Maria Rosaria Melis

List of Publications by Citations

70 papers	3,295 citations	33 h-index	56 g-index
72 ext. papers	3,532 ext. citations	4.4 avg, IF	5.07 L-index

#	Paper	IF	Citations
70	Apomorphine-induced penile erection and yawning: site of action in brain. *Brain Research*, **1987**, 415, 98-104	3.7	218
69	Central control of penile erection: role of the paraventricular nucleus of the hypothalamus. *Progress in Neurobiology*, **2005**, 76, 1-21	10.9	176
68	The neuropharmacology of yawning. *European Journal of Pharmacology*, **1998**, 343, 1-16	5.3	146
67	Oxytocin injected into the ventral tegmental area induces penile erection and increases extracellular dopamine in the nucleus accumbens and paraventricular nucleus of the hypothalamus of male rats. *European Journal of Neuroscience*, **2007**, 26, 1026-35	3.5	143
66	The role of oxytocin and the paraventricular nucleus in the sexual behaviour of male mammals. *Physiology and Behavior*, **2004**, 83, 309-17	3.5	126
65	Neuromodulation of penile erection: an overview of the role of neurotransmitters and neuropeptides. *Progress in Neurobiology*, **1995**, 47, 235-255	10.9	126
64	Dopamine agonists increase nitric oxide production in the paraventricular nucleus of the hypothalamus: correlation with penile erection and yawning. *European Journal of Neuroscience*, **1996**, 8, 2056-63	3.5	114
63	The oxytocin antagonist d(CH2)5Tyr(Me)-Orn8-vasotocin inhibits male copulatory behaviour in rats. *European Journal of Pharmacology*, **1988**, 149, 389-92	5.3	112
62	Oxytocin: an extremely potent inducer of penile erection and yawning in male rats. *European Journal of Pharmacology*, **1986**, 130, 265-72	5.3	100
61	Neuropeptides and central control of sexual behaviour from the past to the present: a review. *Progress in Neurobiology*, **2013**, 108, 80-107	10.9	99
60	Stimulation of dopamine receptors in the paraventricular nucleus of the hypothalamus of male rats induces penile erection and increases extra-cellular dopamine in the nucleus accumbens: Involvement of central oxytocin. *Neuropharmacology*, **2007**, 52, 1034-43	5.5	98
59	d(CH2)5Tyr(Me)-[Orn8]vasotocin, a potent oxytocin antagonist, antagonizes penile erection and yawning induced by oxytocin and apomorphine, but not by ACTH-(1-24). *European Journal of Pharmacology*, **1987**, 134, 221-4	5.3	96
58	Central control of penile erection: a re-visitation of the role of oxytocin and its interaction with dopamine and glutamic acid in male rats. *Neuroscience and Biobehavioral Reviews*, **2011**, 35, 939-55	9	90
57	Role of central nitric oxide in the control of penile erection and yawning. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **1997**, 21, 899-922	5.5	75
56	Extra-cellular dopamine increases in the paraventricular nucleus of male rats during sexual activity. *European Journal of Neuroscience*, **2003**, 17, 1266-72	3.5	71
55	The oxytocin antagonist d(CH2)5Tyr(Me)2-Orn8-vasotocin reduces non-contact penile erections in male rats. *Neuroscience Letters*, **1999**, 265, 171-4	3.3	70
54	Nitric oxide synthase inhibitors prevent apomorphine- and oxytocin-induced penile erection and yawning in male rats. *Brain Research Bulletin*, **1993**, 32, 71-4	3.9	70

53	Nitric oxide production is increased in the paraventricular nucleus of the hypothalamus of male rats during non-contact penile erections and copulation. *European Journal of Neuroscience*, **1998**, 10, 1968-74	3.5	67
52	Oxytocin increases nitric oxide production in the paraventricular nucleus of the hypothalamus of male rats: correlation with penile erection and yawning. *Regulatory Peptides*, **1997**, 69, 105-11		55
51	Oxytocin induces penile erection when injected into the ventral tegmental area of male rats: role of nitric oxide and cyclic GMP. *European Journal of Neuroscience*, **2008**, 28, 813-21	3.5	53
50	N-methyl-D-aspartic acid-induced penile erection and yawning: role of hypothalamic paraventricular nitric oxide. *European Journal of Pharmacology*, **1997**, 328, 115-23	5.3	52
49	Oxytocin injected into the ventral subiculum or the posteromedial cortical nucleus of the amygdala induces penile erection and increases extracellular dopamine levels in the nucleus accumbens of male rats. *European Journal of Neuroscience*, **2009**, 30, 1349-57	3.5	51
48	Differential orexigenic effects of hexarelin and its analogs in the rat hypothalamus: indication for multiple growth hormone secretagogue receptor subtypes. *Neuroendocrinology*, **2000**, 72, 327-32	5.6	49
47	Morphine injected into the paraventricular nucleus of the hypothalamus prevents noncontact penile erections and impairs copulation: involvement of nitric oxide. *European Journal of Neuroscience*, **1999**, 11, 1857-64	3.5	48
46	PD-168077, a selective dopamine D4 receptor agonist, induces penile erection when injected into the paraventricular nucleus of male rats. *Neuroscience Letters*, **2005**, 379, 59-62	3.3	44
45	Apomorphine-and oxytocin-induced penile erection and yawning in intact and castrated male rats: effect of sexual steroids. *Neuroendocrinology*, **1994**, 59, 349-54	5.6	44
44	Nitric oxide donors induce penile erection and yawning when injected in the central nervous system of male rats. *European Journal of Pharmacology*, **1995**, 294, 1-9	5.3	42
43	The cannabinoid CB1 receptor antagonist SR 141716A induces penile erection by increasing extra-cellular glutamic acid in the paraventricular nucleus of male rats. *Behavioural Brain Research*, **2006**, 169, 274-81	3.4	40
42	PIP3EA and PD-168077, two selective dopamine D4 receptor agonists, induce penile erection in male rats: site and mechanism of action in the brain. *European Journal of Neuroscience*, **2006**, 24, 2021-30	3.5	38
41	Antagonism of cannabinoid CB1 receptors in the paraventricular nucleus of male rats induces penile erection. *Neuroscience Letters*, **2004**, 359, 17-20	3.3	37
40	Oxytocin-induced yawning: sites of action in the brain and interaction with mesolimbic/mesocortical and incertohypothalamic dopaminergic neurons in male rats. *Hormones and Behavior*, **2012**, 62, 505-14	3.7	36
39	The cannabinoid receptor antagonist SR-141716A induces penile erection in male rats: involvement of paraventricular glutamic acid and nitric oxide. *Neuropharmacology*, **2006**, 50, 219-28	5.5	34
38	Prevention by morphine of N-methyl-D-aspartic acid-induced penile erection and yawning: involvement of nitric oxide. *Brain Research Bulletin*, **1997**, 44, 689-94	3.9	33
37	Pro-VGF-derived peptides induce penile erection in male rats: possible involvement of oxytocin. *European Journal of Neuroscience*, **2004**, 20, 3035-40	3.5	32
36	Extracellular excitatory amino acids increase in the paraventricular nucleus of male rats during sexual activity: main role of N-methyl-d-aspartic acid receptors in erectile function. *European Journal of Neuroscience*, **2004**, 19, 2569-75	3.5	32

35	Dopamine agonist-induced penile erection and yawning: differential role of D-like receptor subtypes and correlation with nitric oxide production in the paraventricular nucleus of the hypothalamus of male rats. *Behavioural Brain Research*, **2012**, 230, 355-64	3.4	31
34	Activation of gamma-aminobutyric acid(A) receptors in the paraventricular nucleus of the hypothalamus reduces apomorphine-, N-methyl-D-aspartic acid- and oxytocin-induced penile erection and yawning in male rats. *Neuroscience Letters*, **2000**, 281, 127-30	3.3	30
33	Penile erection and yawning induced by 5-HT1C receptor agonists in male rats: relationship with dopaminergic and oxytocinergic transmission. *European Journal of Pharmacology*, **1994**, 261, 149-55	5.3	30
32	Dopamine D2-like receptor agonists induce penile erection in male rats: differential role of D2, D3 and D4 receptors in the paraventricular nucleus of the hypothalamus. *Behavioural Brain Research*, **2011**, 225, 169-76	3.4	29
31	Prevention by morphine of apomorphine- and oxytocin-induced penile erection and yawning: involvement of nitric oxide. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **1997**, 355, 595-600	3.4	29
30	Effect of excitatory amino acid, dopamine, and oxytocin receptor antagonists on noncontact penile erections and paraventricular nitric oxide production in male rats.. *Behavioral Neuroscience*, **2000**, 114, 849-857	2.1	29
29	Oxytocin injected into the hippocampal ventral subiculum induces penile erection in male rats by increasing glutamatergic neurotransmission in the ventral tegmental area. *Neuropharmacology*, **2011**, 61, 181-8	5.5	28
28	Reduction of drug-induced yawning and penile erection and of noncontact erections in male rats by the activation of GABAA receptors in the paraventricular nucleus: involvement of nitric oxide. *European Journal of Neuroscience*, **2002**, 15, 852-60	3.5	28
27	Pro-VGF-derived peptides induce penile erection in male rats: Involvement of paraventricular nitric oxide. *Neuropharmacology*, **2005**, 49, 1017-25	5.5	27
26	Involvement of nigral oxytocin in locomotor activity: A behavioral, immunohistochemical and lesion study in male rats. *Hormones and Behavior*, **2016**, 83, 23-38	3.7	21
25	Dopamine is involved in the different patterns of copulatory behaviour of Roman high and low avoidance rats: studies with apomorphine and haloperidol. *Pharmacology Biochemistry and Behavior* , **2014**, 124, 211-9	3.9	20
24	Male Roman high and low avoidance rats show different patterns of copulatory behaviour: comparison with Sprague Dawley rats. *Physiology and Behavior*, **2014**, 127, 27-36	3.5	20
23	Phosphodiesterase type 5 inhibitors facilitate noncontact erections in male rats: site of action in the brain and mechanism of action. *Journal of Sexual Medicine*, **2009**, 6, 2680-9	1.1	20
22	Involvement of dopamine in the differences in sexual behaviour between Roman high and low avoidance rats: an intracerebral microdialysis study. *Behavioural Brain Research*, **2015**, 281, 177-86	3.4	19
21	Different effects of omega-conotoxin on penile erection, yawning and paraventricular nitric oxide in male rats. *European Journal of Pharmacology*, **1998**, 359, 19-26	5.3	19
20	EP 60761 and EP 50885, two hexarelin analogues, induce penile erection in rats. *European Journal of Pharmacology*, **2000**, 404, 137-43	5.3	18
19	Morphine reduces penile erection induced by the cannabinoid receptor antagonist SR 141617A in male rats: role of paraventricular glutamic acid and nitric oxide. *Neuroscience Letters*, **2006**, 404, 1-5	3.3	17
18	Role of dopamine D4 receptors in copulatory behavior: Studies with selective D4 agonists and antagonists in male rats. *Pharmacology Biochemistry and Behavior*, **2015**, 137, 110-8	3.9	16

17	Oxytocin induces penile erection when injected into the ventral subiculum: role of nitric oxide and glutamic acid. *Neuropharmacology*, **2010**, 58, 1153-60	5.5	15
16	Penile erection induced by EP 80661 and other hexarelin peptide analogues: involvement of paraventricular nitric oxide. *European Journal of Pharmacology*, **2001**, 411, 305-10	5.3	15
15	The activation of gamma aminobutyric acid(A) receptors in the paraventricular nucleus of the hypothalamus reduces non-contact penile erections in male rats. *Neuroscience Letters*, **2001**, 314, 123-6	3.3	15
14	Altered Sexual Behavior in Dopamine Transporter (DAT) Knockout Male Rats: A Behavioral, Neurochemical and Intracerebral Microdialysis Study. *Frontiers in Behavioral Neuroscience*, **2020**, 14, 58	3.5	14
13	EP 91073 prevents EP 80661-induced penile erection: new evidence for the existence of specific EP peptide receptors mediating penile erection. *Neuropharmacology*, **2001**, 41, 254-62	5.5	14
12	Oxytocin induces penile erection and yawning when injected into the bed nucleus of the stria terminalis: Involvement of glutamic acid, dopamine, and nitric oxide. *Hormones and Behavior*, **2017**, 96, 52-61	3.7	12
11	Neuroendocrine regulatory peptide-1 and neuroendocrine regulatory peptide-2 influence differentially feeding and penile erection in male rats: sites of action in the brain. *Regulatory Peptides*, **2012**, 177, 46-52		11
10	The pesticide fipronil injected into the substantia nigra of male rats decreases striatal dopamine content: A neurochemical, immunohistochemical and behavioral study. *Behavioural Brain Research*, **2020**, 384, 112562	3.4	10
9	c-Fos, FosB, BDNF, trkB and Arc Expression in the Limbic System of Male Roman High- and Low-Avoidance Rats that Show Differences in Sexual Behavior: Effect of Sexual Activity. *Neuroscience*, **2019**, 396, 1-23	3.9	9
8	Chronic Administration of Fipronil Heterogeneously Alters the Neurochemistry of Monoaminergic Systems in the Rat Brain. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
7	Activation of GABAA and opioid receptors reduce penile erection induced by hexarelin peptides. *Pharmacology Biochemistry and Behavior*, **2003**, 76, 563-70	3.9	6
6	Rats selectively bred for showing divergent behavioral traits in response to stress or novelty or spontaneous yawning with a divergent frequency show similar changes in sexual behavior: the role of dopamine. *Reviews in the Neurosciences*, **2019**, 30, 427-454	4.7	6
5	Oxytocin nasal spray in fibromyalgic patients: additional information : reply to the comment to the editor entitled "future directions for the investigation of intranasal oxytocin and pain". *Rheumatology International*, **2014**, 34, 1335-6	3.6	4
4	Oxytocin induces penile erection and yawning when injected into the bed nucleus of the stria terminalis: A microdialysis and immunohistochemical study. *Behavioural Brain Research*, **2019**, 375, 112147	3.4	3
3	Oxytocin, Erectile Function and Sexual Behavior: Last Discoveries and Possible Advances. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
2	Erectile Function and Sexual Behavior: A Review of the Role of Nitric Oxide in the Central Nervous System.. *Biomolecules*, **2021**, 11,	5.9	2
1	Oxytocin-conjugated saporin injected into the substantia nigra of male rats alters the activity of the nigrostriatal dopaminergic system: A behavioral and neurochemical study. *Brain Research*, **2021**, 1773, 147705	3.7	