

Patrizia Romualdi

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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.

126 papers	2,451 citations	25 h-index	43 g-index
131 ext. papers	2,748 ext. citations	4.5 avg, IF	4.6 L-index

#	Paper	IF	Citations
126	Chronic delta 9-tetrahydrocannabinol during adolescence provokes sex-dependent changes in the emotional profile in adult rats: behavioral and biochemical correlates. <i>Neuropsychopharmacology</i> , 2008 , 33, 2760-71	8.7	254
125	Selective DNA methylation of BDNF promoter in bipolar disorder: differences among patients with BDI and BDII. <i>Neuropsychopharmacology</i> , 2012 , 37, 1647-55	8.7	145
124	Blockade of nociceptin/orphanin FQ transmission attenuates symptoms and neurodegeneration associated with Parkinson's disease. <i>Journal of Neuroscience</i> , 2005 , 25, 9591-601	6.6	105
123	Substance P is diminished and vasoactive intestinal peptide is augmented in psoriatic lesions and these peptides exert disparate effects on the proliferation of cultured human keratinocytes. <i>Journal of Investigative Dermatology</i> , 1992 , 98, 421-7	4.3	101
122	The challenge of perioperative pain management in opioid-tolerant patients. <i>Therapeutics and Clinical Risk Management</i> , 2017 , 13, 1163-1173	2.9	81
121	The effects of nonsteroidal anti-inflammatory drugs on clinical outcomes, synovial fluid cytokine concentration and signal transduction pathways in knee osteoarthritis. A randomized open label trial. <i>Osteoarthritis and Cartilage</i> , 2013 , 21, 1400-8	6.2	78
120	Dynorphin and epilepsy. <i>Progress in Neurobiology</i> , 1996 , 50, 557-83	10.9	74
119	Ethanol induces epigenetic modulation of prodynorphin and pronociceptin gene expression in the rat amygdala complex. <i>Journal of Molecular Neuroscience</i> , 2013 , 49, 312-9	3.3	66
118	Different alcohol exposures induce selective alterations on the expression of dynorphin and nociceptin systems related genes in rat brain. <i>Addiction Biology</i> , 2013 , 18, 425-33	4.6	58
117	Chronic opiate agonists down-regulate prodynorphin gene expression in rat brain. <i>Brain Research</i> , 1991 , 563, 132-6	3.7	54
116	Distinguishable effects of intrathecal dynorphins, somatostatin, neurotensin and s-calcitonin on nociception and motor function in the rat. <i>Pain</i> , 1988 , 35, 95-104	8	45
115	Modification of anxiety-like behaviors by nociceptin/orphanin FQ (N/OFQ) and time-dependent changes in N/OFQ-NOP gene expression following ethanol withdrawal. <i>Addiction Biology</i> , 2013 , 18, 467-79	4.6	35
114	Involvement of the neuropeptide nociceptin/orphanin FQ in kainate seizures. <i>Journal of Neuroscience</i> , 2002 , 22, 10030-8	6.6	35
113	Brain interstitial nociceptin/orphanin FQ levels are elevated in Parkinson's disease. <i>Movement Disorders</i> , 2010 , 25, 1723-32	7	34
112	Ethanol and acetaldehyde exposure induces specific epigenetic modifications in the prodynorphin gene promoter in a human neuroblastoma cell line. <i>FASEB Journal</i> , 2011 , 25, 1069-75	0.9	33
111	Studies on the antinociceptive effect of intrathecal salmon calcitonin. <i>Peptides</i> , 1985 , 6 Suppl 3, 273-6	3.8	32
110	Antinociceptive activity of salmon calcitonin injected intrathecally in the rat. <i>Neuroscience Letters</i> , 1984 , 45, 135-9	3.3	30

109	Pin1 contribution to Alzheimer's disease: transcriptional and epigenetic mechanisms in patients with late-onset Alzheimer's disease. <i>Neurodegenerative Diseases</i> , 2012 , 10, 207-11	2.3	28
108	Chronic intracerebroventricular cocaine differentially affects prodynorphin gene expression in rat hypothalamus and caudate-putamen. <i>Molecular Brain Research</i> , 1996 , 40, 153-6		28
107	Substance P levels are decreased in lesional skin of atopic dermatitis. <i>Experimental Dermatology</i> , 1992 , 1, 127-8	4	28
106	What to Do, and What Not to Do, When Diagnosing and Treating Breakthrough Cancer Pain (BTcP): Expert Opinion. <i>Drugs</i> , 2016 , 76, 315-30	12.1	27
105	Kainate seizures increase nociceptin/orphanin FQ release in the rat hippocampus and thalamus: a microdialysis study. <i>Journal of Neurochemistry</i> , 2004 , 91, 30-7	6	27
104	Treatment with the neurotoxic Aβ(25-35) peptide modulates the expression of neuroprotective factors Pin1, Sirtuin 1, and brain-derived neurotrophic factor in SH-SY5Y human neuroblastoma cells. <i>Experimental and Toxicologic Pathology</i> , 2016 , 68, 271-6		27
103	Mystic Acetaldehyde: The Never-Ending Story on Alcoholism. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 81	3.5	26
102	Skin levels of vasoactive intestinal polypeptide in atopic dermatitis. <i>Archives of Dermatological Research</i> , 1991 , 283, 230-2	3.3	26
101	The effect of paracetamol on nociception and dynorphin A levels in the rat brain. <i>Neuropeptides</i> , 2001 , 35, 110-6	3.3	25
100	From acute to chronic pain: tapentadol in the progressive stages of this disease entity. <i>European Review for Medical and Pharmacological Sciences</i> , 2017 , 21, 1672-1683	2.9	25
99	Peripheral leukocyte expression of the potential biomarker proteins Bdnf, Sirt1, and Psen1 is not regulated by promoter methylation in Alzheimer's disease patients. <i>Neuroscience Letters</i> , 2015 , 605, 44-8	3.3	24
98	Dynorphin/KOP and nociceptin/NOP gene expression and epigenetic changes by cocaine in rat striatum and nucleus accumbens. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 49, 36-46	5.5	24
97	Nociceptin levels in the cerebrospinal fluid of chronic pain patients with or without intrathecal administration of morphine. <i>Journal of Pain and Symptom Management</i> , 2006 , 32, 372-7	4.8	24
96	Tapentadol for neuropathic pain: a review of clinical studies. <i>Journal of Pain Research</i> , 2019 , 12, 1537-1551	5.1	23
95	Human apolipoprotein E4 modulates the expression of Pin1, Sirtuin 1, and Presenilin 1 in brain regions of targeted replacement apoE mice. <i>Neuroscience</i> , 2014 , 256, 360-9	3.9	22
94	Alterations of N/OFQ and NOP receptor gene expression in the substantia nigra and caudate putamen of MPP+ and 6-OHDA lesioned rats. <i>Neuropharmacology</i> , 2009 , 56, 761-7	5.5	22
93	Early changes in prodynorphin mRNA and ir-dynorphin A levels after kindled seizures in the rat. <i>European Journal of Neuroscience</i> , 1995 , 7, 1850-6	3.5	22
92	Transcriptional and epigenetic phenomena in peripheral blood cells of monozygotic twins discordant for Alzheimer's disease, a case report. <i>Journal of the Neurological Sciences</i> , 2017 , 372, 211-216	3.2	20

91	Long-term exposure to opioid antagonists up-regulates prodynorphin gene expression in rat brain. <i>Brain Research</i> , 1995 , 672, 42-7	3.7	20
90	Protection by opioids against gastric lesions caused by necrotizing agents. <i>Pharmacology</i> , 1988 , 36, 140-4.	4.3	20
89	Supraspinal and spinal effects of [Phe1psi(CH2-NH)Gly2]-nociceptin(1-13)-NH2 on nociception in the rat. <i>Life Sciences</i> , 2000 , 66, 257-64	6.8	19
88	Combined exposure to agriculture pesticides, paraquat and maneb, induces alterations in the N/OFQ-NOPr and PDYN/KOPr systems in rats: Relevance to sporadic Parkinson's disease. <i>Environmental Toxicology</i> , 2015 , 30, 656-63	4.2	18
87	Proteasome subunit and opioid receptor gene expression down-regulation induced by paraquat and maneb in human neuroblastoma SH-SY5Y cells. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 40, 895-900	5.8	18
86	Activation of PPAR α Attenuates the Expression of Physical and Affective Nicotine Withdrawal Symptoms through Mechanisms Involving Amygdala and Hippocampus Neurotransmission. <i>Journal of Neuroscience</i> , 2019 , 39, 9864-9875	6.6	17
85	Acute and chronic cannabinoid extracts administration affects motor function in a CREAE model of multiple sclerosis. <i>Journal of Ethnopharmacology</i> , 2011 , 133, 1033-8	5	17
84	Chronic and acute effects of 3,4-methylenedioxy-N-methylamphetamine (ecstasy) administration on the dynorphinergic system in the rat brain. <i>Neuroscience</i> , 2006 , 137, 187-96	3.9	16
83	Chronic GBR 12909 administration differentially alters prodynorphin gene expression compared to cocaine. <i>European Journal of Pharmacology</i> , 2001 , 413, 207-12	5.3	16
82	Alterations in vasoactive intestinal polypeptide-related peptides after pentylentetrazole-induced seizures in rat brain. <i>European Journal of Pharmacology</i> , 1992 , 229, 149-53	5.3	16
81	Possible mediation of catecholaminergic pathways in the antinociceptive effect of an extract of Cannabis sativa L. <i>Psychopharmacology</i> , 1986 , 89, 244-7	4.7	16
80	Regional distribution of immunoreactive dynorphin A in the human gastrointestinal tract. <i>Neuropeptides</i> , 1988 , 11, 101-5	3.3	16
79	Dynorphinergic system alterations in the corticostriatal circuitry of neuropathic mice support its role in the negative affective component of pain. <i>Genes, Brain and Behavior</i> , 2019 , 18, e12467	3.6	16
78	Involvement of the neuropeptide orphanin FQ/nociceptin in kainate and kindling seizures and epileptogenesis. <i>Epilepsia</i> , 2002 , 43 Suppl 5, 18-9	6.4	15
77	Limbic seizures increase pronociceptin mRNA levels in the thalamic reticular nucleus. <i>NeuroReport</i> , 1999 , 10, 541-6	1.7	15
76	Kindled seizure-induced c-fos and prodynorphin mRNA expressions are unrelated in the rat brain. <i>European Journal of Neuroscience</i> , 1996 , 8, 2064-7	3.5	15
75	NOP receptor antagonism reduces alcohol drinking in male and female rats through mechanisms involving the central amygdala and ventral tegmental area. <i>British Journal of Pharmacology</i> , 2020 , 177, 1525-1537	8.6	15
74	Pharmacological rationale for tapentadol therapy: a review of new evidence. <i>Journal of Pain Research</i> , 2019 , 12, 1513-1520	2.9	14

73	Effects of the selective neurotensin antagonist SR 142948A on 3,4-methylenedioxymethamphetamine-induced behaviours in mice. <i>Neuropharmacology</i> , 2008 , 54, 1107-1117	5.5	14
72	Alterations in prodynorphin gene expression and dynorphin levels in different brain regions after chronic administration of 14-methoxymetopon and oxycodone-6-oxime. <i>Brain Research Bulletin</i> , 2006 , 70, 233-9	3.9	14
71	Effects of prolonged treatment with the opiate tramadol on prodynorphin gene expression in rat CNS. <i>Journal of Molecular Neuroscience</i> , 2006 , 30, 341-7	3.3	14
70	Role of serotonin on cocaine-mediated effects on prodynorphin gene expression in the rat brain. <i>Journal of Molecular Neuroscience</i> , 2004 , 22, 213-22	3.3	14
69	The effect of a paracetamol and morphine combination on dynorphin A levels in the rat brain. <i>Biochemical Pharmacology</i> , 2001 , 61, 1409-16	6	14
68	Assessment and treatment of breakthrough cancer pain: from theory to clinical practice. <i>Journal of Pain Research</i> , 2017 , 10, 2147-2155	2.9	13
67	Opioid gene expression changes and post-translational histone modifications at promoter regions in the rat nucleus accumbens after acute and repeated 3,4-methylenedioxy-methamphetamine (MDMA) exposure. <i>Pharmacological Research</i> , 2016 , 114, 209-218	10.2	13
66	Regulation of dynorphin gene expression by kappa-opioid agonist treatment. <i>NeuroReport</i> , 2002 , 13, 107-9	1.7	13
65	Morphine and fentanyl differently affect MOP and NOP gene expression in human neuroblastoma SH-SY5Y cells. <i>Journal of Molecular Neuroscience</i> , 2013 , 51, 532-8	3.3	12
64	Role of serotonin in the regulation of the dynorphinergic system by a kappa-opioid agonist and cocaine treatment in rat CNS. <i>Neuroscience</i> , 2007 , 144, 157-64	3.9	12
63	Nociceptin/orphanin FQ prevents the antinociceptive action of paracetamol on the rat hot plate test. <i>European Journal of Pharmacology</i> , 2005 , 507, 43-8	5.3	12
62	Modulation of proorphaninFQ/N gene expression by morphine in the rat mesocorticolimbic system. <i>NeuroReport</i> , 2002 , 13, 645-8	1.7	12
61	N/OFQ system in brain areas of nerve-injured mice: its role in different aspects of neuropathic pain. <i>Genes, Brain and Behavior</i> , 2017 , 16, 537-545	3.6	11
60	A new potent analgesic agent with reduced liability to produce morphine tolerance. <i>Brain Research Bulletin</i> , 2015 , 117, 32-8	3.9	11
59	The standardized <i>Withania somnifera</i> Dunal root extract alters basal and morphine-induced opioid receptor gene expression changes in neuroblastoma cells. <i>BMC Complementary and Alternative Medicine</i> , 2018 , 18, 9	4.7	11
58	Binding profile of benextramine at neuropeptide Y receptor subtypes in rat brain areas. <i>European Journal of Pharmacology</i> , 1994 , 265, 93-8	5.3	11
57	Increased expression of CRF and CRF-receptors in dorsal striatum, hippocampus, and prefrontal cortex after the development of nicotine sensitization in rats. <i>Drug and Alcohol Dependence</i> , 2018 , 189, 12-20	4.9	11
56	Chronic cocaine produces decreases in N/OFQ peptide levels in select rat brain regions. <i>Journal of Molecular Neuroscience</i> , 2007 , 31, 159-64	3.3	11

55	Interplay between the Endogenous Opioid System and Proteasome Complex: Beyond Signaling. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
54	Effects of acute ethanol exposure on class I HDACs family enzymes in wild-type and BDNF(+/-) mice. <i>Drug and Alcohol Dependence</i> , 2015 , 155, 68-75	4.9	10
53	Cocaine and ethanol target 26S proteasome activity and gene expression in neuroblastoma cells. <i>Drug and Alcohol Dependence</i> , 2016 , 161, 265-75	4.9	10
52	Regulation of opioid gene expression in the rat brainstem by 3,4-methylenedioxymethamphetamine (MDMA): role of serotonin and involvement of CREB and ERK cascade. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011 , 383, 169-78	3.4	10
51	Effects of the selective norepinephrine uptake inhibitor nisoxetine on prodynorphin gene expression in rat CNS. <i>Molecular Brain Research</i> , 2004 , 127, 115-20		10
50	Opioid receptor gene expression in human neuroblastoma SH-SY5Y cells following tapentadol exposure. <i>Journal of Molecular Neuroscience</i> , 2014 , 53, 669-76	3.3	9
49	Region-specific changes in prodynorphin mRNA and ir-dynorphin A levels after kindled seizures. <i>Journal of Molecular Neuroscience</i> , 1999 , 13, 69-75	3.3	9
48	Methamphetamine alters prodynorphin gene expression and dynorphin A levels in rat hypothalamus. <i>European Journal of Pharmacology</i> , 1999 , 365, 183-6	5.3	9
47	Novel insights on the management of pain: highlights from the Science of Relief Meeting. <i>Pain Management</i> , 2019 , 9, 521-533	2.3	7
46	Nociceptive responses in melatonin MT receptor knockout mice compared to MT and double MT /MT receptor knockout mice. <i>Journal of Pineal Research</i> , 2020 , 69, e12671	10.4	7
45	The kappa-opioid receptor agonist U-69593 prevents cocaine-induced phosphorylation of DARPP-32 at Thr(34) in the rat brain. <i>Brain Research Bulletin</i> , 2007 , 73, 34-9	3.9	7
44	Effects of hypothalamic lesions on the content of dynorphin immunoreactivity in pituitary. <i>Life Sciences</i> , 1983 , 33 Suppl 1, 503-6	6.8	7
43	Repeated nicotine exposure modulates prodynorphin and pronociceptin levels in the reward pathway. <i>Drug and Alcohol Dependence</i> , 2016 , 166, 150-8	4.9	7
42	Modulation of the Negative Affective Dimension of Pain: Focus on Selected Neuropeptidergic System Contributions. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
41	(R)-Tetrahydrocannabinol decreases NOP receptor density and mRNA levels in human SH-SY5Y cells. <i>Journal of Molecular Neuroscience</i> , 2012 , 46, 285-92	3.3	6
40	Alterations of CREB and DARPP-32 phosphorylation following cocaine and monoaminergic uptake inhibitors. <i>Brain Research</i> , 2007 , 1128, 33-9	3.7	6
39	Kainic acid down-regulates NOP receptor density and gene expression in human neuroblastoma SH-SY5Y cells. <i>Journal of Molecular Neuroscience</i> , 2008 , 35, 171-7	3.3	6
38	Differential time course of effects of kappa-opioid agonist treatment on dynorphin A levels and kappa-opioid receptor density. <i>Journal of Molecular Neuroscience</i> , 2004 , 24, 307-14	3.3	6

37	Vasoactive intestinal polypeptide carboxy-terminal fragment, VIP(22-28), and other fragments of VIP, in the central nervous system of the rat. <i>Peptides</i> , 1989 , 10, 621-6	3.8	6
36	Possible involvement of dynorphinergic system in nociceptive transmission at spinal level. <i>Neuropeptides</i> , 1985 , 5, 425-8	3.3	6
35	Short-term withdrawal from repeated exposure to cocaine during adolescence modulates dynorphin mRNA levels and BDNF signaling in the rat nucleus accumbens. <i>Drug and Alcohol Dependence</i> , 2019 , 197, 127-133	4.9	5
34	Evidence of a PPAR γ -mediated mechanism in the ability of <i>Withania somnifera</i> to attenuate tolerance to the antinociceptive effects of morphine. <i>Pharmacological Research</i> , 2019 , 139, 422-430	10.2	5
33	Modulation of sensitization processes in the management of pain and the importance of descending pathways: a role for tapentadol?. <i>Current Medical Research and Opinion</i> , 2020 , 36, 1015-1024 ^{2.5}		4
32	An opiate chronic treatment affects prodynorphin gene expression. <i>Pharmacological Research</i> , 1989 , 21, 477-478	10.2	4
31	Distribution and characterization of VIP-related peptides in the rat spinal cord. <i>Neuropeptides</i> , 1990 , 16, 219-25	3.3	4
30	Morphine affects prodynorphin gene expression in some areas of rat brain. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 1990 , 26, 43-6	1.6	4
29	Tapentadol: an analgesic that differs from classic opioids due to its noradrenergic mechanism of action. <i>Minerva Medica</i> , 2019 , 110, 62-78	2.2	4
28	On the Role of Peripheral Sensory and Gut Mu Opioid Receptors: Peripheral Analgesia and Tolerance. <i>Molecules</i> , 2020 , 25,	4.8	3
27	Reply-Letter to the Editor: What to Do, and What Not to Do, When Diagnosing and Treating Breakthrough Cancer Pain (BTcP): Expert Opinion. <i>Drugs</i> , 2016 , 76, 1063-5	12.1	3
26	The Therapeutic Potential of Novel Kappa Opioid Receptor-based Treatments. <i>Current Medicinal Chemistry</i> , 2020 , 27, 2012-2020	4.3	3
25	The active second-generation proteasome inhibitor oprozomib reverts the oxaliplatin-induced neuropathy symptoms. <i>Biochemical Pharmacology</i> , 2020 , 182, 114255	6	3
24	Regulation of the Genes Encoding the ppN/OFQ and NOP Receptor. <i>Handbook of Experimental Pharmacology</i> , 2019 , 254, 141-162	3.2	3
23	Selection of nutraceutical compounds as COX inhibitors by molecular topology. <i>Medicinal Chemistry Research</i> , 2013 , 22, 3466-3477	2.2	2
22	Opioid antagonists up-regulate prodynorphin gene expression in rat brain. <i>Regulatory Peptides</i> , 1994 , 53, S145-S146		2
21	Prescribing opioids to patients with chronic pain: translation of the Opioid Risk Tool into Italian. <i>Minerva Anestesiologica</i> , 2020 , 86, 693-695	1.9	2
20	Alghedon Fentanyl Transdermal System. <i>Minerva Medica</i> , 2017 , 108, 169-175	2.2	2

19	Safe Use of Opioids in Chronic Kidney Disease and Hemodialysis Patients: Tips and Tricks for Non-Pain Specialists. <i>Therapeutics and Clinical Risk Management</i> , 2020 , 16, 821-837	2.9	2
18	Dysregulation of Nociceptin/Orphanin FQ and Dynorphin Systems in the Extended Amygdala of Alcohol Preferring Marchigian Sardinian (msP) Rats. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
17	The prevention of analgesic opioids abuse: expert opinion. <i>European Review for Medical and Pharmacological Sciences</i> , 2015 , 19, 4203-6	2.9	2
16	Epigenetic Approaches in Neuroblastoma Disease Pathogenesis 2017 ,		1
15	Regulation of opioid gene expression by μ and κ opiate agonists. <i>Pharmacological Research</i> , 1992 , 25, 264-265	10.2	1
14	Interplay between VIP and serotonergic system in rat CNS. <i>Pharmacological Research Communications</i> , 1988 , 20, 329		1
13	Evidence for the presence of VIP 22-8 heptapeptide in rat brain cortex. <i>Pharmacological Research Communications</i> , 1988 , 20, 35-36		1
12	Modulation of sensitization processes in the management of pain and the importance of descending pathways: a role for tapentadol?. <i>Current Medical Research and Opinion</i> , 2020 , 36, I-XVII	2.5	1
11	Activation of Antioxidant and Proteolytic Pathways in the Nigrostriatal Dopaminergic System After 3,4-Methylenedioxymethamphetamine Administration: Sex-Related Differences. <i>Frontiers in Pharmacology</i> , 2021 , 12, 713486	5.6	1
10	Fentanyl citrate sublingual formulation (Vellofent [®]) for quick BTcP hindering. <i>Minerva Medica</i> , 2016 , 107, 114-22	2.2	1
9	Early-life nicotine or cotinine exposure produces long-lasting sleep alterations and downregulation of hippocampal corticosteroid receptors in adult mice.. <i>Scientific Reports</i> , 2021 , 11, 23897	4.9	1
8	Some new 1,2,3,4-tetrahydroquinoline derivatives. <i>Il Farmaco</i> , 2000 , 55, 47-50		0
7	Targeting the JAK/STAT Pathway: A Combined Ligand- and Target-Based Approach. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 3091-3108	6.1	0
6	An Exploratory Pilot Study of Changes in Global DNA Methylation in Patients Undergoing Major Breast Surgery Under Opioid-Based General Anesthesia. <i>Frontiers in Pharmacology</i> , 2021 , 12, 733577	5.6	0
5	Nociceptive behavior and central neuropeptidergic dysregulations in male and female mice of a Fabry disease animal model. <i>Brain Research Bulletin</i> , 2021 , 175, 158-167	3.9	0
4	Brain-derived neurotrophic factor protects serotonergic neurons against 3,4-methylenedioxymethamphetamine ("Ecstasy") induced cytoskeletal damage.. <i>Journal of Neural Transmission</i> , 2022 , 1	4.3	0
3	Current and Future Therapeutic Options in Pain Management: Multi-mechanistic Opioids Involving Both MOR and NOP Receptor Activation. <i>CNS Drugs</i> ,	6.7	0
2	The opioid antagonist naloxone influences prodynorphin gene expression. <i>Pharmacological Research</i> , 1990 , 22 Suppl 1, 111-2	10.2	

- 1 Chronic exposure to opioid agonists and antagonists affects prodynorphin gene expression. *Acta Physiologica Hungarica*, **1990**, 75 Suppl, 247-8