalian visual system following monocular visual deprivation. *Pharmacol Toxicol.* 2002 Oct;91(4):153-7.

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16: Mollace V, Iannone M, Muscoli C, Palma E, Granato T, Rispoli V, Nisticò R, Rotiroti D, Salvemini D. The role of oxidative stress in paraquat-induced neurotoxicity in rats: protection by non peptidyl superoxide dismutase mimetic. *Neurosci Lett.* 2003 Jan 2;335(3):163-6.

17: Nucci C, Morrone L, Rombolà L, Nisticò R, Piccirilli S, Cerulli L. Multifaceted roles of nitric oxide in the lateral geniculate nucleus: from visual signal transduction to neuronal apoptosis. *Toxicol Lett.* 2003 Apr 4;139(2-3):163-73.

18: Nucci C, Piccirilli S, Nisticò R, Morrone LA, Cerulli L, Bagetta G. Apoptosis in the mechanisms of neuronal plasticity in the developing visual system. *Eur J Ophthalmol.* 2003 Apr;13 Suppl 3:S36-43.

19: Mollace V, Iannone M, Muscoli C, Palma E, Granato T, Modesti A, Nisticò R, Rotiroti D, Salvemini D. The protective effect of M40401, a superoxide dismutase mimetic, on post-ischemic brain damage in Mongolian gerbils. *BMC Pharmacol.* 2003 Jun 16;3:8.

20: Lauri SE, Bortolotto ZA, Nisticò R, Bleakman D, Ornstein PL, Lodge D, Isaac JT, Collingridge GL. A role for Ca²⁺ stores in kainate receptor-dependent synaptic facilitation and LTP at mossy fiber synapses in the hippocampus. *Neuron.* 2003 Jul 17;39(2):327-41.

21: More JC*, Nisticò R*, Dolman NP, Clarke VR, Alt AJ, Ogden AM, Buelens FP, Troop HM, Kelland EE, Pilato F, Bleakman D, Bortolotto ZA, Collingridge GL, Jane DE. Characterisation of UBP296: a novel, potent and selective kainate receptor antagonist.

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23: Muscoli C, Visalli V, Colica C, Nisticò R, Palma E, Costa N, Rotiroli D, Nisticò G, Mollace V. The effect of inflammatory stimuli on NMDA-related activation of glutamine synthase in human cultured astroglial cells. *Neurosci Lett*. 2005 Jan 20;373(3):184-8.

24: Bortolotto ZA, Nisticò R, More JC, Jane DE, Collingridge GL. Kainate receptors and mossy fiber LTP. *Neurotoxicology*. 2005 Oct;26(5):769-77. Epub 2005 Jun 6.

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26: Nisticò R, Piccirilli S, Sebastianelli L, Nisticò G, Bernardi G, Mercuri NB. The blockade of K(+)-ATP channels has neuroprotective effects in an in vitro model of brain ischemia. *Int Rev Neurobiol*. 2007;82:383-95.

27: Errico F*, Nisticò R*, Palma G, Federici M, Affuso A, Brillì E, Topo E, Centonze D, Bernardi G, Bozzi Y, D'Aniello A, Di Lauro R, Mercuri NB, Usiello A. Increased levels of d-aspartate in the hippocampus enhance LTP but do not facilitate cognitive flexibility. *Mol Cell Neurosci*. 2008 Feb;37(2):236-46.

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29: Berretta N*, Nisticò R*, Bernardi G, Mercuri NB. Synaptic plasticity in the basal ganglia: a similar code for physiological and pathological conditions. *Prog Neurobiol*. 2008 Apr;84(4):343-62.

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31: Giustizieri M, Armogida M, Berretta N, Federici M, Piccirilli S, Mercuri NB, Nisticò R. Differential effect of carbamazepine and oxcarbazepine on excitatory synaptic transmission in rat hippocampus. *Synapse*. 2008 Oct;62(10):783-9.

32: Dargan SL, Clarke VR, Alushin GM, Sherwood JL, Nisticò R, Bortolotto ZA, Doherty AJ, Lodge D, Mayer ML, Fitzjohn SM, Jane DE, Collingridge GL. ACET is a highly potent and specific kainate receptor antagonist: characterisation and effects on hippocampal mossy fibre function. *Neuropharmacology*. 2009 Jan;56(1):121-30.

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- 34: Amantea D, Marrone MC, Nisticò R, Federici M, Bagetta G, Bernardi G, Mercuri NB. Chapter 25 Oxidative stress in stroke pathophysiology validation of hydrogen peroxide metabolism as a pharmacological target to afford neuroprotection. *Int Rev Neurobiol.* 2009;85:363-74
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- 36: Armogida M, Giustizieri M, Zona C, Piccirilli S, Nisticò R, Mercuri NB. N-ethyl lidocaine (QX-314) protects striatal neurons against ischemia: an in vitro electrophysiological study. *Synapse.* 2010 ; 64:161-168.
- 37: Errico F, Napolitano F, Nisticò R, Centonze D, Usiello A. D-aspartate: an atypical amino acid with neuromodulatory activity in mammals. *Rev Neurosci.* 2009;20(5-6):429-40.
- 38: Terrinoni A, Codispoti A, Serra V, Didona B, Bruno E, Nisticò R, Giustizieri M, Alessandrini M, Campione E, Melino G. Connexin 26 (GJB2) mutations, causing KID Syndrome, are associated with cell death due to calcium gating deregulation. *Biochem Biophys Res Commun.* 2010 Apr 16;394(4):909-14.
- 39: Middei S, Berretta N, Roberto A, Panico MB, Lista S, Bernardi G, Mercuri NB, Ammassari-Teule M, Nisticò R. Learning discloses abnormal structural and functional plasticity at hippocampal synapses in the APP23 mouse model of Alzheimer's disease. *Learn Mem.* 2010 Apr 19;17(5):236-40. IF 2,894
- 40: Napolitano F, Bonito-Oliva A, Federici M, Carta M, Errico F, Magara S, Martella G, Nisticò R, Centonze D, Pisani A, Gu HH, Mercuri NB, Usiello A. Role of aberrant striatal dopamine D1 receptor/cAMP/protein kinase A/DARPP32 signaling in the paradoxical calming effect of amphetamine. *J Neurosci.* 2010 Aug 18;30(33):11043-56.
- 41: Fazi B, Biancolella M, Mehdawy B, Corazzari M, Minella D, Blandini F, Moreno S, Nardacci R, Nisticò R, Sepe S, Novelli G, Piacentini M, Di Sano F. Characterization of gene expression induced by RTN-1C in human neuroblastoma cells and in mouse brain. *Neurobiol Dis.* 2010 Dec;40(3):634-44.
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- 43: Lignitto L, Carlucci A, Sepe M, Stefan E, Cuomo O, Nisticò R, Scorziello A, Savoia C, Garbi C, Annunziato L, Feliciello A. Control of PKA stability and signalling by RING ligase praja2. *Nat Cell Biol.* 2011 Apr;13(4):412-22.

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48: Errico F*, Nisticò R*, Napolitano F, Florio T, Barbieri F, Bonito Oliva A, Russo C, Mercuri NB, Usiello A. Persistent increase of D-aspartate in D-aspartate oxidase mutant mice induces a precocious hippocampal age-dependent synaptic plasticity and spatial memory decay. *Neurobiol Aging*. 2011 Nov;32(11):2061-74.

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53: Nisticò R, Cavallucci V, Piccinin S, Macrì S, Pignatelli M, Mehdawy B, Laviola G, Mercuri NB, D'Amelio M. Insulin Receptor haploinsufficiency impairs long-term synaptic plasticity in the hippocampus. *Neuromolecular Med*. 2012 Jun 3. Doi: 10.1007/s12017-012-8184-z.

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