

Elio Acquas

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93
papers

4,432
citations

34
h-index

65
g-index

95
ext. papers

4,705
ext. citations

4.4
avg, IF

5
L-index

#	Paper	IF	Citations
93	Dopamine and drug addiction: the nucleus accumbens shell connection. <i>Neuropharmacology</i> , 2004 , 47 Suppl 1, 227-41	5.5	695
92	Conditioned and unconditioned stimuli increase frontal cortical and hippocampal acetylcholine release: effects of novelty, habituation, and fear. <i>Journal of Neuroscience</i> , 1996 , 16, 3089-96	6.6	279
91	Differential inhibitory effects of a 5-HT ₃ antagonist on drug-induced stimulation of dopamine release. <i>European Journal of Pharmacology</i> , 1989 , 164, 515-9	5.3	223
90	Depression of mesolimbic dopamine transmission and sensitization to morphine during opiate abstinence. <i>Journal of Neurochemistry</i> , 1992 , 58, 1620-5	6	191
89	SCH 23390 blocks drug-conditioned place-preference and place-aversion: anhedonia (lack of reward) or apathy (lack of motivation) after dopamine-receptor blockade?. <i>Psychopharmacology</i> , 1989 , 99, 151-5	4.7	183
88	Drug addiction as a disorder of associative learning. Role of nucleus accumbens shell/extended amygdala dopamine. <i>Annals of the New York Academy of Sciences</i> , 1999 , 877, 461-85	6.5	181
87	5HT ₃ receptor antagonists block morphine- and nicotine- but not amphetamine-induced reward. <i>Psychopharmacology</i> , 1989 , 97, 175-8	4.7	169
86	Behavioural sensitization after repeated exposure to Delta 9-tetrahydrocannabinol and cross-sensitization with morphine. <i>Psychopharmacology</i> , 2001 , 158, 259-66	4.7	127
85	Differential effects of caffeine on dopamine and acetylcholine transmission in brain areas of drug-naive and caffeine-pretreated rats. <i>Neuropsychopharmacology</i> , 2002 , 27, 182-93	8.7	115
84	Explaining the escalation of drug use in substance dependence: models and appropriate animal laboratory tests. <i>Pharmacology</i> , 2007 , 80, 65-119	2.3	112
83	Ethanol as a neurochemical surrogate of conventional reinforcers: the dopamine-opioid link. <i>Alcohol</i> , 1996 , 13, 13-7	2.7	110
82	Profound depression of mesolimbic dopamine release after morphine withdrawal in dependent rats. <i>European Journal of Pharmacology</i> , 1991 , 193, 133-4	5.3	108
81	Differential neurochemical and behavioral adaptation to cocaine after response contingent and noncontingent exposure in the rat. <i>Psychopharmacology</i> , 2007 , 191, 653-67	4.7	99
80	Blockade of delta-opioid receptors in the nucleus accumbens prevents ethanol-induced stimulation of dopamine release. <i>European Journal of Pharmacology</i> , 1993 , 230, 239-41	5.3	95
79	Piecing together the puzzle of acetaldehyde as a neuroactive agent. <i>Neuroscience and Biobehavioral Reviews</i> , 2012 , 36, 404-30	9	89
78	D1 receptor blockade stereospecifically impairs the acquisition of drug-conditioned place preference and place aversion. <i>Behavioural Pharmacology</i> , 1994 , 5, 555-569	2.4	88
77	Drug motivation and abuse: a neurobiological perspective. <i>Annals of the New York Academy of Sciences</i> , 1992 , 654, 207-19	6.5	73

76	Human immunodeficiency virus type 1 glycoprotein gp120 reduces the levels of brain-derived neurotrophic factor in vivo: potential implication for neuronal cell death. <i>European Journal of Neuroscience</i> , 2004 , 20, 2857-64	3.5	72
75	Cannabinoid CB(1) receptor agonists increase rat cortical and hippocampal acetylcholine release in vivo. <i>European Journal of Pharmacology</i> , 2000 , 401, 179-85	5.3	61
74	Extracellular concentrations of dopamine and metabolites in the rat caudate after oral administration of a novel catechol-O-methyltransferase inhibitor Ro 40-7592. <i>Journal of Neurochemistry</i> , 1992 , 59, 326-30	6	59
73	Reciprocal effects of response contingent and noncontingent intravenous heroin on in vivo nucleus accumbens shell versus core dopamine in the rat: a repeated sampling microdialysis study. <i>Psychopharmacology</i> , 2007 , 194, 103-16	4.7	54
72	Ethanol-induced extracellular signal regulated kinase: role of dopamine D1 receptors. <i>Alcoholism: Clinical and Experimental Research</i> , 2009 , 33, 858-67	3.7	48
71	Differential effects of intravenous R,S-(+/-)-3,4-methylenedioxymethamphetamine (MDMA, Ecstasy) and its S(+)- and R(-)-enantiomers on dopamine transmission and extracellular signal regulated kinase phosphorylation (pERK) in the rat nucleus accumbens shell and core. <i>Journal of Neurochemistry</i> , 2007 , 102, 181-92	6	47
70	Pharmacology of sensory stimulation-evoked increases in frontal cortical acetylcholine release. <i>Neuroscience</i> , 1998 , 85, 73-83	3.9	45
69	Delta9-tetrahydrocannabinol enhances cortical and hippocampal acetylcholine release in vivo: a microdialysis study. <i>European Journal of Pharmacology</i> , 2001 , 419, 155-61	5.3	42
68	Blockade of acquisition of drug-conditioned place aversion by 5HT3 antagonists. <i>Psychopharmacology</i> , 1990 , 100, 459-63	4.7	41
67	Persistent and reversible morphine withdrawal-induced morphological changes in the nucleus accumbens. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1074, 446-57	6.5	40
66	Homologies and differences in the action of drugs of abuse and a conventional reinforcer (food) on dopamine transmission: an interpretative framework of the mechanism of drug dependence. <i>Advances in Pharmacology</i> , 1998 , 42, 983-7	5.7	39
65	Effect of 3,4-methylenedioxymethamphetamine (MDMA, "ecstasy") on dopamine transmission in the nucleus accumbens shell and core. <i>Brain Research</i> , 2005 , 1055, 143-8	3.7	39
64	Human immunodeficiency virus type 1 protein gp120 causes neuronal cell death in the rat brain by activating caspases. <i>Neurotoxicity Research</i> , 2004 , 5, 605-15	4.3	38
63	An overview on biologic medications and their possible role in apical periodontitis. <i>Journal of Endodontics</i> , 2014 , 40, 1902-11	4.7	35
62	Simultaneous Golgi-Cox and immunofluorescence using confocal microscopy. <i>Brain Structure and Function</i> , 2011 , 216, 171-82	4	35
61	Key role of salsolinol in ethanol actions on dopamine neuronal activity of the posterior ventral tegmental area. <i>Addiction Biology</i> , 2015 , 20, 182-93	4.6	34
60	Role of dopamine D1 receptors and extracellular signal regulated kinase in the motivational properties of acetaldehyde as assessed by place preference conditioning. <i>Alcoholism: Clinical and Experimental Research</i> , 2010 , 34, 607-16	3.7	34
59	Intravenous administration of ecstasy (3,4-methylenedioxymethamphetamine) enhances cortical and striatal acetylcholine release in vivo. <i>European Journal of Pharmacology</i> , 2001 , 418, 207-11	5.3	34

58	The potent and selective dopamine D1 receptor agonist A-77636 increases cortical and hippocampal acetylcholine release in the rat. <i>European Journal of Pharmacology</i> , 1994 , 260, 85-7	5.3	34
57	<i>Withania somnifera</i> root extract prolongs analgesia and suppresses hyperalgesia in mice treated with morphine. <i>Phytomedicine</i> , 2014 , 21, 745-52	6.5	33
56	Dopaminergic regulation of striatal acetylcholine release: the critical role of acetylcholinesterase inhibition. <i>Journal of Neurochemistry</i> , 1998 , 70, 1088-93	6	33
55	<i>Withania somnifera</i> prevents morphine withdrawal-induced decrease in spine density in nucleus accumbens shell of rats: a confocal laser scanning microscopy study. <i>Neurotoxicity Research</i> , 2009 , 16, 343-55	4.3	32
54	Chronic lithium attenuates dopamine D1-receptor mediated increases in acetylcholine release in rat frontal cortex. <i>Psychopharmacology</i> , 1996 , 125, 162-7	4.7	30
53	<i>Mucuna pruriens</i> (Velvet bean) rescues motor, olfactory, mitochondrial and synaptic impairment in PINK1B9 <i>Drosophila melanogaster</i> genetic model of Parkinson's disease. <i>PLoS ONE</i> , 2014 , 9, e110802	3.7	30
52	Modulation of Delta(9)-THC-induced increase of cortical and hippocampal acetylcholine release by micro opioid and D(1) dopamine receptors. <i>Neuropharmacology</i> , 2006 , 50, 661-70	5.5	29
51	Effect of opioid receptor blockade on acetaldehyde self-administration and ERK phosphorylation in the rat nucleus accumbens. <i>Alcohol</i> , 2011 , 45, 773-83	2.7	28
50	Mystic Acetaldehyde: The Never-Ending Story on Alcoholism. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 81	3.5	26
49	Role of ethanol-derived acetaldehyde in operant oral self-administration of ethanol in rats. <i>Psychopharmacology</i> , 2015 , 232, 4269-76	4.7	23
48	<i>Withania somnifera</i> prevents acquisition and expression of morphine-elicited conditioned place preference. <i>Behavioural Pharmacology</i> , 2013 , 24, 133-43	2.4	22
47	The MEK inhibitor SL327 blocks acquisition but not expression of lithium-induced conditioned place aversion: a behavioral and immunohistochemical study. <i>Psychopharmacology</i> , 2011 , 216, 63-73	4.7	20
46	Acetaldehyde elicits ERK phosphorylation in the rat nucleus accumbens and extended amygdala. <i>Synapse</i> , 2010 , 64, 916-27	2.4	20
45	Role of dopamine D(1) receptors in caffeine-mediated ERK phosphorylation in the rat brain. <i>Synapse</i> , 2010 , 64, 341-9	2.4	19
44	Acquisition and expression of conditioned taste aversion differentially affects extracellular signal regulated kinase and glutamate receptor phosphorylation in rat prefrontal cortex and nucleus accumbens. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 153	3.5	18
43	Role of dopamine D1 receptors in the control of striatal acetylcholine release by endogenous dopamine. <i>Neurological Sciences</i> , 2001 , 22, 41-2	3.5	18
42	Not Just from Ethanol. Tetrahydroisoquinolinic (TIQ) Derivatives: from Neurotoxicity to Neuroprotection. <i>Neurotoxicity Research</i> , 2019 , 36, 653-668	4.3	16
41	Effects of L-cysteine on reinstatement of ethanol-seeking behavior and on reinstatement-elicited extracellular signal-regulated kinase phosphorylation in the rat nucleus accumbens shell. <i>Alcoholism: Clinical and Experimental Research</i> , 2013 , 37 Suppl 1, E329-37	3.7	16

40	Dopamine D(1) receptor-mediated control of striatal acetylcholine release by endogenous dopamine. <i>European Journal of Pharmacology</i> , 1999 , 383, 121-7	5.3	16
39	From Ethanol to Salsolinol: Role of Ethanol Metabolites in the Effects of Ethanol. <i>Journal of Experimental Neuroscience</i> , 2016 , 10, 137-146	3.6	16
38	Functional and Morphological Correlates in the Drosophila LRRK2 loss-of-function Model of Parkinson's Disease: Drug Effects of Withania somnifera (Dunal) Administration. <i>PLoS ONE</i> , 2016 , 11, e0146140	3.7	15
37	Inhibition of Morphine- and Ethanol-Mediated Stimulation of Mesolimbic Dopamine Neurons by. <i>Frontiers in Neuroscience</i> , 2019 , 13, 545	5.1	13
36	Effects of Withania somnifera on oral ethanol self-administration in rats. <i>Behavioural Pharmacology</i> , 2014 , 25, 618-28	2.4	13
35	Differential effects of phytotherapeutic preparations in the hSOD1 Drosophila melanogaster model of ALS. <i>Scientific Reports</i> , 2017 , 7, 41059	4.9	12
34	The standardized Withania somnifera 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
33	Local application of SCH 39166 reversibly and dose-dependently decreases acetylcholine release in the rat striatum. <i>European Journal of Pharmacology</i> , 1999 , 383, 275-9	5.3	11
32	5-HT ₃ receptors antagonists block morphine- and nicotine- but not amphetamine-induced place-preference conditioning. <i>Pharmacological Research Communications</i> , 1988 , 20, 1113-4		11
31	Behavioral and biochemical evidence of the role of acetaldehyde in the motivational effects of ethanol. <i>Frontiers in Behavioral Neuroscience</i> , 2013 , 7, 86	3.5	9
30	Ethanol-Dependent Synthesis of Salsolinol in the Posterior Ventral Tegmental Area as Key Mechanism of Ethanol's Action on Mesolimbic Dopamine. <i>Frontiers in Neuroscience</i> , 2021 , 15, 675061	5.1	9
29	Ferulic Acid Esters and Withanolides: In Search of Withania somnifera GABA Receptor Modulators. <i>Journal of Natural Products</i> , 2019 , 82, 1250-1257	4.9	8
28	Role of nucleus accumbens opioid receptors in the effects of morphine on ERK1/2 phosphorylation. <i>Psychopharmacology</i> , 2016 , 233, 2943-54	4.7	8
27	Differential effects of cocaine on extracellular signal-regulated kinase phosphorylation in nuclei of the extended amygdala and prefrontal cortex of psychogenetically selected Roman high- and low-avoidance rats. <i>Journal of Neuroscience Research</i> , 2015 , 93, 714-21	4.4	8
26	Differential sensitivity of ethanol-elicited ERK phosphorylation in nucleus accumbens of Sardinian alcohol-preferring and -non preferring rats. <i>Alcohol</i> , 2014 , 48, 471-6	2.7	8
25	Withania somnifera Dunal (Indian ginseng) impairs acquisition and expression of ethanol-elicited conditioned place preference and conditioned place aversion. <i>Journal of Psychopharmacology</i> , 2015 , 29, 1191-9	4.6	7
24	Sex-specific differences in cannabinoid-induced extracellular-signal-regulated kinase phosphorylation in the cingulate cortex, prefrontal cortex, and nucleus accumbens of Lister Hooded rats. <i>Behavioural Pharmacology</i> , 2018 , 29, 473-481	2.4	7
23	Is catalase involved in the effects of systemic and pVTA administration of 4-methylpyrazole on ethanol self-administration?. <i>Alcohol</i> , 2017 , 63, 61-73	2.7	7

22	Standardized phytotherapeutic extracts rescue anomalous locomotion and electrophysiological responses of TDP-43 <i>Drosophila melanogaster</i> model of ALS. <i>Scientific Reports</i> , 2018 , 8, 16002	4.9	7
21	A within-subjects microdialysis/behavioural study of the role of striatal acetylcholine in D1-dependent turning. <i>Behavioural Brain Research</i> , 1999 , 103, 219-28	3.4	6
20	Effects of morphine on place conditioning and ERK phosphorylation in the nucleus accumbens of psychogenetically selected Roman low- and high-avoidance rats. <i>Psychopharmacology</i> , 2018 , 235, 59-69	4.7	6
19	Differential effects of the MEK inhibitor SL327 on the acquisition and expression of ethanol-elicited conditioned place preference and aversion in mice. <i>Journal of Psychopharmacology</i> , 2017 , 31, 105-114	4.6	5
18	Role of striatal acetylcholine on dopamine D1 receptor agonist-induced turning behavior in 6-hydroxydopamine lesioned rats: a microdialysis-behavioral study. <i>Neurological Sciences</i> , 2001 , 22, 63-4	3.5	5
17	Evidence of a PPAR δ -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
16	Effects of caffeine on ethanol-elicited place preference, place aversion and ERK phosphorylation in CD-1 mice. <i>Journal of Psychopharmacology</i> , 2020 , 34, 1357-1370	4.6	4
15	The biologically active compound of (L.) Dunal, docosanyl ferulate, is endowed with potent anxiolytic properties but devoid of typical benzodiazepine-like side effects. <i>Journal of Psychopharmacology</i> , 2021 , 35, 1277-1284	4.6	4
14	Neuroprotective effect of (R)-(-)-linalool on oxidative stress in PC12 cells. <i>Phytomedicine Plus</i> , 2021 , 1, 100073		4
13	Active avoidance learning differentially activates ERK phosphorylation in the primary auditory and visual cortices of Roman high- and low-avoidance rats. <i>Physiology and Behavior</i> , 2019 , 201, 31-41	3.5	3
12	Simultaneous wireless and high-resolution detection of nucleus accumbens shell ethanol concentrations and free motion of rats upon voluntary ethanol intake. <i>Alcohol</i> , 2019 , 78, 69-78	2.7	2
11	Tea component, epigallocatechin gallate, potentiates anticataleptic and locomotor-sensitizing effects of caffeine in mice. <i>Behavioural Pharmacology</i> , 2015 , 26, 125-32	2.4	2
10	Molecular Pharmacology and Neuroanatomy. <i>Handbooks of Pharmacology and Toxicology</i> , 2000 , 369-384		2
9	Impact of Caffeine on Ethanol-Induced Stimulation and Sensitization: Changes in ERK and DARPP-32 Phosphorylation in Nucleus Accumbens. <i>Alcoholism: Clinical and Experimental Research</i> , 2021 , 45, 608-619	3.7	2
8	The renaissance of acetaldehyde as a psychoactive compound: decades in the making. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 249	3.5	1
7	Chapter 14:Caffeine and the Brain: An Overview. <i>Food and Nutritional Components in Focus</i> , 2012 , 247-267		1
6	Behavioral Pharmacology of Caffeine 2013 , 1349-1362		1
5	Effects of docosanyl ferulate, a constituent of <i>Withania somnifera</i> , on ethanol- and morphine-elicited conditioned place preference and ERK phosphorylation in the accumbens shell of CD1 mice.. <i>Psychopharmacology</i> , 2022 , 239, 795	4.7	0

- 4 Neurobiological Aspects of Ethanol-Derived Salsolinol **2019**, 227-235
- 3 Alcohol as Prodrug of Salsolinol **2022**, 1-24
- 2 Caffeine-Mediated ERK Phosphorylation in the Rat Brain **2013**, 1095-1104
- 1 Caffeine and Alcohol **2022**, 1-20