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Numerose pubblicazioni in riviste nazionali e internazionali , dal 1987 a oggi:

- **2009:** Balosso S; Ravizza T; Pierucci M; Calcagno E; Invernizzi R; Di Giovanni G; Esposito E; Vezzani A
Molecular and functional interactions between tumor necrosis factor-alpha receptors and the glutamatergic system in the mouse hippocampus: implications for seizure susceptibility.
Neuroscience 2009;161(1):293-300.
- **2009:** Noé Francesco; Frasca Angelisa; Balducci Claudia; Carli Mirjana; Sperk Gunther; Ferraguti Francesco; Pitkänen Asla; Bland Ross; Fitzsimons Helen; During Matthew; Vezzani Annamaria
Neuropeptide Y overexpression using recombinant adeno-associated viral vectors.
Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics 2009;6(2):300-6.
- **2009:** Marcon Jessica; Gagliardi Barbara; Balosso Silvia; Maroso Mattia; Noé Francesco; Morin Mélanie; Lerner-Natoli Mireille; Vezzani Annamaria; Ravizza Teresa
Age-dependent vascular changes induced by status epilepticus in rat forebrain: implications for epileptogenesis.
Neurobiology of disease 2009;34(1):121-32.
- **2008:** Vezzani Annamaria
VEGF as a target for neuroprotection.
Epilepsy currents / American Epilepsy Society 2008;8(5):135-7.
- **2008:** Ravizza Teresa; Noé Francesco; Zardoni Daniela; Vaghi Valentina; Sifringer Marco; Vezzani Annamaria
Interleukin Converting Enzyme inhibition impairs kindling epileptogenesis in rats by blocking astrocytic IL-1beta production.
Neurobiology of disease 2008;31(3):327-33.
- **2008:** Vezzani Annamaria; Balosso Silvia; Ravizza Teresa
The role of cytokines in the pathophysiology of epilepsy.
Brain, behavior, and immunity 2008;22(6):797-803.
- **2008:** Bernardino Liliana; Balosso Silvia; Ravizza Teresa; Marchi Nicola; Ku George; Randle John C; Malva João O; Vezzani Annamaria
Inflammatory events in hippocampal slice cultures prime neuronal susceptibility to excitotoxic injury: a crucial role of P2X7 receptor-mediated IL-1beta release.
Journal of neurochemistry 2008;106(1):271-80.
- **2008:** Noé Francesco; Pool Allan-Hermann; Nissinen Jari; Gobbi Marco; Bland Ross; Rizzi Massimo; Balducci Claudia; Ferraguti Francesco; Sperk Gunther; During Matthew J; Pitkänen Asla; Vezzani Annamaria
Neuropeptide Y gene therapy decreases chronic spontaneous seizures in a rat model of temporal lobe epilepsy.
Brain : a journal of neurology 2008;131(Pt 6):1506-15.
- **2008:** Vezzani Annamaria
Innate immunity and inflammation in temporal lobe epilepsy: new emphasis on the role of complement activation.
Epilepsy currents / American Epilepsy Society 2008;8(3):75-7.
- **2008:** Bozzi Yuri; Vezzani Annamaria; Simonato Michele; de Curtis Marco; Avanzini Giuliano; Caleo Matteo
Fourth conference on epileptogenesis, May 23-26, 2007, Pisa, Italy.
Epilepsia 2008;49(5):929-34.
- **2008:** Vezzani Annamaria
Epileptogenic role of astrocyte dysfunction.
Epilepsy currents / American Epilepsy Society 2008;8(2):46-7.

- **2008:** Uva L; Librizzi L; Marchi N; Noe F; Bongiovanni R; Vezzani A; Janigro D; de Curtis M
Acute induction of epileptiform discharges by pilocarpine in the in vitro isolated guinea-pig brain requires enhancement of blood-brain barrier permeability.
Neuroscience 2008;151(1):303-12.
- **2008:** Ravizza Teresa; Gagliardi Barbara; Noé Francesco; Boer Karin; Aronica Eleonora; Vezzani Annamaria
Innate and adaptive immunity during epileptogenesis and spontaneous seizures: evidence from experimental models and human temporal lobe epilepsy.
Neurobiology of disease 2008;29(1):142-60.
- **2008:** Sørensen Andreas T; Kanter-Schlifke Irene; Carli Mirjana; Balducci Claudia; Noe Francesco; During Matthew J; Vezzani Annamaria; Kokaia Merab
NPY gene transfer in the hippocampus attenuates synaptic plasticity and learning.
Hippocampus 2008;18(6):564-74.
- **2008:** Vezzani Annamaria; Ravizza Teresa; Balosso Silvia; Aronica Eleonora
Glia as a source of cytokines: implications for neuronal excitability and survival.
Epilepsia 2008;49 Suppl 2():24-32.
- **2007:** Vezzani Annamaria
The promise of gene therapy for the treatment of epilepsy.
Expert review of neurotherapeutics 2007;7(12):1685-92.
- **2007:** Bartfai Tamas; Sanchez-Alavez Manuel; Andell-Jonsson Siv; Schultzberg Marianne; Vezzani Annamaria; Danielsson Erik; Conti Bruno
Interleukin-1 system in CNS stress: seizures, fever, and neurotrauma.
Annals of the New York Academy of Sciences 2007;1113():173-7.
- **2007:** Noe' Francesco; Nissinen Jari; Pitkänen Asla; Gobbi Marco; Sperk Gunther; During Matthew; Vezzani Annamaria
Gene therapy in epilepsy: the focus on NPY.
Peptides 2007;28(2):377-83.
- **2006:** Marchi Nicola; Guiso Giovanna; Caccia Silvio; Rizzi Massimo; Gagliardi Barbara; Noé Francesco; Ravizza Teresa; Bassanini Stefania; Chimenti Stefano; Battaglia Giorgio; Vezzani Annamaria
Determinants of drug brain uptake in a rat model of seizure-associated malformations of cortical development.
Neurobiology of disease 2006;24(3):429-42.
- **2006:** Ravizza T; Boer K; Redeker S; Spliet W G M; van Rijen P C; Troost D; Vezzani A; Aronica E
The IL-1beta system in epilepsy-associated malformations of cortical development.
Neurobiology of disease 2006;24(1):128-43.
- **2006:** Ravizza Teresa; Lucas Sian-Marie; Balosso Silvia; Bernardino Liliana; Ku George; Noé Francesco; Malva Joao; Randle John C R; Allan Stuart; Vezzani Annamaria
Inactivation of caspase-1 in rodent brain: a novel anticonvulsive strategy.
Epilepsia 2006;47(7):1160-8.
- **2006:** Oby Emily; Caccia Silvio; Vezzani Annamaria; Moeddel Gabriel; Hallene Kerri; Guiso Giovanna; Said Tamer; Bingaman William; Marchi Nicola; Baumgartner Christoph; Pirker Susanne; Czech Thomas; Lo Russo Giorgio; Janigro Damir
In vitro responsiveness of human-drug-resistant tissue to antiepileptic drugs: insights into the mechanisms of pharmacoresistance.
Brain research 2006;1086(1):201-13.
- **2006:** van Vliet Erwin A; van Schaik Rosalinde; Edelbroek Peter M; Redeker Sandra; Aronica Eleonora; Wadman Wytse J; Marchi Nicola; Vezzani Annamaria; Gorter Jan A
Inhibition of the multidrug transporter P-glycoprotein improves seizure control in phenytoin-treated chronic epileptic rats.
Epilepsia 2006;47(4):672-80.

- **2006:** Savino Costanza; Pedotti Rosetta; Baggi Fulvio; Ubiali Federica; Gallo Barbara; Nava Sara; Bigini Paolo; Barbera Sara; Fumagalli Elena; Mennini Tiziana; Vezzani Annamaria; Rizzi Massimo; Coleman Thomas; Cerami Anthony; Brines Michael; Ghezzi Pietro; Bianchi Roberto

Delayed administration of erythropoietin and its non-erythropoietic derivatives ameliorates chronic murine autoimmune encephalomyelitis.

Journal of neuroimmunology 2006;172(1-2):27-37.
- **2006:** Ravizza T; Vezzani A

Status epilepticus induces time-dependent neuronal and astrocytic expression of interleukin-1 receptor type I in the rat limbic system.

Neuroscience 2006;137(1):301-8.
- **2005:** Vezzani Annamaria; Granata Tiziana

Brain inflammation in epilepsy: experimental and clinical evidence.

Epilepsia 2005;46(11):1724-43.
- **2005:** Marchi Nicola; Guiso Giovanna; Rizzi Massimo; Pirker Susanne; Novak Klaus; Czech Thomas; Baumgartner Christoph; Janigro Damir; Caccia Silvio; Vezzani Annamaria

A pilot study on brain-to-plasma partition of 10,11-dihydro-10-hydroxy-5H-dibenzo(b,f)azepine-5-carboxamide and MDR1 brain expression in epilepsy patients not responding to oxcarbazepine.

Epilepsia 2005;46(10):1613-9.
- **2005:** El Bahh Bouchaïb; Balosso Silvia; Hamilton Trevor; Herzog Herbert; Beck-Sickinger Annette G; Sperk Günther; Gehlert Donald R; Vezzani Annamaria; Colmers William F

The anti-epileptic actions of neuropeptide Y in the hippocampus are mediated by Y and not Y receptors.

The European journal of neuroscience 2005;22(6):1417-30.
- **2005:** Bernardino Liliana; Xapelli Sara; Silva Ana P; Jakobsen Birthe; Poulsen Frantz R; Oliveira Catarina R; Vezzani Annamaria; Malva João O; Zimmer Jens

Modulator effects of interleukin-1beta and tumor necrosis factor-alpha on AMPA-induced excitotoxicity in mouse organotypic hippocampal slice cultures.

The Journal of neuroscience : the official journal of the Society for Neuroscience 2005;25(29):6734-44.
- **2005:** Balosso Silvia; Ravizza Teresa; Perego Carlo; Peschon Jacques; Campbell Iain L; De Simoni Maria Grazia; Vezzani Annamaria

Tumor necrosis factor-alpha inhibits seizures in mice via p75 receptors.

Annals of neurology 2005;57(6):804-12.
- **2005:** Costantin Laura; Bozzi Yuri; Richichi Cristina; Viegi Alessandro; Antonucci Flavia; Funicello Marcella; Gobbi Marco; Mennini Tiziana; Rossetto Ornella; Montecucco Cesare; Maffei Lamberto; Vezzani Annamaria; Caleo Matteo

Antiepileptic effects of botulinum neurotoxin E.

The Journal of neuroscience : the official journal of the Society for Neuroscience 2005;25(8):1943-51.
- **2005:** Benmaamar R; Richichi C; Gobbi M; Daniels A J; Beck-Sickinger A G; Vezzani A

Neuropeptide Y Y5 receptors inhibit kindling acquisition in rats.

Regulatory peptides 2005;125(1-3):79-83.
- **2005:** Vezzani Annamaria

Inflammation and epilepsy.

Epilepsy currents / American Epilepsy Society 2005;5(1):1-6.
- **2005:** Ravizza Teresa; Rizzi Massimo; Perego Carlo; Richichi Cristina; Velísková Jana; Moshé Solomon L; De Simoni M Grazia; Vezzani Annamaria

Inflammatory response and glia activation in developing rat hippocampus after status epilepticus.

Epilepsia 2005;46 Suppl 5():113-7.
- **2005:** Nishimura T; Schwarzer C; Gasser E; Kato N; Vezzani A; Sperk G

Altered expression of GABA(A) and GABA(B) receptor subunit mRNAs in the hippocampus after kindling and electrically

induced status epilepticus.

Neuroscience 2005;134(2):691-704.

- **2004:** Marchi Nicola; Hallene Kerri L; Kight Kelly M; Cucullo Luca; Moddel Gabriel; Bingaman William; Dini Gabriele; Vezzani Annamaria; Janigro Damir

Significance of MDR1 and multiple drug resistance in refractory human epileptic brain.

BMC medicine 2004;2():37.

- **2004:** Vezzani Annamaria; Sperk Günther

Overexpression of NPY and Y2 receptors in epileptic brain tissue: an endogenous neuroprotective mechanism in temporal lobe epilepsy?

Neuropeptides 2004;38(4):245-52.

- **2004:** van Vliet Erwin; Aronica Eleonora; Redeker Sandra; Marchi Nicola; Rizzi Massimo; Vezzani Annamaria; Gorter Jan
Selective and persistent upregulation of mdr1b mRNA and P-glycoprotein in the parahippocampal cortex of chronic epileptic rats.

Epilepsy research 2004;60(2-3):203-13.

- **2004:** Vezzani Annamaria

Gene therapy in epilepsy.

Epilepsy currents / American Epilepsy Society 2004;4(3):87-90.

- **2004:** Csaba Zsolt; Richichi Cristina; Bernard Véronique; Epelbaum Jacques; Vezzani Annamaria; Dournaud Pascal
Plasticity of somatostatin and somatostatin sst2A receptors in the rat dentate gyrus during kindling epileptogenesis.

The European journal of neuroscience 2004;19(9):2531-8.

- **2004:** Richichi Cristina; Lin En-Ju D; Stefanin Daniela; Colella Daniele; Ravizza Teresa; Grignaschi Giuliano; Veglianesi Pietro; Sperk Günther; During Matthew J; Vezzani Annamaria
Anticonvulsant and antiepileptogenic effects mediated by adeno-associated virus vector neuropeptide Y expression in the rat hippocampus.

The Journal of neuroscience : the official journal of the Society for Neuroscience 2004;24(12):3051-9.

- **2004:** Vezzani Annamaria; Moneta Daniela; Richichi Cristina; Perego Carlo; De Simoni Maria G

Functional role of proinflammatory and anti-inflammatory cytokines in seizures.

Advances in experimental medicine and biology 2004;548():123-33.

- **2003:** Rizzi Massimo; Perego Carlo; Aliprandi Marisa; Richichi Cristina; Ravizza Teresa; Colella Daniele; Velísková Jana; Moshé Solomon L; De Simoni M Grazia; Vezzani Annamaria

Glia activation and cytokine increase in rat hippocampus by kainic acid-induced status epilepticus during postnatal development.

Neurobiology of disease 2003;14(3):494-503.

- **2003:** Lin En-Ju D; Richichi Cristina; Young Deborah; Baer Kristin; Vezzani Annamaria; During Matthew J
Recombinant AAV-mediated expression of galanin in rat hippocampus suppresses seizure development.

The European journal of neuroscience 2003;18(7):2087-92.

- **2003:** Tschenett Alexandra; Singewald Nicolas; Carli Mirjana; Balducci Claudia; Salchner Peter; Vezzani Annamaria; Herzog Herbert; Sperk Günther

Reduced anxiety and improved stress coping ability in mice lacking NPY-Y2 receptors.

The European journal of neuroscience 2003;18(1):143-8.

- **2002:** Mennini Tiziana; Bigini Paolo; Ravizza Teresa; Vezzani Annamaria; Calvaresi Novella; Tortarolo Massimo; Bendotti Caterina

Expression of glutamate receptor subtypes in the spinal cord of control and mnd mice, a model of motor neuron disorder.

Journal of neuroscience research 2002;70(4):553-60.

- **2002:** Moneta D; Richichi C; Aliprandi M; Dournaud P; Dutar P; Billard J M; Carlo A S; Viollet C; Hannon J P; Fehlmann D; Nunn C; Hoyer D; Epelbaum J; Vezzani A

Somatostatin receptor subtypes 2 and 4 affect seizure susceptibility and hippocampal excitatory neurotransmission in mice.

The European journal of neuroscience 2002;16(5):843-9.

- **2002:** Rizzi Massimo; Caccia Silvio; Guiso Giovanna; Richichi Cristina; Gorter Jan A; Aronica Eleonora; Aliprandi Marisa; Bagnati Renzo; Fanelli Roberto; D'Incalci Maurizio; Samanin Rosario; Vezzani Annamaria

Limbic seizures induce P-glycoprotein in rodent brain: functional implications for pharmacoresistance.

The Journal of neuroscience : the official journal of the Society for Neuroscience 2002;22(14):5833-9.

- **2002:** Vezzani Annamaria; Moneta Daniela; Richichi Cristina; Aliprandi Marisa; Burrows Stephanie J; Ravizza Teresa; Perego Carlo; De Simoni M Grazia

Functional role of inflammatory cytokines and antiinflammatory molecules in seizures and epileptogenesis.

Epilepsia 2002;43 Suppl 5():30-5.

- **2002:** Vezzani A; Michalkiewicz M; Michalkiewicz T; Moneta D; Ravizza T; Richichi C; Aliprandi M; Mulé F; Pirona L; Gobbi M; Schwarzer C; Sperk G

Seizure susceptibility and epileptogenesis are decreased in transgenic rats overexpressing neuropeptide Y.

Neuroscience 2002;110(2):237-43.

- **2001:** Ravizza T; Moneta D; Bottazzi B; Peri G; Garlanda C; Hirsch E; Richards G J; Mantovani A; Vezzani A

Dynamic induction of the long pentraxin PTX3 in the CNS after limbic seizures: evidence for a protective role in seizure-induced neurodegeneration.

Neuroscience 2001;105(1):43-53.

- **2000:** Vezzani A; Moneta D; Conti M; Richichi C; Ravizza T; De Luigi A; De Simoni M G; Sperk G; Andell-Jonsson S; Lundkvist J; Iverfeldt K; Bartfai T

Powerful anticonvulsant action of IL-1 receptor antagonist on intracerebral injection and astrocytic overexpression in mice.

Proceedings of the National Academy of Sciences of the United States of America 2000;97(21):11534-9.

- **2000:** De Simoni M G; Perego C; Ravizza T; Moneta D; Conti M; Marchesi F; De Luigi A; Garattini S; Vezzani A

Inflammatory cytokines and related genes are induced in the rat hippocampus by limbic status epilepticus.

The European journal of neuroscience 2000;12(7):2623-33.

- **2000:** Vezzani A; Rizzi M; Conti M; Samanin R

Modulatory role of neuropeptides in seizures induced in rats by stimulation of glutamate receptors.

The Journal of nutrition 2000;130(4S Suppl):1046S-8S.

- **2000:** Vezzani A; Moneta D; Mulé F; Ravizza T; Gobbi M; French-Mullen J

Plastic changes in neuropeptide Y receptor subtypes in experimental models of limbic seizures.

Epilepsia 2000;41 Suppl 6():S115-21.

- **1999:** Vezzani A; Conti M; De Luigi A; Ravizza T; Moneta D; Marchesi F; De Simoni M G

Interleukin-1beta immunoreactivity and microglia are enhanced in the rat hippocampus by focal kainate application: functional evidence for enhancement of electrographic seizures.

The Journal of neuroscience : the official journal of the Society for Neuroscience 1999;19(12):5054-65.

- **1999:** Mennini T; Cagnotto A; Carvelli L; Comoletti D; Manzoni C; Muzio V; Rizzi M; Vezzani A

Biochemical and pharmacological evidence of a functional role of AMPA receptors in motor neuron dysfunction in mnd mice.

The European journal of neuroscience 1999;11(5):1705-10.

- **1999:** Vezzani A; Sperk G; Colmers W F

Neuropeptide Y: emerging evidence for a functional role in seizure modulation.

Trends in neurosciences 1999;22(1):25-30.

- **1999:** Vezzani A; Ravizza T; Moneta D; Conti M; Borroni A; Rizzi M; Samanin R; Maj R

Brain-derived neurotrophic factor immunoreactivity in the limbic system of rats after acute seizures and during

spontaneous convulsions: temporal evolution of changes as compared to neuropeptide Y.

Neuroscience 1999;90(4):1445-61.

- **1998:** Gobbi M; Gariboldi M; Piwko C; Hoyer D; Sperk G; Vezzani A
Distinct changes in peptide YY binding to, and mRNA levels of, Y1 and Y2 receptors in the rat hippocampus associated with kindling epileptogenesis.
Journal of neurochemistry 1998;70(4):1615-22.
- **1998:** Gariboldi M; Conti M; Cavaleri D; Samanin R; Vezzani A
Anticonvulsant properties of BIBP3226, a non-peptide selective antagonist at neuropeptide Y Y1 receptors.
The European journal of neuroscience 1998;10(2):757-9.
- **1998:** Cagnotto A; Crespi D; Mancini L; Manzoni C; Presti M L; Gariboldi M; Vezzani A; Mennini T
Lasting increase in serotonin 5-HT1A but not 5-HT4 receptor subtypes in the kindled rat dentate gyrus: dissociation from local presynaptic effects.
Journal of neurochemistry 1998;70(2):850-7.
- **1997:** Forloni G; Lucca E; Angeretti N; Chiesa R; Vezzani A
Neuroprotective effect of somatostatin on nonapoptotic NMDA-induced neuronal death: role of cyclic GMP.
Journal of neurochemistry 1997;68(1):319-27.
- **1996:** Vezzani A; Schwarzer C; Lothman E W; Williamson J; Sperk G
Functional changes in somatostatin and neuropeptide Y containing neurons in the rat hippocampus in chronic models of limbic seizures.
Epilepsy research 1996;26(1):267-79.
- **1996:** Piwko C; Thoss V S; Samanin R; Hoyer D; Vezzani A
Status of somatostatin receptor messenger RNAs and binding sites in rat brain during kindling epileptogenesis.
Neuroscience 1996;75(3):857-68.
- **1996:** Zinetti M; Benigni F; Sacco S; Minto M; Galli G; Salmona S; Andreoni G; Vezzani A; Ghezzi P; Fratelli M
Regional production of nitric oxide after a peripheral or central low dose of LPS in mice.
Neuroimmunomodulation 1996;3(6):364-70.
- **1996:** Vezzani A; Monhemius R; Tutka P; Milani R; Samanin R
Functional activation of somatostatin- and neuropeptide Y-containing neurons in the entorhinal cortex of chronically epileptic rats.
Neuroscience 1996;75(2):551-7.
- **1996:** Gariboldi M; Tutka P; Samanin R; Vezzani A
Stimulation of 5-HT1A receptors in the dorsal hippocampus and inhibition of limbic seizures induced by kainic acid in rats.
British journal of pharmacology 1996;119(5):813-8.
- **1996:** Schwarzer C; Sperk G; Samanin R; Rizzi M; Gariboldi M; Vezzani A
Neuropeptides-immunoreactivity and their mRNA expression in kindling: functional implications for limbic epileptogenesis.
Brain research. Brain research reviews 1996;22(1):27-50.
- **1996:** Gobbi M; Monhemius R; Samanin R; Mennini T; Vezzani A
Cellular localization of neuropeptide-Y receptors in the rat hippocampus: long-term effects of limbic seizures.
Neuroreport 1996;7(9):1475-80.
- **1996:** Röder C; Schwarzer C; Vezzani A; Gobbi M; Mennini T; Sperk G
Autoradiographic analysis of neuropeptide Y receptor binding sites in the rat hippocampus after kainic acid-induced limbic seizures.
Neuroscience 1996;70(1):47-55.
- **1996:** Vezzani A; Bendotti C; Rizzi M; Monno A; Tarizzo G; Samanin R
Functional activation of somatostatin and neuropeptide Y containing neurons in experimental models of limbic

seizures.

Epilepsy research. Supplement 1996;12():187-95.

- **1995:** Vezzani A; Speciale C; Della Vedova F; Tamburin M; Benatti L
Alternative splicing at the C-terminal but not at the N-terminal domain of the NMDA receptor NR1 is altered in the kindled hippocampus.
The European journal of neuroscience 1995;7(12):2513-7.
- **1995:** Schwarzer C; Williamson J M; Lothman E W; Vezzani A; Sperk G
Somatostatin, neuropeptide Y, neurokinin B and cholecystokinin immunoreactivity in two chronic models of temporal lobe epilepsy.
Neuroscience 1995;69(3):831-45.
- **1995:** Wu H Q; Monno A; Schwarcz R; Vezzani A
Electrical kindling is associated with a lasting increase in the extracellular levels of kynurenic acid in the rat hippocampus.
Neuroscience letters 1995;198(2):91-4.
- **1995:** Monno A; Vezzani A; Bastone A; Salmons M; Garattini S
Extracellular glutamate levels in the hypothalamus and hippocampus of rats after acute or chronic oral intake of monosodium glutamate.
Neuroscience letters 1995;193(1):45-8.
- **1995:** Baldi G; Russi G; Nannini L; Vezzani A; Consolo S
Trans-synaptic modulation of striatal ACh release in vivo by the parafascicular thalamic nucleus.
The European journal of neuroscience 1995;7(5):1117-20.
- **1995:** Pérez J; Vezzani A; Civenni G; Tutka P; Rizzi M; Schüpbach E; Hoyer D
Functional effects of D-Phe-c[Cys-Tyr-D-Trp-Lys-Val-Cys]-Trp-NH₂ and differential changes in somatostatin receptor messenger RNAs, binding sites and somatostatin release in kainic acid-treated rats.
Neuroscience 1995;65(4):1087-97.
- **1994:** Mennini T; Miari A; Presti M L; Rizzi M; Samanin R; Vezzani A
Adaptive changes in the NMDA receptor complex in rat hippocampus after chronic treatment with CGP 39551.
European journal of pharmacology 1994;271(1):93-101.
- **1994:** Vezzani A; Civenni G; Rizzi M; Monno A; Messali S; Samanin R
Enhanced neuropeptide Y release in the hippocampus is associated with chronic seizure susceptibility in kainic acid treated rats.
Brain research 1994;660(1):138-43.
- **1994:** Consolo S; Baldi G; Russi G; Civenni G; Bartfai T; Vezzani A
Impulse flow dependency of galanin release in vivo in the rat ventral hippocampus.
Proceedings of the National Academy of Sciences of the United States of America 1994;91(17):8047-51.
- **1994:** Vezzani A; Sparvoli S; Rizzi M; Zinetti M; Fratelli M
Changes in the ADP-ribosylation status of some hippocampal proteins are linked to kindling progression.
Neuroreport 1994;5(10):1217-20.
- **1993:** Rizzi M; Monno A; Samanin R; Sperk G; Vezzani A
Electrical kindling of the hippocampus is associated with functional activation of neuropeptide Y-containing neurons.
The European journal of neuroscience 1993;5(11):1534-8.
- **1993:** Bendotti C; Vezzani A; Tarizzo G; Samanin R
Increased expression of GAP-43, somatostatin and neuropeptide Y mRNA in the hippocampus during development of hippocampal kindling in rats.
The European journal of neuroscience 1993;5(10):1312-20.
- **1993:** Vezzani A; Ruiz R; Monno A; Rizzi M; Lindefors N; Samanin R; Brodin E
Extracellular somatostatin measured by microdialysis in the hippocampus of freely moving rats: evidence for neuronal

release.

Journal of neurochemistry 1993;60(2):671-7.

- **1993:** Monno A; Rizzi M; Samanin R; Vezzani A
Anti-somatostatin antibody enhances the rate of hippocampal kindling in rats.
Brain research 1993;602(1):148-52.
- **1992:** Vezzani A; Monno A; Rizzi M; Galli A; Barrios M; Samanin R
Somatostatin release is enhanced in the hippocampus of partially and fully kindled rats.
Neuroscience 1992;51(1):41-6.
- **1992:** Forloni G L; Angeretti N; Rizzi M; Vezzani A
Chronic infusion of quinolinic acid in rat striatum: effects on discrete neuronal populations.
Journal of the neurological sciences 1992;108(2):129-36.
- **1992:** Vezzani A; Bendotti C; Ruiz R; Rizzi M; Monno A; Barrios M; Samanin R
Biochemical and functional studies on noradrenergic and peptidergic neurotransmission in hippocampal kindling.
Epilepsy research. Supplement 1992;9():285-94; discussion 294-5.
- **1991:** Bendotti C; Vezzani A; Serafini R; Servadio A; Rivolta R; Samanin R
Increased preproenkephalin Y mRNA in the rat hippocampus during the development of hippocampal kindling: comparison with the expression of preprosomatostatin mRNA.
Neuroscience letters 1991;132(2):175-8.
- **1991:** Vezzani A; Serafini R; Stasi M A; Samanin R; Ferrarese C
Epileptogenic activity of two peptides derived from diazepam binding inhibitor after intrahippocampal injection in rats.
Epilepsia 1991;32(5):597-603.
- **1991:** Vezzani A; Rizzi M; Serafini R; Viganò G; Samanin R
Changes in pre- and postsynaptic components of noradrenergic transmission in hippocampal kindling in rats.
Brain research 1991;557(1-2):210-6.
- **1991:** Vezzani A; Serafini R; Stasi M A; Viganò G; Rizzi M; Samanin R
A peptidase-resistant cyclic octapeptide analogue of somatostatin (SMS 201-995) modulates seizures induced by quinolinic and kainic acids differently in the rat hippocampus.
Neuropharmacology 1991;30(4):345-52.
- **1991:** Vezzani A; Gramsbergen J B; Speciale C; Schwarcz R
Production of quinolinic acid and kynurenic acid by human glioma.
Advances in experimental medicine and biology 1991;294():691-5.
- **1991:** Manfredi A; Forloni G L; Vezzani A; Fodritto F; De Simoni M G
Functional and histological consequences of quinolinic and kainic acid-induced seizures on hippocampal somatostatin neurons.
Neuroscience 1991;41(1):127-35.
- **1990:** Vezzani A; Gramsbergen J B; Versari P; Stasi M A; Procaccio F; Schwarcz R
Kynurenic acid synthesis by human glioma.
Journal of the neurological sciences 1990;99(1):51-7.
- **1990:** Vezzani A; Serafini R; Samanin R; Foster A C
Autoradiographical analysis of excitatory amino acid binding sites in rat hippocampus during the development of hippocampal kindling.
Brain research 1990;526(1):113-21.
- **1989:** Vezzani A; Stasi M A; Wu H Q; Castiglioni M; Weckermann B; Samanin R
Studies on the potential neurotoxic and convulsant effects of increased blood levels of quinolinic acid in rats with altered blood-brain barrier permeability.
Experimental neurology 1989;106(1):90-8.

- **1989:** Vezzani A; Serafini R; Stasi M A; Caccia S; Conti I; Tridico R V; Samanin R
Kinetics of MK-801 and its effect on quinolinic acid-induced seizures and neurotoxicity in rats.
The Journal of pharmacology and experimental therapeutics 1989;249(1):278-83.
- **1988:** Guiso G; Caccia S; Vezzani A; Stasi M A; Salmona M; Romano M; Garattini S
Effect of aspartame on seizures in various models of experimental epilepsy.
Toxicology and applied pharmacology 1988;96(3):485-93.
- **1988:** Vezzani A; Wu H Q; Angelico P; Stasi M A; Samanin R
Quinolinic acid-induced seizures, but not nerve cell death, are associated with extracellular Ca²⁺ decrease assessed in the hippocampus by brain dialysis.
Brain research 1988;454(1-2):289-97.
- **1988:** Vezzani A; Wu H Q; Stasi M A; Angelico P; Samanin R
Effect of various calcium channel blockers on three different models of limbic seizures in rats.
Neuropharmacology 1988;27(5):451-8.
- **1988:** Vezzani A; Wu H Q; Moneta E; Samanin R
Role of the N-methyl-D-aspartate-type receptors in the development and maintenance of hippocampal kindling in rats.
Neuroscience letters 1988;87(1-2):63-8.
- **1987:** Vezzani A; Wu H Q; Samanin R
[³H]norepinephrine release from hippocampal slices is an in vitro biochemical tool for investigating the pharmacological properties of excitatory amino acid receptors.
Journal of neurochemistry 1987;49(5):1438-42.
- **1987:** Vezzani A; Sangalli L; Wu H Q; Schwarcz R
ATP as a marker of excitotoxin-induced nerve cell death in vivo.
Journal of neural transmission 1987;70(3-4):349-56.