Frederico Graeff

List of Publications by Year
in descending order

127 papers	9,594 citations	36303 51 h-index	38395 95 g-index
127 all docs	127 docs citations	127 times ranked	4955 citing authors

#	Article	IF	Citations
1	5-HT and mechanisms of defence. Journal of Psychopharmacology, 1991, 5, 305-315.	4.0	868
2	Role of 5-HT in stress, anxiety, and depression. Pharmacology Biochemistry and Behavior, 1996, 54, 129-141.	2.9	843
3	Ethopharmacological analysis of rat behavior on the elevated plus-maze. Pharmacology Biochemistry and Behavior, 1994, 49, 171-176.	2.9	713
4	Effects of ipsapirone and cannabidiol on human experimental anxiety. Journal of Psychopharmacology, 1993, 7, 82-88.	4.0	298
5	Antianxiety effect of cannabidiol in the elevated plus-maze. Psychopharmacology, 1990, 100, 558-559.	3.1	295
6	The elevated T-maze as an experimental model of anxiety. Neuroscience and Biobehavioral Reviews, 1998, 23, 237-246.	6.1	289
7	Role of the amygdala and periaqueductal gray in anxiety and panic. Behavioural Brain Research, 1993, 58, 123-131.	2.2	271
8	The elevated T-maze: A new animal model of anxiety and memory. Pharmacology Biochemistry and Behavior, 1994, 49, 549-554.	2.9	212
9	Induction of Fos immunoreactivity in the brain by exposure to the elevated plus-maze. Behavioural Brain Research, 1993, 56, 115-118.	2.2	200
10	Trial 2 in the elevated plus-maze: a different form of fear?. Psychopharmacology, 1993, 111, 491-494.	3.1	189
11	Behavioral Effects of Acute and Chronic Imipramine in the Elevated T-Maze Model of Anxiety. Pharmacology Biochemistry and Behavior, 2000, 65, 571-576.	2.9	187
12	GABA mediation of the anti-aversive action of minor tranquilizers. Pharmacology Biochemistry and Behavior, 1982, 16, 397-402.	2.9	178
13	Dual role of 5-HT in defense and anxiety. Neuroscience and Biobehavioral Reviews, 1997, 21, 791-799.	6.1	149
14	Anti-aversive role of serotonin in the dorsal periaqueductal grey matter. Psychopharmacology, 1985, 85, 340-345.	3.1	146
15	Anxiolytic effect in the elevated plus-maze of the NMDA receptor antagonist AP7 microinjected into the dorsal periaqueductal grey. Psychopharmacology, 1991, 103, 91-94.	3.1	137
16	Behavioral inhibition induced by electrical stimulation of the median raphe nucleus of the rat. Physiology and Behavior, 1978, 21, 477-484.	2.1	136
17	Tryptaminergic mechanisms in punished and nonpunished behavior. Journal of Pharmacology and Experimental Therapeutics, 1970, 173, 277-83.	2.5	132
18	Behavioral Validation of the Elevated T-Maze, a New Animal Model of Anxiety. Brain Research Bulletin, 1997, 44, 1-5.	3.0	126

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19	Role of 5-HT receptor subtypes in the modulation of dorsal periaqueductal gray generated aversion. Pharmacology Biochemistry and Behavior, 1995, 52, 1-6.	2.9	118
20	Role of the periaqueductal gray substance in the antianxiety action of benzodiazepines. Pharmacology Biochemistry and Behavior, 1978, 9, 287-295.	2.9	115
21	Acute inhibition of nitric oxide synthesis induces anxiolysis in the plus maze test. European Journal of Pharmacology, 1997, 323, 37-43.	3.5	101
22	Defensive freezing evoked by electrical stimulation of the periaqueductal gray: comparison between dorsolateral and ventrolateral regions. NeuroReport, 2001, 12, 4109-4112.	1.2	98
23	Central mechanisms of the hypertensive action of intraventricular bradykinin in the unanaesthetized rat. Neuropharmacology, 1974, 13, 65-75.	4.1	93
24	Lesion of the Ventral Periaqueductal Gray Reduces Conditioned Fear but Does Not Change Freezing Induced by Stimulation of the Dorsal Periaqueductal Gray. Learning and Memory, 2001, 8, 164-169.	1.3	86
25	Electrophysiological evidence for excitatory 5-HT2 and depressant 5-HT1A receptors on neurones of the rat midbrain tectum. Brain Research, 1991, 556, 259-266.	2.2	84
26	Serotonergic regulation of inhibitory avoidance and one-way escape in the rat elevated T-maze. Neuroscience and Biobehavioral Reviews, 2001, 25, 637-645.	6.1	84
27	Anxiety-induced antinociception in mice: effects of systemic and intra-amygdala administration of 8-OH-DPAT and midazolam. Psychopharmacology, 2000, 150, 300-310.	3.1	83
28	Effect of metergoline on human anxiety. Psychopharmacology, 1985, 86, 334-338.	3.1	80
29	Role of 5-HT in Defensive Behavior and Anxiety. Reviews in the Neurosciences, 1993, 4, 181-211.	2.9	79
30	Anxiolytic effect of intra-amygdala injection of midazolam and 8-hydroxy-2-(di-n-propylamino)tetralin in the elevated T-maze. European Journal of Pharmacology, 1999, 369, 267-270.	3.5	78
31	Effect of electrolytic and neurotoxic lesions of the median raphe nucleus on anxiety and stress. Pharmacology Biochemistry and Behavior, 2001, 70, 1-14.	2.9	77
32	Opposed regulation by dorsal raphe nucleus 5-HT pathways of two types of fear in the elevated T-maze. Pharmacology Biochemistry and Behavior, 1996, 53, 171-177.	2.9	76
33	Role of 5-HT2A and 5-HT2C Receptor Subtypes in the Two Types of Fear Generated by the Elevated T-Maze. Pharmacology Biochemistry and Behavior, 1997, 58, 1051-1057.	2.9	76
34	Median raphe stimulation, hippocampal theta rhythm and threat-induced behavioral inhibition. Physiology and Behavior, 1980, 25, 253-261.	2.1	74
35	Effect of chlorimipramine and maprotiline on experimental anxiety in humans. Journal of Psychopharmacology, 1987, 1, 184-192.	4.0	73
36	Modulation of defensive behavior by periaqueductal gray NMDA/glycine-B receptor. Neuroscience and Biobehavioral Reviews, 2001, 25, 697-709.	6.1	72

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37	Localization in the amygdala of the amnestic action of diazepam on emotional memory. Behavioural Brain Research, 1993, 58, 99-105.	2.2	70
38	Behavioural and somatic effects of bradykinin injected into the cerebral ventricles of unanaesthetized rabbits. British Journal of Pharmacology, 1969, 37, 723-732.	5.4	67
39	Early life protein malnutrition changes exploration of the elevated plus-maze and reactivity to anxiolytics. Psychopharmacology, 1991, 103, 513-518.	3.1	67
40	Defense reaction elicited by microinjection of kainic acid into the medial hypothalamus of the rat: Antagonism by a GABAA receptor agonist. Behavioral and Neural Biology, 1992, 57, 226-232.	2.2	64
41	Kainate Microinjection into the Dorsal Raphe Nucleus Induces 5-HT Release in the Amygdala and Periaqueductal Gray. Pharmacology Biochemistry and Behavior, 1997, 58, 167-172.	2.9	63
42	GABA modulation of the defense reaction induced by brain electrical stimulation. Physiology and Behavior, 1983, 31, 429-437.	2.1	62
43	Benzodiazepine receptors in the periaqueductal grey mediate anti-aversive drug action. European Journal of Pharmacology, 1984, 103, 279-285.	3.5	62
44	Differential expression of Fos protein in the rat brain induced by performance of avoidance or escape in the elevated T-maze. Behavioural Brain Research, 2001, 126, 13-21.	2.2	62
45	Decreased left temporal lobe volume of panic patients measured by magnetic resonance imaging. Brazilian Journal of Medical and Biological Research, 2003, 36, 925-929.	1.5	62
46	Role of benzodiazepine receptors located in the dorsal periaqueductal grey of rats in anxiety. Psychopharmacology, 1993, 110, 198-202.	3.1	61
47	SEROTONERGIC SYSTEMS. Psychiatric Clinics of North America, 1997, 20, 723-739.	1.3	61
48	GABA-Benzodiazepine modulation of aversion in the medial hypothalamus of the rat. Pharmacology Biochemistry and Behavior, 1987, 28, 21-27.	2.9	60
49	Tryptamine antagonists and punished behavior. Journal of Pharmacology and Experimental Therapeutics, 1974, 189, 344-50.	2.5	59
50	Pharmacology of human experimental anxiety. Brazilian Journal of Medical and Biological Research, 2003, 36, 421-432.	1.5	58
51	Subcellular distribution and properties of the bradykinin inactivation system in rabbit brain homogenates. Biochemical Pharmacology, 1969, 18, 548-549.	4.4	53
52	Effect of reserpine and alpha-methyl-tyrosine on morphine analgesia. International Journal of Neuropharmacology, 1968, 7, 283-292.	1.2	52
53	Antinociceptive action of intraventricular bradykinin. Neuropharmacology, 1971, 10, 725-731.	4.1	51
54	Anxiolytic effect of glycine antagonists microinjected into the dorsal periaqueductal grey. Psychopharmacology, 1994, 113, 565-569.	3.1	48

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55	C-fos immunoreactivity in the brain following electrical or chemical stimulation of the medial hypothalamus of freely moving rats. Brain Research, 1995, 674, 265-274.	2.2	48
56	Modulation of the brain aversive system by GABAergic and serotonergic mechanisms. Behavioural Brain Research, 1986, 21, 65-72.	2.2	47
57	Early Life Stress in Depressive Patients: Role of Glucocorticoid and Mineralocorticoid Receptors and of Hypothalamic-Pituitary-Adrenal Axis Activity. Current Pharmaceutical Design, 2015, 21, 1369-1378.	1.9	45
58	Modulation of the brain aversive system by gabaregic and serotonergic mechanisms. Behavioural Brain Research, 1986, 22, 173-180.	2.2	43
59	Anxiolytic effect of estradiol in the median raphe nucleus mediated by 5-HT1A receptors. Behavioural Brain Research, 2005, 163, 18-25.	2.2	41
60	Antagonism of morphine analgesia by reserpine and Î±-methyltyrosine and the role played by catecholamines in morphine analgesic action. Journal of Pharmacy and Pharmacology, 2011, 19, 264-265.	2.4	41
61	Dorsal periaqueductal gray punishment, septal lesions and the mode of action of minor tranquilizers. Pharmacology Biochemistry and Behavior, 1980, 12, 41-45.	2.9	38
62	Microinjection of propranolol into the dorsal periaqueductal gray causes an anxiolytic effect in the elevated plus-maze antagonized by ritanserin. Psychopharmacology, 1991, 105, 553-557.	3.1	37
63	Evaluation of the elevated T-maze as an animal model of anxiety in the mouse. Brain Research Bulletin, 1999, 48, 407-411.	3.0	37
64	Do panic patients process unconditioned fear vs. conditioned anxiety differently than normal subjects?. Psychiatry Research, 2001, 104, 227-237.	3.3	37
65	Opposite effects of nefazodone in two human models of anxiety. Psychopharmacology, 2001, 156, 454-460.	3.1	37
66	Effect of intracerebroventricular bradykinin and related peptides on rabbit operant behavior. Journal of Pharmacology and Experimental Therapeutics, 1975, 193, 1-10.	2.5	37
67	New perspective on the pathophysiology of panic: merging serotonin and opioids in the periaqueductal gray. Brazilian Journal of Medical and Biological Research, 2012, 45, 366-375.	1.5	35
68	Mediation by serotonin of the antiaversive effect of zimelidine and propranolol injected into the dorsal midbrain central grey. Journal of Psychopharmacology, 1988, 2, 26-32.	4.0	34
69	Hormonal changes and increased anxiety-like behavior in a perimenopause-animal model induced by 4-vinylcyclohexene diepoxide (VCD) in female rats. Psychoneuroendocrinology, 2014, 49, 130-140.	2.7	32
70	Neurotransmitters in the Dorsal Periaqueductal Grey and Animal Models of Panic Anxiety. , 1991, , 288-312.		31
71	5-HT mediation of the antiaversive effect of isamoltane injected into the dorsal periaqueductal grey. Behavioural Pharmacology, 1991, 2, 73.	1.7	30
72	Anxiolytic effect of carbamazepine in the elevated plus-maze: possible role of adenosine. Psychopharmacology, 1992, 106, 85-89.	3.1	30

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73	Effects on Anxiety and Memory of Systemic and Intra-Amygdala Injection of 5-HT₃ Receptor Antagonist BRL 46470A. Neuropsychobiology, 1996, 33, 189-195.	1.9	30
74	Reduction of latent inhibition by d-amphetamine in a conditioned suppression paradigm in humans. Behavioural Brain Research, 2000, 117, 61-67.	2.2	30
75	Decreased reactivity to anxiolytics caused by early protein malnutrition in rats. Pharmacology Biochemistry and Behavior, 1990, 36, 997-1000.	2.9	29
76	Effects of early postnatal malnutrition and chlordiazepoxide on experimental aversive situations. Physiology and Behavior, 1992, 51, 1195-1199.	2.1	29
77	Effect ofd-fenfluramine on human experimental anxiety. Psychopharmacology, 1996, 127, 276-282.	3.1	29
78	Effect of cyproheptadine and combinations of cyproheptadine and amphetamine on intermittently reinforced lever-pressing in rats. Psychopharmacology, 1976, 50, 65-71.	3.1	28
79	Defensive responses to threat scenarios in Brazilians reproduce the pattern of Hawaiian Americans and non-human mammals. Brazilian Journal of Medical and Biological Research, 2008, 41, 324-332.	1.5	28
80	Neuroeffector mechanisms of the defense reaction in the rat. Physiology and Behavior, 1983, 31, 439-444.	2.1	27
81	Behavioral effects of 5-HT receptor ligands in the aversive brain stimulation, elevated plus-maze and learned helplessness tests. Neuroscience and Biobehavioral Reviews, 1990, 14, 501-506.	6.1	27
82	Opioid mediation of the antiaversive and hyperalgesic actions of bradykinin injected into the dorsal periaqueductal gray of the rat. Physiology and Behavior, 1992, 52, 405-410.	2.1	27
83	Comparison between the effects of apomorphine and amphetamine on operant behavior. European Journal of Pharmacology, 1972, 18, 159-165.	3.5	26
84	Effect of minor tranquilizers, tryptamine antagonists and amphetamine on behavior punished by brain stimulation. Pharmacology Biochemistry and Behavior, 1981, 15, 351-356.	2.9	25
85	On the mechanism of the hypertensive action of intraseptal bradykinin in the rat. Neuropharmacology, 1976, 15, 713-717.	4.1	22
86	Serotonergic modulation of face-emotion recognition. Brazilian Journal of Medical and Biological Research, 2008, 41, 263-269.	1.5	22
87	GABAA receptors in the midbrain central grey mediate the antiaversive action of GABA. European Journal of Pharmacology, 1987, 135, 225-229.	3.5	21
88	Differential expression of c-fos mRNA and Fos protein in the rat brain after restraint stress or pentylenetetrazol-induced seizures. Cellular and Molecular Neurobiology, 1998, 18, 339-346.	3.3	21
89	The brain decade in debate: II. Panic or anxiety? From animal models to a neurobiological basis. Brazilian Journal of Medical and Biological Research, 2001, 34, 145-154.	1.5	21
90	Anxiolytic and panicolytic effects of escitalopram in the elevated T-maze. Journal of Psychopharmacology, 2008, 22, 132-137.	4.0	21

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91	Lever-pressing behavior caused by intraseptal angiotensin II in water satiated rats. Pharmacology Biochemistry and Behavior, 1973, 1, 357-359.	2.9	20
92	Antagonism of the dipsogenic action of intraseptal angiotensin II in the rat. Pharmacology Biochemistry and Behavior, 1974, 2, 597-602.	2.9	20
93	Escitalopram prolonged fear induced by simulated public speaking and released hypothalamic-pituitary-adrenal axis activation. Journal of Psychopharmacology, 2010, 24, 683-694.	4.0	20
94	Role played by catechol and indolamines in the central actions of reserpine after monoaminoxidase inhibition. International Journal of Neuropharmacology, 1965, 4, 17-IN1.	1.2	19
95	Facilitatory effect of ketamine on punished behavior. Pharmacology Biochemistry and Behavior, 1980, 13, 1-4.	2.9	19
96	Role of 5-hydroxytryptamine in amphetamine effects on punished and unpunished behaviour. Psychopharmacology, 1983, 80, 78-82.	3.1	18
97	The role of central muscarinic and nicotinic receptors in the regulation of sodium and potassium renal excretion. General Pharmacology, 1976, 7, 145-148.	0.7	17
98	Defensive behavior and hypertension induced by glutamate in the midbrain central gray of the rat. Brazilian Journal of Medical and Biological Research, 1985, 18, 61-7.	1.5	17
99	NONDISCRIMINATED AVOIDANCE OF SHOCK BY PIGEONS PECKING A KEY1. Journal of the Experimental Analysis of Behavior, 1973, 19, 211-218.	1.1	16
100	Effect of intracerebroventricular bradykinin, angiotensin II, and substance P on multiple fixed-interval fixed-ratio responding in rabbits. Psychopharmacology, 1978, 57, 89-95.	3.1	16
101	A neurotoxic lesion of serotonergic neurones using 5,7-dihydroxytryptamine does not disrupt latent inhibition in paradigms sensitive to low doses of amphetamine. Behavioural Brain Research, 1999, 100, 167-175.	2.2	16
102	Effects of tryptophan depletion on anxiety induced by simulated public speaking. Brazilian Journal of Medical and Biological Research, 2000, 33, 581-587.	1.5	16
103	Effects of amphetamine on choice behavior of pigeons. Psychopharmacology, 1972, 26, 395-400.	3.1	15
104	Influence of response topography on the effect of apomorphine and amphetamine on operant behavior of pigeons. Psychopharmacology, 1975, 41, 127-132.	3.1	15
105	Behavioral effects of the putative anxiolytic (Â±)-1-(2,5-dimethoxy-4-ethylthiophenyl)-2-aminopropane (ALEPH-2) in rats and mice. Pharmacology Biochemistry and Behavior, 1996, 54, 355-361.	2.9	15
106	Absence of amnestic effect of an anxiolytic 5-HT3 antagonist (BRL 46470A) injected into basolateral amygdala, as opposed to diazepam. Behavioural Brain Research, 1993, 59, 141-145.	2.2	14
107	Associative learning and latent inhibition in a conditioned suppression paradigm in humans. Behavioural Brain Research, 2000, 117, 53-60.	2.2	14
108	Effect of escitalopram on the processing of emotional faces. Brazilian Journal of Medical and Biological Research, 2010, 43, 285-289.	1.5	14

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109	New Findings on the Neurotransmitter Modulation of Defense in the Dorsal Periaqueductal Gray. CNS and Neurological Disorders - Drug Targets, 2015, 14, 988-995.	1.4	14
110	Clinical implication of microdialysis findings. Trends in Pharmacological Sciences, 1993, 14, 263.	8.7	13
111	The size and prevalence of the cavum septum pellucidum are normal in subjects with panic disorder. Brazilian Journal of Medical and Biological Research, 2004, 37, 371-374.	1.5	13
112	5-HT and mechanisms of defence. Author's response. Journal of Psychopharmacology, 1991, 5, 339-341.	4.0	12
113	Effect of tryptamine antagonists on self-stimulation. Psychopharmacology, 1977, 52, 87-92.	3.1	11
114	Bilateral ablation of the auditory cortex in the rat alters conditioned emotional suppression to a sound as appraised through a latent inhibition study. Behavioural Brain Research, 1997, 88, 59-65.	2.2	11
115	Involvement of the midbrain periaqueductal gray 5-HT1A receptors in social conflict induced analgesia in mice. European Journal of Pharmacology, 1998, 345, 253-256.	3.5	11
116	Comparison between two models of experimental anxiety in healthy volunteers and panic disorder patients. Neuroscience and Biobehavioral Reviews, 2001, 25, 753-759.	6.1	10
117	Potentiation of the cerebral vascular action of bradykinin by the â€˜bradykinin potentiating factorâ€™ (BPF) in the dog. Experientia, 1965, 21, 607-608.	1.2	9
118	High Intensity Social Conflict in the Swiss Albino Mouse Induces Analgesia Modulated by 5-HT1A Receptors. Pharmacology Biochemistry and Behavior, 1997, 56, 481-486.	2.9	9
119	The response of social anxiety disorder patients to threat scenarios differs from that of healthy controls. Brazilian Journal of Medical and Biological Research, 2011, 44, 1261-1268.	1.5	8
120	The role of dopamine in motor excitation of mice induced by brain catecholamine releasers. Journal of Pharmacy and Pharmacology, 2011, 18, 627-628.	2.4	8
121	Minor tranquilizers and brain defense systems. Brazilian Journal of Medical and Biological Research, 1981, 14, 239-65.	1.5	8
122	Role played by the adenylcyclase-cAMP system of the rat septal area on Na+, K+ and water renal excretion. Pharmacology Biochemistry and Behavior, 1977, 7, 93-97.	2.9	4
123	5-Hydroxytryptamine, aversion, and anxiety. Behavioral and Brain Sciences, 1986, 9, 339-340.	0.7	4
124	Serotonergic mediation of the anxiolytic effect of intracerebrally injected propranolol measured in the elevated plus-maze. Brazilian Journal of Medical and Biological Research, 1989, 22, 699-701.	1.5	4
125	Effect of amphetamine on nondiscriminated key-pecking avoidance in pigeons. Psychopharmacology, 1979, 61, 91-96.	3.1	1
126	Effect of d -fenfluramine on human experimental anxiety. Psychopharmacology, 1996, 127, 276-282.	3.1	1

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127	Early malnutrition alters the effect of chlordiazepoxide on inhibitory avoidance. Brazilian Journal of Medical and Biological Research, 1988, 21, 1033-6.	1.5	1