Osvaldo Giorgi

List of Publications by Year
in descending order

82 papers	2,675 citations	186265 28 h-index	214800 47 g-index
84 all docs	84 docs citations	84 times ranked	1536 citing authors

#	Article	IF	Citations
1	Gabaergic and dopaminergic transmission in the rat cerebral cortex: Effect of stress, anxiolytic and anxiogenic drugs. , 1990, 48, 121-142.		169
2	Developmental and age-related changes in D1-dopamine receptors and dopamine content in the rat striatum. Developmental Brain Research, 1987, 35, 283-290.	1.7	166
3	The psychogenetically selected Roman high- and low-avoidance rat lines: A model to study the individual vulnerability to drug addiction. Neuroscience and Biobehavioral Reviews, 2007, 31, 148-163.	6.1	122
4	Behavior of the Roman/Verh high- and low-avoidance rat lines in anxiety tests: relationship with defecation and self-grooming. Physiology and Behavior, 1995, 58, 1209-1213.	2.1	101
5	Dissociation between mesocortical dopamine release and fear-related behaviours in two psychogenetically selected lines of rats that differ in coping strategies to aversive conditions. European Journal of Neuroscience, 2003, 17, 2716-2726.	2.6	96
6	Pentylenetetrazol-induced kindling in rats: Effect of GABA function inhibitors. Pharmacology Biochemistry and Behavior, 1991, 40, 329-333.	2.9	95
7	Physiological significance of Î±-adrenoceptor-mediated negative feedback mechanism regulating noradrenaline release during nerve stimulation. Nature, 1977, 265, 648-650.	27.8	92
8	3H-SCH 23390 binding sites in the rat substantia nigra: Evidence for a presynaptic localization and innervation by dopamine. Life Sciences, 1986, 39, 321-328.	4.3	86
9	The Roman High- and Low-Avoidance Rat Lines Differ in the Acquisition, Maintenance, Extinction, and Reinstatement of Intravenous Cocaine Self-Administration. Neuropsychopharmacology, 2009, 34, 1091-1101.	5.4	85
10	Dorsal root ganglia and nerve growth factor: A model for understanding the mechanism of GM1effects on neuronal repair. Journal of Neuroscience Research, 1984, 12, 277-287.	2.9	78
11	A differential activation of dopamine output in the shell and core of the nucleus accumbens is associated with the motor responses to addictive drugs: a brain dialysis study in Roman high- and low-avoidance rats. Neuropharmacology, 2004, 46, 688-699.	4.1	77
12	6-Hydroxydopamine-induced degeneration of nigral dopamine neurons: Differential effect on nigral and striatal D-1 dopamine receptors. Life Sciences, 1987, 41, 697-706.	4.3	66
13	MK-801 prevents chemical kindling induced by pentylenetetrazol in rats. European Journal of Pharmacology, 1991, 193, 363-365.	3.5	62
14	GABAergic and dopaminergic transmission in the brain of Roman high-avoidance and Roman low-avoidance rats. Brain Research, 1994, 638, 133-138.	2.2	57
15	D-1 dopamine receptors labelled with 3H-SCH 23390: Decrease in the striatum of aged rats. Neurobiology of Aging, 1987, 8, 51-54.	3.1	56
16	Differential activation of dopamine release in the nucleus accumbens core and shell after acute or repeated amphetamine injections: A comparative study in the Roman high- and low-avoidance rat lines. Neuroscience, 2005, 135, 987-998.	2.3	54
17	Biochemical parameters of dopaminergic and GABAergic neurotransmission in the CNS of Roman high-avoidance and Roman low-avoidance rats. Behavior Genetics, 1997, 27, 527-536.	2.1	53
18	Effects of cocaine and morphine in rats from two psychogenetically selected lines: a behavioral and brain dialysis study. Behavior Genetics, 1997, 27, 537-546.	2.1	52

#	Article	IF	Citations
19	The psychogenetically selected Roman rat lines differ in the susceptibility to develop amphetamine sensitization. Behavioural Brain Research, 2005, 157, 147-156.	2.2	47
20	Effects of antidepressants on the performance in the forced swim test of two psychogenetically selected lines of rats that differ in coping strategies to aversive conditions. Psychopharmacology, 2010, 211, 403-414.	3.1	46
21	Prepulse inhibition predicts spatial working memory performance in the inbred Roman high- and low-avoidance rats and in genetically heterogeneous NIH-HS rats: relevance for studying pre-attentive and cognitive anomalies in schizophrenia. Frontiers in Behavioral Neuroscience, 2015, 9, 213.	2.0	44
22	Differential neurochemical properties of central serotonergic transmission in Roman high- and low-avoidance rats. Journal of Neurochemistry, 2004, 86, 422-431.	3.9	41
23	A Genetic Model of Impulsivity, Vulnerability to Drug Abuse and Schizophrenia-Relevant Symptoms With Translational Potential: The Roman High- vs. Low-Avoidance Rats. Frontiers in Behavioral Neuroscience, 2019, 13, 145.	2.0	40
24	A reduction of the tone of 5-hydroxytryptamine neurons decreases utilization rates of striatal and hypothalamic enkephalins. European Journal of Pharmacology, 1984, 106, 427-430.	3.5	38
25	Ro 15-4513, a partial inverse agonist for benzodiazepine recognition sites, has proconflict and proconvulsant effects in the rat. European Journal of Pharmacology, 1989, 159, 233-239.	3.5	35
26	Expression of <scp>BDNF</scp> and trkB in the hippocampus of a rat genetic model of vulnerability (Roman lowâ€avoidance) and resistance (Roman highâ€avoidance) to stressâ€induced depression. Brain and Behavior, 2017, 7, e00861.	2.2	31
27	Dopamine, Noradrenaline and Differences in Sexual Behavior between Roman High and Low Avoidance Male Rats: A Microdialysis Study in the Medial Prefrontal Cortex. Frontiers in Behavioral Neuroscience, 2017, 11, 108.	2.0	30
28	Preferential affinity of 3H-2-oxo-quazepam for type I benzodiazepine recognition sites in the human brain. Life Sciences, 1988, 42, 189-197.	4.3	29
29	Effects of chronic antidepressant treatments in a putative genetic model of vulnerability (Roman) Tj ETQq1 1 0.784314 rgBT /Overlock Psychopharmacology, 2014, 231, 43-53.	3.1	29
30	Behavioural effects of acute and repeated cocaine treatments: a comparative study in sensitisation-prone RHA rats and their sensitisation-resistant RLA counterparts. Psychopharmacology, 2005, 180, 530-538.	3.1	27
31	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, 177-186.	2.2	27
32	?-Aminobutyric Acid Turnover in Rat Striatum: Effects of Glutamate and Kainic Acid. Journal of Neurochemistry, 1984, 42, 215-220.	3.9	25
33	Repeated morphine injections induce behavioural sensitization in Roman high- but not in Roman low-avoidance rats. NeuroReport, 2003, 14, 2433-2438.	1.2	25
34	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.	2.1	24
35	Cholecystokinin turnover in brain. Brain Research, 1983, 276, 375-378.	2.2	23
36	Unilateral inactivation of dopamine receptors after intrastriatal injection of N-ethoxy-carbonyl-2-ethoxy-1,2-dihydroquinoline (EEDQ): A novel rotational model to investigate dopamine receptor interactions. Pharmacology Biochemistry and Behavior, 1990, 35, 877-884.	2.9	22

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37	Dopamine agonist-induced penile erection and yawning: A comparative study in outbred Roman high- and low-avoidance rats. Pharmacology Biochemistry and Behavior, 2013, 109, 59-66.	2.9	22
38	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, 211-219.	2.9	22
39	Effect of Acute Stress on the Expression of BDNF, trkB, and PSA-NCAM in the Hippocampus of the Roman Rats: A Genetic Model of Vulnerability/Resistance to Stress-Induced Depression. International Journal of Molecular Sciences, 2018, 19, 3745.	4.1	21
40	Sulfation of peptides and simple phenols by rat brain phenolsulfotransferase. Biochemical Pharmacology, 1985, 34, 45-49.	4.4	20
41	The anxiolytic Î²-carboline ZK 93423 prevents the stress-induced increase in dopamine turnover in the prefrontal cortex. European Journal of Pharmacology, 1987, 134, 327-331.	3.5	20
42	Age-related changes in the turnover rates of D1-dopamine receptors in the retina and in distinct areas of the rat brain. Brain Research, 1992, 569, 323-329.	2.2	20
43	Differential Effects of Voluntary Ethanol Consumption on Dopamine Output in the Nucleus Accumbens Shell of Roman High- and Low-Avoidance Rats: A Behavioral and Brain Microdialysis Study. World Journal of Neuroscience, 2014, 04, 279-292.	0.1	20
44	Functional coupling of GABAA receptors and benzodiazepine recognition site subtypes in the spinal cord of the rat. European Journal of Pharmacology, 1989, 169, 205-213.	3.5	19
45	Selective unilateral inactivation of striatal D1 and D2 dopamine receptor subtypes by EEDQ: turning behavior elicited by D2 dopamine receptor agonists. Brain Research, 1990, 533, 53-59.	2.2	18
46	Mk-801 prevents the decrease in 35S-TBPS binding in the rat cerebral cortex induced by pentylenetetrazol kindling. Brain Research Bulletin, 1991, 27, 835-837.	3.0	18
47	Neurobehavioral and neurodevelopmental profiles of a heuristic genetic model of differential schizophrenia- and addiction-relevant features: The RHA vs. RLA rats. Neuroscience and Biobehavioral Reviews, 2021, 131, 597-617.	6.1	18
48	Neonatal Ventral Hippocampal Lesions Potentiate Amphetamine-Induced Increments in Dopamine Efflux in the Core, but Not the Shell, of the Nucleus Accumbens. Biological Psychiatry, 2006, 60, 1188-1195.	1.3	16
49	Some Guidelines for Defining Personality Differences in Rats. , 2009, , 281-300.		16
50	Differential effects of antipsychotic and propsychotic drugs on prepulse inhibition and locomotor activity in Roman high- (RHA) and low-avoidance (RLA) rats. Psychopharmacology, 2017, 234, 957-975.	3.1	16
51	Anticonvulsant effect of felbamate in the pentylenetetrazole kindling model of epilepsy in the rat. Naunyn-Schmiedeberg's Archives of Pharmacology, 1996, 354, 173-8.	3.0	15
52	6,3â€²-Dibromoflavone and 6-Nitro-3â€²-bromoflavone: New Additions to the 6,3â€²-Disubstituted Flavone Family of High-Affinity Ligands of the Brain Benzodiazepine Binding Site with Agonistic Properties. Biochemical and Biophysical Research Communications, 2000, 273, 694-698.	2.1	14
53	c-Fos, Î”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.	2.3	14
54	Chronic treatment with SCH 23390 increases the production rate of dopamine D1 receptors in the nigro-striatal system of the rat. European Journal of Pharmacology, 1993, 245, 139-145.	2.6	13

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55	Decreased social interaction in the RHA rat model of schizophrenia-relevant features: Modulation by neonatal handling. Behavioural Processes, 2021, 188, 104397.	1.1	13
56	Decreased 3H-l-quinuclidinyl benzilate binding and muscarine receptor subsensitivity after chronic gamma-butyrolactone treatment. Naunyn-Schmiedeberg's Archives of Pharmacology, 1981, 318, 14-18.	3.0	12
57	Effects of Forced Swimming Stress on ERK and Histone H3 Phosphorylation in Limbic Areas of Roman High- and Low-Avoidance Rats. PLoS ONE, 2017, 12, e0170093.	2.5	12
58	The neutral endopeptidase-24.11 (enkephalinase) inhibitor, SCH 32615, increases dopamine metabolism in the nucleus accumbens of the rat. European Journal of Pharmacology, 1991, 196, 137-142.	3.5	11
59	The Î²-carboline ZK 93423 inhibits reticulata neurons: An effect reversed by benzodiazepine antagonists. Life Sciences, 1987, 40, 1423-1430.	4.3	10
60	The abstinence syndrome in diazepam-dependent cats is precipitated by Ro 15-1788 and Ro 15-4513 but not by the benzodiazepine receptor antagonist ZK 93426. Neuroscience Letters, 1988, 88, 206-210.	2.1	10
61	Developmental changes in the content of dopamine in the olfactory bulb of the European eel (Anguilla anguilla). Neuroscience Letters, 1994, 172, 35-38.	2.1	10
62	5-HT1A receptor mRNA expressions differ in the embryonic spinal cord of male and female rats. Neuroscience Letters, 1997, 237, 41-44.	2.1	10
63	The Î²-carboline derivatives ZK 93426 and FG 7142 fail to precipitate abstinence signs in diazepam-dependent cats. Pharmacology Biochemistry and Behavior, 1989, 32, 671-675.	2.9	9
64	Binding sites for [3H]2-OXO-quazepam in the brain of the cat: Evidence for heterogeneity of benzodiazepine recognition sites. Neuropharmacology, 1989, 28, 715-718.	4.1	9
65	Modulation of 35S-TBPS binding by GABAergic drugs in the cerebral cortex of newborn and adult rats. Brain Research Bulletin, 1993, 32, 647-652.	3.0	9
66	Allosteric modulation of [35S]TBPS-binding in the cerebral cortex of the rat during postnatal development. Developmental Brain Research, 1994, 80, 73-80.	1.7	9
67	Differential effects of cocaine on extracellular signalâ€•regulated kinase phosphorylation in nuclei of the extended amygdala and prefrontal cortex of psychogenetically selected roman highâ€•and lowâ€•avoidance rats. Journal of Neuroscience Research, 2015, 93, 714-721.	2.9	9
68	Effects of morphine on place conditioning and ERK1/2 phosphorylation in the nucleus accumbens of psychogenetically selected Roman low- and high-avoidance rats. Psychopharmacology, 2018, 235, 59-69.	3.1	9
69	Decreased sensitivity to diazepam induced by chronic administration of FG 7142. Neuroscience Letters, 1988, 86, 219-224.	2.1	8
70	Differential Turnover Rates of D1Dopamine Receptors in the Retina and in Distinct Areas of the Rat Brain. Journal of Neurochemistry, 1991, 57, 754-759.	3.9	8
71	The Roman high- and low-avoidance rats differ in the sensitivity to shock-induced suppression of drinking and to the anxiogenic effect of pentylenetetrazole. Pharmacology Biochemistry and Behavior, 2018, 167, 29-35.	2.9	8
72	Differential effect of aging on3H-SCH 23390 binding sites in the retina and in distinct areas of the rat brain. Journal of Neural Transmission, 1990, 82, 157-166.	2.8	7

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73	The benzodiazepine recognition site inverse agonists Ro 15-4513 and FG 7142 both antagonize the EEG effects of ethanol in the rat. Life Sciences, 1988, 43, 2151-2158.	4.3	6
74	Modulation of [35S]TBPS binding by ligands with preferential affinity for benzodiazepine BZ1 sites in the cerebral cortex of newborn and adult rats. European Journal of Pharmacology, 1995, 290, 37-47.	2.6	6
75	Characterization of 3H-2-oxo-quazepam binding in the human brain. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1988, 12, 701-712.	4.8	3
76	Age-related decrease in the density of benzodiazepine recognition sites in the brain of the fresh water eel (Anguilla anguilla). Neuroscience Letters, 1991, 133, 168-170.	2.1	3
77	Differential turnover rates of D1 dopamine receptors in the brain and retina of adult and senescent rats. Neurochemistry International, 1992, 20, 171-173.	3.8	3
78	Active avoidance learning differentially activates ERK phosphorylation in the primary auditory and visual cortices of Roman high- and low-avoidance rats. Physiology and Behavior, 2019, 201, 31-41.	2.1	3
79	Neuroplastic changes in <scp>câ€Fos</scp> , <scp>Î”FosB</scp> , <scp>BDNF</scp> , <scp>trkB</scp> , and Arc expression in the hippocampus of male Roman rats: differential effects of sexual activity. Hippocampus, 2022, 32, 529-551.	1.9	3
80	Kinetics of tert-[35S]Butylbicyclophosphorothionate Binding in the Cerebral Cortex of Newborn and Adult Rats: Effects of GABA and Receptor Desensitization. Journal of Neurochemistry, 2002, 67, 423-429.	3.9	2
81	Systemic and in vitro effects of GAD and GABA-T inhibitors on AADC activity and of AADC inhibitors on GAD. General Pharmacology, 1981, 12, 217-223.	0.7	1
82	P.1.h.031 Dopamine is involved in the different copulatory patterns of Roman high and low avoidance rats: studies with apomorphine and haloperidol. European Neuropsychopharmacology, 2014, 24, S287-S288.	0.7	0