Norberto C Coimbra

List of Publications by Year
in descending order

183 papers	4,484 citations	87888 38 h-index	149698 56 g-index
210 all docs	210 docs citations	210 times ranked	2557 citing authors

#	Article	IF	Citations
1	Neural substrate of defensive behavior in the midbrain tectum. Neuroscience and Biobehavioral Reviews, 1994, 18, 339-346.	6.1	151
2	Defense reaction induced by microinjections of bicuculline into the inferior colliculus. Physiology and Behavior, 1988, 44, 361-365.	2.1	109
3	Neuroanatomical approaches of the tectum-reticular pathways and immunohistochemical evidence for serotonin-positive perikarya on neuronal substrates of the superior colliculus and periaqueductal gray matter involved in the elaboration of the defensive behavior and fear-induced analgesia. Experimental Neurology, 2006, 197, 93-112.	4.1	101
4	GABAergic nigro-collicular pathways modulate the defensive behaviour elicited by midbrain tectum stimulation. Behavioural Brain Research, 1993, 59, 131-139.	2.2	94
5	Lipopolysaccharideâ€Induced Sickness Behaviour Evaluated in Different Models of Anxiety and Innate Fear in Rats. Basic and Clinical Pharmacology and Toxicology, 2012, 110, 359-369.	2.5	87
6	Effects of 5-HT2 receptors blockade on fear-induced analgesia elicited by electrical stimulation of the deep layers of the superior colliculus and dorsal periaqueductal gray. Behavioural Brain Research, 1997, 87, 97-103.	2.2	86
7	Neuroanatomical and psychopharmacological evidence for interaction between opioid and GABAergic neural pathways in the modulation of fear and defense elicited by electrical and chemical stimulation of the deep layers of the superior colliculus and dorsal periaqueductal gray matter. Neuropharmacology, 2002, 42, 48-59.	4.1	85
8	Effects of lesions of amygdaloid nuclei and substantia nigra on aversive responses induced by electrical stimulation of the inferior colliculus. Brain Research Bulletin, 1996, 40, 93-98.	3.0	84
9	Defensive reactions evoked by activation of NMDA receptors in distinct sites of the inferior colliculus. Behavioural Brain Research, 1994, 63, 17-24.	2.2	79
10	Effects of acute and chronic fluoxetine and diazepam on freezing behavior induced by electrical stimulation of dorsolateral and lateral columns of the periaqueductal gray matter. Pharmacology Biochemistry and Behavior, 2004, 77, 557-566.	2.9	79
11	Anti-Aversive Effects of Cannabidiol on Innate Fear-Induced Behaviors Evoked by an Ethological Model of Panic Attacks Based on a Prey vs the Wild Snake Epicrates cenchria crassus Confrontation Paradigm. Neuropsychopharmacology, 2012, 37, 412-421.	5.4	77
12	Purification of a neuroprotective component of Parawixia bistriata spider venom that enhances glutamate uptake. British Journal of Pharmacology, 2003, 139, 1297-1309.	5.4	70
13	Thermoeffector neuronal pathways in fever: a study in rats showing a new role of the locus coeruleus. Journal of Physiology, 2004, 558, 283-294.	2.9	68
14	Pharmacological and Biochemical Aspects of GABAergic Neurotransmission: Pathological and Neuropsychobiological Relationships. Cellular and Molecular Neurobiology, 2004, 24, 707-728.	3.3	66
15	Evidence for the involvement of serotonin in the antinociception induced by electrical or chemical stimulation of the mesencephalic tectum. Behavioural Brain Research, 1992, 50, 77-83.	2.2	64
16	The cholinergic stimulation of the central amygdala modifying the tonic immobility response and antinociception in guinea pigs depends on the ventrolateral periaqueductal gray. Brain Research Bulletin, 2003, 60, 167-178.	3.0	64
17	Topographic and functional neuroanatomical study of GABAergic disinhibitory striatumâ€“nigral inputs and inhibitory nigrocollicular pathways: Neural hodology recruiting the substantia nigra, pars reticulata, for the modulation of the neural activity in the inferior colliculus involved with panic-like emotions. Journal of Chemical Neuroanatomy, 2006, 32, 1-27.	2.1	64
18	Changes in the auditory-evoked potentials induced by fear-evoking stimulations. Physiology and Behavior, 2001, 72, 365-372.	2.1	63

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19	Sucrose ingestion causes opioid analgesia. Brazilian Journal of Medical and Biological Research, 1997, 30, 981-984.	1.5	59
20	Fos-like immunoreactivity in the brain associated with freezing or escape induced by inhibition of either glutamic acid decarboxylase or GABAA receptors in the dorsal periaqueductal gray. Brain Research, 2005, 1051, 100-111.	2.2	59
21	Differential involvement of dorsal raphe subnuclei in the regulation of anxiety- and panic-related defensive behaviors. Neuroscience, 2012, 227, 350-360.	2.3	59
22	Effect of the blockade of ?1-opioid and 5HT2A-serotonergic/?1-noradrenergic receptors on sweet-substance-induced analgesia. Psychopharmacology, 2005, 179, 349-355.	3.1	57
23	Intrinsic neural circuits between dorsal midbrain neurons that control fear-induced responses and seizure activity and nuclei of the pain inhibitory system elaborating postictal antinociceptive processes: a functional neuroanatomical and neuropharmacological study. Experimental Neurology, 2005, 191, 225-242.	4.1	56
24	Neuroanatomical and neuropharmacological study of opioid pathways in the mesencephalic tectum: effect of Î¼1- and Îº-opioid receptor blockade on escape behavior induced by electrical stimulation of the inferior colliculus. Brain Research, 2003, 992, 179-192.	2.2	55
25	Effects of morphine and midazolam on reactivity to peripheral noxious and central aversive stimuli. Neuroscience and Biobehavioral Reviews, 1990, 14, 495-499.	6.1	53
26	Post-ictal analgesia: involvement of opioid, serotoninergic and cholinergic mechanisms. Brain Research, 2001, 888, 314-320.	2.2	51
27	Relevance of dorsomedial hypothalamus, dorsomedial division of the ventromedial hypothalamus and the dorsal periaqueductal gray matter in the organization of freezing or oriented and non-oriented escape emotional behaviors. Behavioural Brain Research, 2015, 293, 143-152.	2.2	51
28	Functional and ultrastructural neuroanatomy of interactive intratectal/tectonigral mesencephalic opioid inhibitory links and nigrotectal GABAergic pathways: Involvement of GABAA and Î¼1-opioid receptors in the modulation of panic-like reactions elicited by electrical stimulation of the dorsal midbrain. Journal of Chemical Neuroanatomy, 2005, 30, 184-200.	2.1	49
29	The role of 5-HT_{1A} receptors in the anti-aversive effects of cannabidiol on panic attack-like behaviors evoked in the presence of the wild snake <i>Epicrates cenchria crassus</i> (Reptilia, Boidae). Journal of Psychopharmacology, 2013, 27, 1149-1159.	4.0	49
30	Recruitment of striatonigral disinhibitory and nigrotectal inhibitory <scp>GABA</scp>ergic pathways during the organization of defensive behavior by mice in a dangerous environment with the venomous snake <scp><i>B</i></scp><i>othrops alternatus</i> (<scp><i>R</i></scp><i>eptilia</i>,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 292 Td	1.2	47
31	A comparative study of the effects of morphine in the dorsal periaqueductal gray and nucleus accumbens of rats submitted to the elevated plus-maze test. Experimental Brain Research, 1999, 129, 260-268.	1.5	43
32	Anxiogenic effect of median raphe nucleus lesion in stressed rats. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2002, 26, 1135-1141.	4.8	43
33	GABAA receptor blockade in dorsomedial and ventromedial nuclei of the hypothalamus evokes panic-like elaborated defensive behaviour followed by innate fear-induced antinociception. Brain Research, 2009, 1305, 118-131.	2.2	43
34	Descriptive and functional neuroanatomy of locus coeruleus-noradrenaline-containing neurons involvement in bradykinin-induced antinociception on principal sensory trigeminal nucleus. Journal of Chemical Neuroanatomy, 2006, 32, 28-45.	2.1	42
35	Inhibition of acute nociceptive responses in rats after i.c.v. injection of Thr6 -bradykinin, isolated from the venom of the social wasp, Polybia occidentalis. British Journal of Pharmacology, 2007, 151, 860-869.	5.4	42
36	Anatomical and clinical implications of vagal modulation of the spleen. Neuroscience and Biobehavioral Reviews, 2020, 112, 363-373.	6.1	42

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37	Effects of opioid receptor blockade on defensive behavior elicited by electrical stimulation of the aversive substrates of the inferior colliculus in Rattus norvegicus (Rodentia , Muridae). Psychopharmacology, 2000, 152, 422-430.	3.1	41
38	Serotonergic neural links from the dorsal raphe nucleus modulate defensive behaviours organised by the dorsomedial hypothalamus and the elaboration of fear-induced antinociception via locus coeruleus pathways. Neuropharmacology, 2013, 67, 379-394.	4.1	41
39	Involvement of prelimbic medial prefrontal cortex in panic-like elaborated defensive behaviour and innate fear-induced antinociception elicited by GABAA receptor blockade in the dorsomedial and ventromedial hypothalamic nuclei: role of the endocannabinoid CB1 receptor. International Journal of Neuropsychopharmacology, 2013, 16, 1781-1798.	2.1	41
40	Cellular prion protein modulates defensive attention and innate fear-induced behaviour evoked in transgenic mice submitted to an agonistic encounter with the tropical coral snake Oxyrhopus guibei. Behavioural Brain Research, 2008, 194, 129-137.	2.2	40
41	Cooperative regulation of anxiety and panic-related defensive behaviors in the rat periaqueductal grey matter by 5-HT_{1A} and Âµ-receptors. Journal of Psychopharmacology, 2013, 27, 1141-1148.	4.0	38
42	Endocannabinoid signaling mechanisms in the substantia nigra pars reticulata modulate GABAergic nigrotectal pathways in mice threatened by urutu-cruzeiro venomous pit viper. Neuroscience, 2015, 303, 503-514.	2.3	38
43	Medial prefrontal cortex serotonergic and GABAergic mechanisms modulate the expression of contextual fear: Intratelencephalic pathways and differential involvement of cortical subregions. Neuroscience, 2015, 284, 988-997.	2.3	38
44	Opioid neurotransmission in the post-ictal analgesia: Involvement of Î¼1-opioid receptor. Brain Research, 2001, 903, 216-221.	2.2	37
45	Glutamatergic neurotransmission mediated by NMDA receptors in the inferior colliculus can modulate haloperidol-induced catalepsy. Brain Research, 2010, 1349, 41-47.	2.2	37
46	Opioid neurotransmission modulates defensive behavior and fear-induced antinociception in dangerous environments. Neuroscience, 2017, 354, 178-195.	2.3	37
47	NMDA and AMPA/Kainate Glutamatergic Receptors in the Prelimbic Medial Prefrontal Cortex Modulate the Elaborated Defensive Behavior and Innate Fear-Induced Antinociception Elicited by GABAA Receptor Blockade in the Medial Hypothalamus. Cerebral Cortex, 2014, 24, 1518-1528.	2.9	36
48	Unravelling cortico-hypothalamic pathways regulating unconditioned fear-induced antinociception and defensive behaviours. Neuropharmacology, 2017, 113, 367-385.	4.1	36
49	The Rodent-versus-wild Snake Paradigm as a Model for Studying Anxiety- and Panic-like Behaviors: Face, Construct and Predictive Validities. Neuroscience, 2018, 369, 336-349.	2.3	36
50	Serotonergic neurotransmission in the dorsal raphe nucleus recruits in situ 5-HT2A/2C receptors to modulate the post-ictal antinociception. Experimental Neurology, 2008, 213, 410-418.	4.1	35
51	Antinociception induced by acute oral administration of sweet substance in young and adult rodents: The role of endogenous opioid peptides chemical mediators and Î¼1-opioid receptors. Pharmacology Biochemistry and Behavior, 2012, 101, 265-270.	2.9	35
52	CB1 cannabinoid receptor-mediated anandamide signalling reduces the defensive behaviour evoked through GABAA receptor blockade inÂthe dorsomedial division of the ventromedial hypothalamus. Neuropharmacology, 2017, 113, 156-166.	4.1	35
53	Critical neuropsychobiological analysis of panic attack- and anticipatory anxiety-like behaviors in rodents confronted with snakes in polygonal arenas and complex labyrinths: a comparison to the elevated plus- and T-maze behavioral tests. Revista Brasileira De Psiquiatria, 2017, 39, 72-83.	1.7	35
54	5-HT1A/1B, 5-HT6, and 5-HT7 serotonergic receptors recruitment in tonic-clonic seizure-induced antinociception: Role of dorsal raphe nucleus. Experimental Neurology, 2009, 217, 16-24.	4.1	33

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55	The nucleus raphe magnus modulates hypoxia-induced hyperventilation but not anapyrexia in rats. Neuroscience Letters, 2003, 347, 121-125.	2.1	32
56	Effects of the blockade of opioid receptor on defensive reactions elicited by electrical stimulation within the deep layers of the superior colliculus and DPAG. Brain Research, 1996, 736, 348-352.	2.2	30
57	Pharmacological and neuroanatomical evidence for the involvement of the anterior pretectal nucleus in the antinociception induced by stimulation of the dorsal raphe nucleus in rats. Pain, 1998, 74, 171-179.	4.2	30
58	Characterization of the sensory, affective, cognitive, biochemical, and neuronal alterations in a modified chronic constriction injury model of neuropathic pain in mice. Journal of Neuroscience Research, 2020, 98, 338-352.	2.9	30
59	Defensive behaviors and brain regional activation changes in rats confronting a snake. Behavioural Brain Research, 2020, 381, 112469.	2.2	30
60	Involvement of 5-HT2 serotonergic receptors of the nucleus raphe magnus and nucleus reticularis gigantocellularis/paragigantocellularis complex neural networks in the antinociceptive phenomenon that follows the post-ictal immobility syndrome. Experimental Neurology, 2006, 201, 144-153.	4.1	29
61	Neuroethological validation of an experimental apparatus to evaluate oriented and non-oriented escape behaviours: Comparison between the polygonal arena with a burrow and the circular enclosure of an open-field test. Behavioural Brain Research, 2016, 298, 65-77.	2.2	29
62	Connexions between the dorsomedial division of the ventromedial hypothalamus and the dorsal periaqueductal grey matter are critical in the elaboration of hypothalamically mediated panic-like behaviour. Behavioural Brain Research, 2017, 319, 135-147.	2.2	29
63	Stimulation of the Nigrotectal Pathway at the Level of the Superior Colliculus Reduces Threat Recognition and Causes a Shift From Avoidance to Approach Behavior. Frontiers in Neural Circuits, 2018, 12, 36.	2.8	29
64	The role of dorsomedial and ventrolateral columns of the periaqueductal gray matter and in situ 5-HT_{2A}and 5-HT_{2C}serotonergic receptors in post-ictal antinociception. Synapse, 2014, 68, 16-30.	1.2	28
65	Role of muscarinic and nicotinic cholinergic receptors in an experimental model of epilepsy-induced analgesia. Pharmacology Biochemistry and Behavior, 2004, 79, 367-376.	2.9	27
66	5-Hydroxytryptamine 1A receptors in the dorsomedial hypothalamus connected to dorsal raphe nucleus inputs modulate defensive behaviours and mediate innate fear-induced antinociception. European Neuropsychopharmacology, 2016, 26, 532-545.	0.7	27
67	Understanding the role of dopamine in conditioned and unconditioned fear. Reviews in the Neurosciences, 2019, 30, 325-337.	2.9	26
68	Cellular prion protein regulates the motor behaviour performance and anxiety-induced responses in genetically modified mice. Behavioural Brain Research, 2007, 183, 87-94.	2.2	25
69	Innate defensive behaviour and panic-like reactions evoked by rodents during aggressive encounters with Brazilian constrictor snakes in a complex labyrinth: Behavioural validation of a new model to study affective and agonistic reactions in a prey versus predator paradigm. Journal of Neuroscience Methods, 2007, 165, 25-37.	2.5	25
70	5-Hydroxytryptamine 2A/2C receptors of nucleus raphe magnus and gigantocellularis/paragigantocellularis pars Î± reticular nuclei modulate the unconditioned fear-induced antinociception evoked by electrical stimulation of deep layers of the superior colliculus and dorsal periaqueductal grey matter. Behavioural Brain Research, 2017, 316, 294-304.	2.2	25
71	Cannabidiol in the prelimbic cortex modulates the comorbid condition between the chronic neuropathic pain and depression-like behaviour in rats: The role of medial prefrontal cortex 5-HT1A and CB1 receptors. Brain Research Bulletin, 2021, 174, 323-338.	3.0	25
72	Dissociation between the panicolytic effect of cannabidiol microinjected into the substantia nigra, pars reticulata, and fear-induced antinociception elicited by bicuculline administration in deep layers of the superior colliculus: The role of CB1-cannabinoid receptor in the ventral mesencephalon. European Journal of Pharmacology, 2015, 758, 153-163.	3.5	24

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73	N-methyl-d-aspartate Receptors in the Prelimbic Cortex are Critical for the Maintenance of Neuropathic Pain. Neurochemical Research, 2019, 44, 2068-2080.	3.3	24
74	Effects of microinjections of neurotoxin AvTx8, isolated from the social wasp Agelaia vicina (Hymenoptera, Vespidae) venom, on GABAergic nigrotectal pathways. Brain Research, 2005, 1031, 74-81.	2.2	23
75	Panic-like defensive behavior but not fear-induced antinociception is differently organized by dorsomedial and posterior hypothalamic nuclei of Rattus norvegicus (Rodentia, Muridae). Brazilian Journal of Medical and Biological Research, 2012, 45, 328-336.	1.5	23
76	Periaqueductal gray matter modulates the hypercapnic ventilatory response. Pflugers Archiv European Journal of Physiology, 2012, 464, 155-166.	2.8	23
77	Opposing roles of dorsomedial hypothalamic CB1 and TRPV1 receptors in anandamide signaling during the panic-like response elicited in mice by Brazilian rainbow Boidae snakes. Psychopharmacology, 2019, 236, 1863-1874.	3.1	21
78	Decrease in NMDA receptor-signalling activity in the anterior cingulate cortex diminishes defensive behaviour and unconditioned fear-induced antinociception elicited by GABAergic tonic inhibition impairment in the posterior hypothalamus. European Neuropsychopharmacology, 2017, 27, 1120-1131.	0.7	20
79	Pharmacological evidence for the mediation of the panicolytic effect of fluoxetine by dorsal periaqueductal gray matter Î¼-opioid receptors. Neuropharmacology, 2015, 99, 620-626.	4.1	19
80	Chemical lesions of the nucleus isthmi increase the hypoxic and hypercarbic drive to breathing of toads. Respiratory Physiology and Neurobiology, 2002, 132, 289-299.	1.6	18
81	Interactions between opioid-peptides-containing pathways and GABAA-receptors-mediated systems modulate panic-like-induced behaviors elicited by electric and chemical stimulation of the inferior colliculus. Brain Research, 2006, 1104, 92-102.	2.2	18
82	Paradoxical effect of noradrenaline-mediated neurotransmission in the antinociceptive phenomenon that accompanies tonicâ€“clonic seizures: Role of locus coeruleus neurons and Î±2- and Î²-noradrenergic receptors. Epilepsy and Behavior, 2011, 22, 165-177.	1.7	18
83	Endogenous opioid peptide-mediated neurotransmission in central and pericentral nuclei of the inferior colliculus recruits Î¼1-opioid receptor to modulate post-ictal antinociception. Neuropeptides, 2012, 46, 39-47.	2.2	17
84	Neuropathology and behavioral impairments after bilateral global ischemia surgery and exposure to static magnetic field: Evidence in the motor cortex, the hippocampal CA1 region and the neostriatum. International Journal of Radiation Biology, 2013, 89, 595-601.	1.8	17
85	Neuroanatomical and neuropharmacological approaches to postictal antinociceptionâ€related prosencephalic neurons: the role of muscarinic and nicotinic cholinergic receptors. Brain and Behavior, 2013, 3, 286-301.	2.2	17
86	Âµ- and Îº-Opioid receptor activation in the dorsal periaqueductal grey matter differentially modulates panic-like behaviours induced by electrical and chemical stimulation of the inferior colliculus. Brain Research, 2015, 1597, 168-179.	2.2	17
87	The endogenous opioid system modulates defensive behavior evoked by <i>Crotalus durissus terrificus</i>: Panicolytic-like effect of intracollicular non-selective opioid receptors blockade. Journal of Psychopharmacology, 2019, 33, 51-61.	4.0	17
88	Dorsal raphe nucleus and locus coeruleus neural networks and the elaboration of the sweet-substance-induced antinociception. Neuroscience Letters, 2006, 395, 12-17.	2.1	16
89	Influence of treadmill training on motor performance and organization of exploratory behavior in Meriones unguiculatus with unilateral ischemic stroke: Histological correlates in hippocampal CA1 region and the neostriatum. Neuroscience Letters, 2008, 431, 179-183.	2.1	16
90	Acetylcholine-mediated neurotransmission within the nucleus raphe magnus exerts a key role in the organization of both interictal and postictal antinociception. Epilepsy and Behavior, 2011, 22, 178-185.	1.7	16

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91	Effect of a nanostructured dendrimer-naloxonazine complex on endogenous opioid peptides Î¼1 receptor-mediated post-ictal antinociception. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 871-880.	3.3	16
92	Chemical neuroanatomical and psychopharmacological evidence that Îº receptor-mediated endogenous opioid peptide neurotransmission in the dorsal and ventral mesencephalon modulates panic-like behaviour. European Journal of Pharmacology, 2013, 698, 235-245.	3.5	16
93	The Nitric Oxide Donor SIN-1-Produced Panic-Like Behaviour And Fear-Induced Antinociception Are Modulated By NMDA Receptors In The Anterior Hypothalamus. Journal of Psychopharmacology, 2018, 32, 711-722.	4.0	16
94	5-Hydroxytryptamine 2A receptors of the dorsal raphe nucleus modulate panic-like behaviours and mediate fear-induced antinociception elicited by neuronal activation in the central nucleus of the inferior colliculus. Behavioural Brain Research, 2019, 357-358, 71-81.	2.2	16
95	CB1-cannabinoid-, TRPV1-vanilloid- and NMDA-glutamatergic-receptor-signalling systems interact in the prelimbic cerebral cortex to control neuropathic pain symptoms. Brain Research Bulletin, 2020, 165, 118-128.	3.0	16
96	An Adapted Chronic Constriction Injury of the Sciatic Nerve Produces Sensory, Affective, and Cognitive Impairments: A Peripheral Mononeuropathy Model for the Study of Comorbid Neuropsychiatric Disorders Associated with Neuropathic Pain in Rats. Pain Medicine, 2021, 22, 338-351.	1.9	16
97	Psychopharmacological evidences for the involvement of muscarinic and nicotinic cholinergic receptors on sweet substance-induced analgesia in Rattus norvegicus. Neuroscience Letters, 2001, 305, 115-118.	2.1	15
98	Neuropathology and behavioral impairments after three types of global ischemia surgery in Meriones unguiculatus: Evidence in motor cortex, hippocampal CA1 region and the neostriatum. Journal of the Neurological Sciences, 2012, 312, 73-78.	0.6	15
99	Graphene oxide prevents lateral amygdala dysfunctional synaptic plasticity and reverts long lasting anxiety behavior in rats. Biomaterials, 2021, 271, 120749.	11.4	15
100	Effects of N-methyl-?-aspartate-induced amygdala lesion in rats submitted to the elevated T-maze test of anxiety. Physiology and Behavior, 2003, 78, 157-163.	2.1	14
101	Âµ₁-Opioid receptors in the dorsomedial and ventrolateral columns of the periaqueductal grey matter are critical for the enhancement of post-ictal antinociception. Synapse, 2016, 70, 519-530.	1.2	14
102	Panicolytic-like effect of Âµ₁-opioid receptor blockade in the inferior colliculus of prey threatened by <i>Crotalus durissus terrificus</i> pit vipers. Journal of Psychopharmacology, 2019, 33, 577-588.	4.0	14
103	Involvement of pre- and post-synaptic serotonergic receptors of dorsal raphe nucleus neural network in the control of the sweet-substance-induced analgesia in adult Rattus norvegicus (Rodentia, Muridae). Neuroscience Letters, 2005, 379, 169-173.	2.1	13
104	Cannabidiol and endogenous opioid peptide-mediated mechanisms modulate antinociception induced by transcutaneous electrostimulation of the peripheral nervous system. Journal of the Neurological Sciences, 2014, 347, 82-89.	0.6	13
105	CB1 cannabinoid receptor-mediated anandamide signaling mechanisms of the inferior colliculus modulate the haloperidol-induced catalepsy. Neuroscience, 2016, 337, 17-26.	2.3	13
106	Brain Stimulation Differentially Modulates Nociception and Inflammation in Aversive and Non-aversive Behavioral Conditions. Neuroscience, 2018, 383, 191-204.	2.3	13
107	The modulation of striatonigral and nigrotectal pathways by CB1 signalling in the substantia nigra pars reticulata regulates panic elicited in mice by urutu-cruzeiro lancehead pit vipers. Behavioural Brain Research, 2021, 401, 112996.	2.2	13
108	Anandamide in the anterior hypothalamus diminishes defensive responses elicited in mice threatened by Epicrates cenchria constrictor serpents. Acta Neurobiologiae Experimentalis, 2020, 80, 179-191.	0.7	13

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109	Effect of chronic intake of sweet substance on nociceptive thresholds and feeding behavior of Rattus norvegicus (Rodentia, Muridae). Nutritional Neuroscience, 2005, 8, 129-140.	3.1	12
110	Panicolytic-like effects caused by substantia nigra pars reticulata pretreatment with low doses of endomorphin-1 and high doses of CTOP or the NOP receptors antagonist JTC-801 in male Rattus norvegicus. Psychopharmacology, 2017, 234, 3009-3025.	3.1	12
111	Restricted lesions of the ventrolateral or dorsal columns of the periaqueductal gray promotes distinct effects on tonic immobility and defensive analgesia in guinea pigs. Physiology and Behavior, 2018, 194, 538-544.	2.1	12
112	Rostral ventromedial medulla modulates nociception and tonic immobility behavior through connections with the A7 catecholaminergic region. Behavioural Brain Research, 2012, 233, 422-427.	2.2	11
113	Intrinsic connections within the pedunculopontine tegmental nucleus are critical to the elaboration of postâ€ictal antinociception. Synapse, 2014, 68, 369-377.	1.2	11
114	The Î¼1-opioid receptor and 5-HT2A- and 5HT2C-serotonergic receptors of the locus coeruleus are critical in elaborating hypoalgesia induced by tonic and tonicâ€“clonic seizures. Neuroscience, 2016, 336, 133-145.	2.3	11
115	Repeated exposure of naÃ¯ve and peripheral nerve-injured mice to a snake as an experimental model of post-traumatic stress disorder and its co-morbidity with neuropathic pain. Brain Research, 2020, 1744, 146907.	2.2	11
116	Nitric oxide-mediated defensive and antinociceptive responses organised at the anterior hypothalamus of mice are modulated by glutamatergic inputs from area 24b of the cingulate cortex. Journal of Psychopharmacology, 2021, 35, 78-90.	4.0	11
117	Mitochondrial Photobiomodulation as a Neurotherapeutic Strategy for Epilepsy. Frontiers in Neurology, 0, 13, .	2.4	11
118	Cataleptic activity of the denatured venom of the social wasp Agelaia vicina (Hymenoptera, Vespidae) in Rattus norvegicus (Rodentia, Muridae). Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2006, 30, 198-203.	4.8	9
119	Cortical thinning of the right anterior cingulate cortex in spider phobia: A magnetic resonance imaging and spectroscopy study. Brain Research, 2014, 1576, 35-42.	2.2	9
120	Panicâ€like responses of female Wistar rats confronted by <scp><i>Bothrops alternatus</i></scp> pit vipers, or exposure to acute hypoxia: Effect of oestrous cycle. European Journal of Neuroscience, 2022, 55, 32-48.	2.6	9
121	Cannabidiol-induced panicolytic-like effects and fear-induced antinociception impairment: the role of the CB1 receptor in the ventromedial hypothalamus. Psychopharmacology, 2020, 237, 1063-1079.	3.1	8
122	The activation of D2-like receptors by intranasal dopamine facilitates the extinction of contextual fear and prevents conditioned fear-induced antinociception. Behavioural Brain Research, 2022, 417, 113611.	2.2	8
123	The primary motor cortex electrical and chemical stimulation attenuates the chronic neuropathic pain by activation of the periaqueductal grey matter: The role of NMDA receptors. Behavioural Brain Research, 2021, 415, 113522.	2.2	8
124	Rostral ventromedial medulla connections in Cavia porcellus and their relation with tonic immobility defensive behavior: A biotinylated dextran amine neurotracing study. Neuroscience Letters, 2013, 535, 116-121.	2.1	7
125	Î¼-Opioid and 5-HT1A receptors in the dorsomedial hypothalamus interact for the regulation of panic-related defensive responses. Journal of Psychopharmacology, 2017, 31, 715-721.	4.0	7
126	New Ethological and Morphological Perspectives for the Investigation of Panicolytic-Like Effects of Cannabidiol. , 2017, , e140-e149.		7

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127	Neurotoxic lesions of the pedunculopontine tegmental nucleus impair the elaboration of postictal antinociception. Physiology and Behavior, 2018, 194, 162-169.	2.1	7
128	Blockade of synaptic activity in the neostriatum and activation of striatal efferent pathways produce opposite effects on panic attack-like defensive behaviours evoked by GABAergic disinhibition in the deep layers of the superior colliculus. Physiology and Behavior, 2018, 196, 104-111.	2.1	7
129	A new model of experimental hemispherotomy in young adult Rattus norvegicus: a neural tract tracing and SPECT in vivo study. Journal of Neurosurgery, 2019, 130, 1210-1223.	1.6	7
130	Intranasal dopamine attenuates fear responses induced by electric shock to the foot and by electrical stimulation of the dorsal periaqueductal gray matter. Journal of Psychopharmacology, 2019, 33, 1524-1532.	4.0	7
131	The Primary Motor Cortex Stimulation Attenuates Cold Allodynia in a Chronic Peripheral Neuropathic Pain Condition in <i>Rattus norvegicus</i>. World Journal of Neuroscience, 2019, 09, 138-152.	0.1	7
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