Francisco Guimaraes

List of Publications by Citations

342 papers	13,995 citations	64 h-index	99 g-index
381 ext. papers	16,022 ext. citations	4.3 avg, IF	6.71 L-index

#	Paper	IF	Citations
342	Role of 5-HT in stress, anxiety, and depression. *Pharmacology Biochemistry and Behavior*, **1996**, 54, 129-41	3.9	734
341	Cannabidiol, a Cannabis sativa constituent, as an antipsychotic drug. *Brazilian Journal of Medical and Biological Research*, **2006**, 39, 421-9	2.8	283
340	Multiple mechanisms involved in the large-spectrum therapeutic potential of cannabidiol in psychiatric disorders. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 3364-78	5.8	236
339	Effects of ipsapirone and cannabidiol on human experimental anxiety. *Journal of Psychopharmacology*, **1993**, 7, 82-8	4.6	231
338	Antianxiety effect of cannabidiol in the elevated plus-maze. *Psychopharmacology*, **1990**, 100, 558-9	4.7	227
337	Antidepressant-like effects of cannabidiol in mice: possible involvement of 5-HT1A receptors. *British Journal of Pharmacology*, **2010**, 159, 122-8	8.6	220
336	Animal models of anxiety disorders and stress. *Revista Brasileira De Psiquiatria*, **2013**, 35 Suppl 2, S101-11	2.6	213
335	Involvement of 5HT1A receptors in the anxiolytic-like effects of cannabidiol injected into the dorsolateral periaqueductal gray of rats. *Psychopharmacology*, **2008**, 199, 223-30	4.7	206
334	Cannabidiol, neuroprotection and neuropsychiatric disorders. *Pharmacological Research*, **2016**, 112, 119-27	10.2	202
333	5-HT1A receptors are involved in the cannabidiol-induced attenuation of behavioural and cardiovascular responses to acute restraint stress in rats. *British Journal of Pharmacology*, **2009**, 156, 181-8	8.6	171
332	The anxiolytic effect of cannabidiol on chronically stressed mice depends on hippocampal neurogenesis: involvement of the endocannabinoid system. *International Journal of Neuropsychopharmacology*, **2013**, 16, 1407-19	5.8	168
331	Antipsychotic effect of cannabidiol. *Journal of Clinical Psychiatry*, **1995**, 56, 485-6	4.6	166
330	Inhibition of neuronal nitric oxide synthase in the rat hippocampus induces antidepressant-like effects. *Psychopharmacology*, **2006**, 185, 298-305	4.7	151
329	A critical review of the antipsychotic effects of cannabidiol: 30 years of a translational investigation. *Current Pharmaceutical Design*, **2012**, 18, 5131-40	3.3	144
328	Cannabidiol inhibits the hyperlocomotion induced by psychotomimetic drugs in mice. *European Journal of Pharmacology*, **2005**, 512, 199-205	5.3	138
327	Anxiolytic-like effect of cannabidiol in the rat Vogel conflict test. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2006**, 30, 1466-71	5.5	137
326	Anxiolytic-like effect of cannabinoids injected into the rat dorsolateral periaqueductal gray. *Neuropharmacology*, **2007**, 52, 958-65	5.5	126

325	Anxiolytic effect in the elevated plus-maze of the NMDA receptor antagonist AP7 microinjected into the dorsal periaqueductal grey. *Psychopharmacology*, **1991**, 103, 91-4	4.7	125
324	Inverted U-Shaped Dose-Response Curve of the Anxiolytic Effect of Cannabidiol during Public Speaking in Real Life. *Frontiers in Pharmacology*, **2017**, 8, 259	5.6	124
323	The anxiolytic-like effects of cannabidiol injected into the bed nucleus of the stria terminalis are mediated by 5-HT1A receptors. *Psychopharmacology*, **2011**, 213, 465-73	4.7	119
322	Effects of cannabidiol and diazepam on behavioral and cardiovascular responses induced by contextual conditioned fear in rats. *Behavioural Brain Research*, **2006**, 172, 294-8	3.4	116
321	Translational Investigation of the Therapeutic Potential of Cannabidiol (CBD): Toward a New Age. *Frontiers in Immunology*, **2018**, 9, 2009	8.4	116
320	Regional gray matter abnormalities in panic disorder: a voxel-based morphometry study. *Psychiatry Research - Neuroimaging*, **2008**, 163, 21-9	2.9	114
319	Modulation of stress consequences by hippocampal monoaminergic, glutamatergic and nitrergic neurotransmitter systems. *Stress*, **2007**, 10, 227-49	3	108
318	Role of nitric oxide in brain regions related to defensive reactions. *Neuroscience and Biobehavioral Reviews*, **2005**, 29, 1313-22	9	107
317	On disruption of fear memory by reconsolidation blockade: evidence from cannabidiol treatment. *Neuropsychopharmacology*, **2012**, 37, 2132-42	8.7	103
316	Evidence for a potential role for TRPV1 receptors in the dorsolateral periaqueductal gray in the attenuation of the anxiolytic effects of cannabinoids. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2009**, 33, 1517-21	5.5	102
315	Role of nitric oxide on motor behavior. *Cellular and Molecular Neurobiology*, **2005**, 25, 371-92	4.6	100
314	Antidepressant-like effect induced by systemic and intra-hippocampal administration of DNA methylation inhibitors. *British Journal of Pharmacology*, **2011**, 164, 1711-21	8.6	99
313	Anxiolytic effect of nitric oxide synthase inhibitors microinjected into the dorsal central grey. *NeuroReport*, **1994**, 5, 1929-32	1.7	99
312	Involvement of the prelimbic prefrontal cortex on cannabidiol-induced attenuation of contextual conditioned fear in rats. *Behavioural Brain Research*, **2010**, 207, 105-11	3.4	94
311	The anxiolytic effects of cannabidiol in chronically stressed mice are mediated by the endocannabinoid system: Role of neurogenesis and dendritic remodeling. *Neuropharmacology*, **2018**, 135, 22-33	5.5	93
310	Further evidence that anxiety and memory are regionally dissociated within the hippocampus. *Behavioural Brain Research*, **2006**, 175, 183-8	3.4	93
309	Hippocampal 5-HT receptors and consolidation of stressful memories. *Behavioural Brain Research*, **1993**, 58, 133-9	3.4	91
308	Expression of neuronal nitric oxide synthase in the hippocampal formation in affective disorders. *Brazilian Journal of Medical and Biological Research*, **2008**, 41, 333-41	2.8	90

307	Antidepressant-like effect of cannabidiol injection into the ventral medial prefrontal cortex-Possible involvement of 5-HT1A and CB1 receptors. *Behavioural Brain Research*, **2016**, 303, 218-27	2.4	89
306	Cannabidiol inhibitory effect on marble-burying behaviour: involvement of CB1 receptors. *Behavioural Pharmacology*, **2010**, 21, 353-8	2.4	89
305	Expression of neuronal nitric oxide synthase mRNA in stress-related brain areas after restraint in rats. *Neuroscience Letters*, **2000**, 289, 123-6	3.3	89
304	Effects of intra-prelimbic prefrontal cortex injection of cannabidiol on anxiety-like behavior: involvement of 5HT1A receptors and previous stressful experience. *European Neuropsychopharmacology*, **2014**, 24, 410-9	1.2	88
303	Opposing roles for cannabinoid receptor type-1 (CB1) and transient receptor potential vanilloid type-1 channel (TRPV1) on the modulation of panic-like responses in rats. *Neuropsychopharmacology*, **2012**, 37, 478-86	8.7	87
302	Anxiolytic-like effects induced by acute reversible inactivation of the bed nucleus of stria terminalis. *Neuroscience*, **2008**, 154, 869-76	3.9	86
301	Cannabidiol regulation of emotion and emotional memory processing: relevance for treating anxiety-related and substance abuse disorders. *British Journal of Pharmacology*, **2017**, 174, 3242-3256	8.6	84
300	Nitric oxide-mediated anxiolytic-like and antidepressant-like effects in animal models of anxiety and depression. *Pharmacology Biochemistry and Behavior*, **2008**, 88, 247-55	3.9	84
299	Decreased glial reactivity could be involved in the antipsychotic-like effect of cannabidiol. *Schizophrenia Research*, **2015**, 164, 155-63	3.6	83
298	Restraint-induced hypoactivity in an elevated plus-maze. *Brazilian Journal of Medical and Biological Research*, **2000**, 33, 79-83	2.8	82
297	Endocannabinoid system and psychiatry: in search of a neurobiological basis for detrimental and potential therapeutic effects. *Frontiers in Behavioral Neuroscience*, **2011**, 5, 63	3.5	80
296	Neuroanatomy of anxiety. *Current Topics in Behavioral Neurosciences*, **2010**, 2, 77-96	3.4	80
295	Cannabidiol blocks long-lasting behavioral consequences of predator threat stress: possible involvement of 5HT1A receptors. *Journal of Psychiatric Research*, **2012**, 46, 1501-10	5.2	79
294	Cannabidiol presents an inverted U-shaped dose-response curve in a simulated public speaking test. *Revista Brasileira De Psiquiatria*, **2019**, 41, 9-14	2.6	79
293	Influence of single and repeated cannabidiol administration on emotional behavior and markers of cell proliferation and neurogenesis in non-stressed mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2016**, 64, 27-34	5.5	78
292	Prof. Elisaldo Araújo Carlini, Cannabis and Cannabinoids Research Pioneer (June 9, 1930–September 16, 2020). *Cannabis and Cannabinoid Research*, **2020**, 5, 272-273	4.6	78
291	Plastic and Neuroprotective Mechanisms Involved in the Therapeutic Effects of Cannabidiol in Psychiatric Disorders. *Frontiers in Pharmacology*, **2017**, 8, 269	5.6	78
290	Activation of post-synaptic 5-HT(1A) receptors in the dorsal hippocampus prevents learned helplessness development. *Brain Research*, **2003**, 978, 177-84	3.7	78

289	Cannabinoid type 1 receptors and transient receptor potential vanilloid type 1 channels in fear and anxiety-two sides of one coin?. *Neuroscience*, **2012**, 204, 186-92	3.9	77
288	Cannabidiol decreases bone resorption by inhibiting RANK/RANKL expression and pro-inflammatory cytokines during experimental periodontitis in rats. *International Immunopharmacology*, **2009**, 9, 216-22	5.8	77
287	Effects of acute and chronic fluoxetine treatments on restraint stress-induced Fos expression. *Brain Research Bulletin*, **2001**, 55, 747-54	3.9	77
286	Intra-dorsal periaqueductal gray administration of cannabidiol blocks panic-like response by activating 5-HT1A receptors. *Behavioural Brain Research*, **2010**, 213, 225-9	3.4	75
285	Anxiolytic-like effects induced by blockade of transient receptor potential vanilloid type 1 (TRPV1) channels in the medial prefrontal cortex of rats. *Psychopharmacology*, **2009**, 205, 217-25	4.7	75
284	Modulation of anxiety-like behaviour by Transient Receptor Potential Vanilloid Type 1 (TRPV1) channels located in the dorsolateral periaqueductal gray. *European Neuropsychopharmacology*, **2009**, 19, 188-95	1.2	75
283	Effects of L-NOARG on plus-maze performance in rats. *Pharmacology Biochemistry and Behavior*, **1997**, 56, 55-9	3.9	70
282	Cannabidiol reduces neuroinflammation and promotes neuroplasticity and functional recovery after brain ischemia. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2017**, 75, 94-105	5.5	69
281	Cannabidiol Induces Rapid and Sustained Antidepressant-Like Effects Through Increased BDNF Signaling and Synaptogenesis in the Prefrontal Cortex. *Molecular Neurobiology*, **2019**, 56, 1070-1081	6.2	67
280	Effects of ritanserin on aversive classical conditioning in humans. *Psychopharmacology*, **1991**, 104, 220-4	4.7	66
279	Behavioral and c-fos expression changes induced by nitric oxide donors microinjected into the dorsal periaqueductal gray. *Brain Research Bulletin*, **2000**, 51, 457-64	3.9	65
278	The expression of contextual fear conditioning involves activation of an NMDA receptor-nitric oxide pathway in the medial prefrontal cortex. *Cerebral Cortex*, **2008**, 18, 2027-35	5.1	64
277	Anxiolytic-like effects of AP7 injected into the dorsolateral or ventrolateral columns of the periaqueductal gray of rats. *Psychopharmacology*, **2002**, 160, 30-8	4.7	64
276	Effects of excitatory amino acids and nitric oxide on flight behavior elicited from the dorsolateral periaqueductal gray. *Neuroscience and Biobehavioral Reviews*, **2001**, 25, 679-85	9	64
275	Cannabidiol injected into the bed nucleus of the stria terminalis reduces the expression of contextual fear conditioning via 5-HT1A receptors. *Journal of Psychopharmacology*, **2012**, 26, 104-13	4.6	63
274	Inhibition of iNOS induces antidepressant-like effects in mice: pharmacological and genetic evidence. *Neuropharmacology*, **2012**, 62, 485-91	5.5	62
273	Antidepressant-like effects of NMDA-receptor antagonist injected into the dorsal hippocampus of rats. *Pharmacology Biochemistry and Behavior*, **2004**, 77, 15-9	3.9	61
272	Protective effects of cannabidiol against hippocampal cell death and cognitive impairment induced by bilateral common carotid artery occlusion in mice. *Neurotoxicity Research*, **2014**, 26, 307-16	4.3	60

271	Anxiolytic effect of cannabidiol derivatives in the elevated plus-maze. *General Pharmacology*, **1994**, 25, 161-4		60
270	Effect of chlorimipramine and maprotiline on experimental anxiety in humans. *Journal of Psychopharmacology*, **1987**, 1, 184-92	4.6	60
269	Activation of CB1 cannabinoid receptors in the dorsolateral periaqueductal gray reduces the expression of contextual fear conditioning in rats. *Psychopharmacology*, **2008**, 198, 405-11	4.7	58
268	Role of benzodiazepine receptors located in the dorsal periaqueductal grey of rats in anxiety. *Psychopharmacology*, **1993**, 110, 198-202	4.7	58
267	Decreased left temporal lobe volume of panic patients measured by magnetic resonance imaging. *Brazilian Journal of Medical and Biological Research*, **2003**, 36, 925-9	2.8	56
266	The endocannabinoid and endovanilloid systems interact in the rat prelimbic medial prefrontal cortex to control anxiety-like behavior. *Neuropharmacology*, **2012**, 63, 202-10	5.5	55
265	Cannabinoid CB1 receptors in the medial prefrontal cortex modulate the expression of contextual fear conditioning. *International Journal of Neuropsychopharmacology*, **2010**, 13, 1163-73	5.8	55
264	Activation of cannabinoid CB1 receptors in the dorsolateral periaqueductal gray induces anxiolytic effects in rats submitted to the Vogel conflict test. *European Journal of Pharmacology*, **2008**, 593, 73-8	5.3	55
263	Aripiprazole, an atypical antipsychotic, prevents the motor hyperactivity induced by psychotomimetics and psychostimulants in mice. *European Journal of Pharmacology*, **2008**, 578, 222-7	5.3	54
262	Acute and delayed restraint stress-induced changes in nitric oxide producing neurons in limbic regions. *Neuroscience*, **2004**, 125, 981-93	3.9	54
261	Cannabidiol increases Fos expression in the nucleus accumbens but not in the dorsal striatum. *Life Sciences*, **2004**, 75, 633-8	6.8	53
260	Anxiolytic effects induced by inhibition of the nitric oxide-cGMP pathway in the rat dorsal hippocampus. *Psychopharmacology*, **2007**, 195, 183-92	4.7	52
259	Anxiogenic effect of cholecystokinin in the dorsal periaqueductal gray. *Neuropsychopharmacology*, **2004**, 29, 101-7	8.7	52
258	Facilitation of CB1 receptor-mediated neurotransmission decreases marble burying behavior in mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2011**, 35, 434-8	5.5	51
257	Reduced exploratory activity of audiogenic seizures susceptible Wistar rats. *Physiology and Behavior*, **1998**, 64, 671-4	3.5	51
256	Anxiolytic-like effects induced by medial prefrontal cortex inhibition in rats submitted to the Vogel conflict test. *Physiology and Behavior*, **2008**, 93, 200-5	3.5	51
255	Anxiolytic-like effects induced by nitric oxide synthase inhibitors microinjected into the medial amygdala of rats. *Psychopharmacology*, **2006**, 184, 166-72	4.7	51
254	Antagonism of non-NMDA receptors in the dorsal periaqueductal grey induces anxiolytic effect in the elevated plus maze. *Psychopharmacology*, **1997**, 132, 14-8	4.7	50

253	Co-administration of cannabidiol and capsazepine reduces L-DOPA-induced dyskinesia in mice: Possible mechanism of action. *Neurobiology of Disease*, **2016**, 94, 179-95	7.5	50
252	Antidepressant-like effect induced by Cannabidiol is dependent on brain serotonin levels. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2018**, 86, 255-261	5.5	49
251	Antidepressant-like effects of N-acetyl-L-cysteine in rats. *Behavioural Pharmacology*, **2008**, 19, 747-50	2.4	48
250	Anxiety and salivary cortisol in symptomatic and nonsymptomatic panic patients and healthy volunteers performing simulated public speaking. *Psychiatry Research*, **2005**, 133, 239-52	9.9	48
249	Pharmacology of human experimental anxiety. *Brazilian Journal of Medical and Biological Research*, **2003**, 36, 421-32	2.8	48
248	Cannabidiol effects in the prepulse inhibition disruption induced by amphetamine. *Psychopharmacology*, **2015**, 232, 3057-65	4.7	47
247	Behavioral effects in the elevated plus maze of an NMDA antagonist injected into the dorsal hippocampus: influence of restraint stress. *Pharmacology Biochemistry and Behavior*, **2000**, 67, 325-30	3.9	47
246	Facilitation of endocannabinoid effects in the ventral hippocampus modulates anxiety-like behaviors depending on previous stress experience. *Neuroscience*, **2010**, 167, 238-46	3.9	46
245	Antiaversive effects of cannabinoids: is the periaqueductal gray involved?. *Neural Plasticity*, **2009**, 2009, 625469	3.3	46
244	Neuroimaging studies of acute effects of THC and CBD in humans and animals: a systematic review. *Current Pharmaceutical Design*, **2014**, 20, 2168-85	3.3	46
243	L-NOARG, an inhibitor of nitric oxide synthase, induces catalepsy in mice. *NeuroReport*, **1995**, 7, 158-160	1.7	46
242	Anxiolytic effect of glycine antagonists microinjected into the dorsal periaqueductal grey. *Psychopharmacology*, **1994**, 113, 565-9	4.7	45
241	Different role of the ventral medial prefrontal cortex on modulation of innate and associative learned fear. *Neuroscience*, **2010**, 171, 760-8	3.9	44
240	c-Fos expression increase in NADPH-diaphorase positive neurons after exposure to a live cat. *Behavioural Brain Research*, **2006**, 170, 52-61	3.4	44
239	9-Tetrahydrocannabinol alone and combined with cannabidiol mitigate fear memory through reconsolidation disruption. *European Neuropsychopharmacology*, **2015**, 25, 958-65	1.2	43
238	Characterization of a psychophysiological model of classical fear conditioning in healthy volunteers: influence of gender, instruction, personality and placebo. *Psychopharmacology*, **1991**, 104, 231-6	4.7	43
237	Cannabidiol attenuates sensorimotor gating disruption and molecular changes induced by chronic antagonism of NMDA receptors in mice. *International Journal of Neuropsychopharmacology*, **2014**, 18,	5.8	42
236	Modulation of defensive behavior by Transient Receptor Potential Vanilloid Type-1 (TRPV1) channels. *Neuroscience and Biobehavioral Reviews*, **2014**, 46 Pt 3, 418-28	9	42

235	Involvement of serotonin-mediated neurotransmission in the dorsal periaqueductal gray matter on cannabidiol chronic effects in panic-like responses in rats. *Psychopharmacology*, **2013**, 226, 13-24	4.7	42
234	Cannabidiol attenuates catalepsy induced by distinct pharmacological mechanisms via 5-HT1A receptor activation in mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2013**, 46, 43-7	5.5	42
233	Acute reversible inactivation of the ventral medial prefrontal cortex induces antidepressant-like effects in rats. *Behavioural Brain Research*, **2010**, 214, 437-42	3.4	42
232	Does the panic attack activate the hypothalamic-pituitary-adrenal axis?. *Anais Da Academia Brasileira De Ciencias*, **2005**, 77, 477-91	1.4	42
231	Sub-chronic inhibition of nitric-oxide synthesis modifies haloperidol-induced catalepsy and the number of NADPH-diaphorase neurons in mice. *Psychopharmacology*, **2000**, 147, 356-61	4.7	41
230	Activation of neurons containing the enzyme nitric oxide synthase following exposure to an elevated plus maze. *Brain Research Bulletin*, **2006**, 69, 347-55	3.9	40
229	Motor effects of acute and chronic inhibition of nitric oxide synthesis in mice. *Psychopharmacology*, **2002**, 161, 32-7	4.7	40
228	Cannabidiol disrupts the consolidation of specific and generalized fear memories via dorsal hippocampus CB and CB receptors. *Neuropharmacology*, **2017**, 125, 220-230	5.5	39
227	Anxiogenic effect of corticotropin-releasing hormone in the dorsal periaqueductal grey. *NeuroReport*, **1997**, 8, 3601-4	1.7	39
226	Systemic and intra-dorsal periaqueductal gray injections of cholecystokinin sulfated octapeptide (CCK-8s) induce a panic-like response in rats submitted to the elevated T-maze. *Peptides*, **2004**, 25, 1935-41	3.8	39
225	Anxiolytic effect of methylene blue microinjected into the dorsal periaqueductal gray matter. *Brazilian Journal of Medical and Biological Research*, **1999**, 32, 1529-32	2.8	39
224	Effects of pubertal cannabinoid administration on attentional set-shifting and dopaminergic hyper-responsivity in a developmental disruption model of schizophrenia. *International Journal of Neuropsychopharmacology*, **2014**, 18,	5.8	38
223	Predator threat stress promotes long lasting anxiety-like behaviors and modulates synaptophysin and CB1 receptors expression in brain areas associated with PTSD symptoms. *Neuroscience Letters*, **2013**, 533, 34-8	3.3	37
222	Effects of intra-infralimbic prefrontal cortex injections of cannabidiol in the modulation of emotional behaviors in rats: contribution of 5HT1A receptors and stressful experiences. *Behavioural Brain Research*, **2015**, 286, 49-56	3.4	37
221	Blockade of NMDA receptors and nitric oxide synthesis in the dorsolateral periaqueductal gray attenuates behavioral and cellular responses of rats exposed to a live predator. *Journal of Neuroscience Research*, **2009**, 87, 2418-29	4.4	37
220	Anxiogenic-like effect of glycine and D-serine microinjected into dorsal periaqueductal gray matter of rats. *Neuroscience Letters*, **1995**, 189, 93-6	3.3	37
219	Cannabidiol reverses the mCPP-induced increase in marble-burying behavior. *Fundamental and Clinical Pharmacology*, **2014**, 28, 544-50	3.1	36
218	Neuronal NOS inhibitor and conventional antidepressant drugs attenuate stress-induced fos expression in overlapping brain regions. *Cellular and Molecular Neurobiology*, **2012**, 32, 443-53	4.6	36

217	Catalepsy induced by intra-striatal administration of nitric oxide synthase inhibitors in rats. *European Journal of Pharmacology*, **2004**, 485, 175-81	5.3	36
216	Anxiogenic effect of median raphe nucleus lesion in stressed rats. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2002**, 26, 1135-41	5.5	36
215	No Acute Effects of Cannabidiol on the Sleep-Wake Cycle of Healthy Subjects: A Randomized, Double-Blind, Placebo-Controlled, Crossover Study. *Frontiers in Pharmacology*, **2018**, 9, 315	5.6	35
214	Antidepressant- and anticompulsive-like effects of purinergic receptor blockade: involvement of nitric oxide. *European Neuropsychopharmacology*, **2013**, 23, 1769-78	1.2	35
213	Subjective and neurovegetative changes in healthy volunteers and panic patients performing simulated public speaking. *European Neuropsychopharmacology*, **2005**, 15, 663-71	1.2	35
212	Evaluation of a psychophysiological model of classical fear conditioning in anxious patients. *Psychopharmacology*, **1991**, 104, 215-9	4.7	35
211	Behavioral and autonomic responses to acute restraint stress are segregated within the lateral septal area of rats. *PLoS ONE*, **2011**, 6, e23171	3.7	35
210	Cannabidiol prevents haloperidol-induced vacuos chewing movements and inflammatory changes in mice via PPAR receptors. *Brain, Behavior, and Immunity*, **2018**, 74, 241-251	16.6	34
209	Differential role of CB1 and TRPV1 receptors on anandamide modulation of defensive responses induced by nitric oxide in the dorsolateral periaqueductal gray. *Neuropharmacology*, **2012**, 62, 2455-62	5.5	33
208	Effects of reversible inactivation of the dorsal hippocampus on the behavioral and cardiovascular responses to an aversive conditioned context. *Behavioural Pharmacology*, **2008**, 19, 137-44	2.4	33
207	Flight reactions induced by injection of glutamate N-methyl-d-aspartate receptor agonist into the rat dorsolateral periaqueductal gray are not dependent on endogenous nitric oxide. *Pharmacology Biochemistry and Behavior*, **2006**, 83, 296-301	3.9	33
206	Microglial Cells as a Link between Cannabinoids and the Immune Hypothesis of Psychiatric Disorders. *Frontiers in Neurology*, **2016**, 7, 5	4.1	33
205	Cannabidiol Regulation of Learned Fear: Implications for Treating Anxiety-Related Disorders. *Frontiers in Pharmacology*, **2016**, 7, 454	5.6	33
204	Emerging evidence for the antidepressant effect of cannabidiol and the underlying molecular mechanisms. *Journal of Chemical Neuroanatomy*, **2019**, 98, 104-116	3.2	32
203	Cannabidiol inhibits the hyperphagia induced by cannabinoid-1 or serotonin-1A receptor agonists. *Pharmacology Biochemistry and Behavior*, **2011**, 98, 268-72	3.9	32
202	Acute reversible inactivation of the bed nucleus of stria terminalis induces antidepressant-like effect in the rat forced swimming test. *Behavioral and Brain Functions*, **2010**, 6, 30	4.1	32
201	Ritanserin facilitates anxiety in a simulated public-speaking paradigm. *Journal of Psychopharmacology*, **1997**, 11, 225-31	4.6	32
200	Role of hippocampal 5-HT1A receptors on elevated plus maze exploration after a single restraint experience. *Behavioural Brain Research*, **1996**, 77, 215-8	3.4	32

199	Dopamine and nitric oxide interaction on the modulation of prepulse inhibition of the acoustic startle response in the Wistar rat. *Psychopharmacology*, **2006**, 185, 133-41	4.7	31
198	Routine post-weaning handling of rats prevents isolation rearing-induced deficit in prepulse inhibition. *Brazilian Journal of Medical and Biological Research*, **2005**, 38, 1691-6	2.8	31
197	Effects of single or repeated restraint stress on GluR1 and GluR2 flip and flop mRNA expression in the hippocampal formation. *Brain Research Bulletin*, **2002**, 59, 117-24	3.9	31
196	Effects of minocycline add-on treatment on brain morphometry and cerebral perfusion in recent-onset schizophrenia. *Schizophrenia Research*, **2015**, 161, 439-45	3.6	30
195	Neuroprotection and reduction of glial reaction by cannabidiol treatment after sciatic nerve transection in neonatal rats. *European Journal of Neuroscience*, **2013**, 38, 3424-34	3.5	30
194	Effects of intracisternal administration of cannabidiol on the cardiovascular and behavioral responses to acute restraint stress. *Pharmacology Biochemistry and Behavior*, **2011**, 99, 743-8	3.9	30
193	Catalepsy induced by nitric oxide synthase inhibitors. *General Pharmacology*, **1998**, 30, 245-8		30
192	Post-stress facilitation of serotonergic, but not noradrenergic, neurotransmission in the dorsal hippocampus prevents learned helplessness development in rats. *Brain Research*, **2006**, 1087, 67-74	3.7	30
191	Do panic patients process unconditioned fear vs. conditioned anxiety differently than normal subjects?. *Psychiatry Research*, **2001**, 104, 227-37	9.9	30
190	Cannabidiol attenuates haloperidol-induced catalepsy and c-Fos protein expression in the dorsolateral striatum via 5-HT1A receptors in mice. *Behavioural Brain Research*, **2016**, 309, 22-8	3.4	29
189	Modulation of anxiety-like behavior by the endocannabinoid 2-arachidonoylglycerol (2-AG) in the dorsolateral periaqueductal gray. *Behavioural Brain Research*, **2013**, 252, 10-7	3.4	29
188	Opposite effects of nefazodone in two human models of anxiety. *Psychopharmacology*, **2001**, 156, 454-60	4.7	29
187	Modulation of carbachol-induced antinociception from the rat periaqueductal gray. *Brain Research Bulletin*, **2000**, 51, 471-8	3.9	29
186	Protective effects of cannabidiol on lesion-induced intervertebral disc degeneration. *PLoS ONE*, **2014**, 9, e113161	3.7	28
185	Repeated social defeat-induced neuroinflammation, anxiety-like behavior and resistance to fear extinction were attenuated by the cannabinoid receptor agonist WIN55,212-2. *Neuropsychopharmacology*, **2018**, 43, 1924-1933	8.7	28
184	Cannabinoid Modulation of the Stressed Hippocampus. *Frontiers in Molecular Neuroscience*, **2017**, 10, 411	6.1	27
183	Increased Contextual Fear Conditioning in iNOS Knockout Mice: Additional Evidence for the Involvement of Nitric Oxide in Stress-Related Disorders and Contribution of the Endocannabinoid System. *International Journal of Neuropsychopharmacology*, **2015**, 18,	5.8	27
182	Cannabidiol injected into the bed nucleus of the stria terminalis modulates baroreflex activity through 5-HT1A receptors. *Pharmacological Research*, **2010**, 62, 228-36	10.2	27

181	Comparison of buspirone with diazepam and fluvoxamine on aversive classical conditioning in humans. *Journal of Psychopharmacology*, **1999**, 13, 122-7	4.6	27
180	Is cannabidiol the ideal drug to treat non-motor Parkinson's disease symptoms?. *European Archives of Psychiatry and Clinical Neuroscience*, **2019**, 269, 121-133	5.1	26
179	Cannabidiol attenuates behavioral changes in a rodent model of schizophrenia through 5-HT1A, but not CB1 and CB2 receptors. *Pharmacological Research*, **2020**, 156, 104749	10.2	26
178	Ionotropic glutamate-receptor antagonists inhibit the aversive effects of nitric oxide donor injected into the dorsolateral periaqueductal gray of rats. *Psychopharmacology*, **2004**, 171, 199-203	4.7	26
177	Midazolam and the N-methyl-D-aspartate (NMDA) receptor antagonist 2-amino-7-phosphonoheptanoic acid (AP-7) attenuate stress-induced expression of c-fos mRNA in the dentate gyrus. *Cellular and Molecular Neurobiology*, **1994**, 14, 373-80	4.6	26
176	Chronic cannabidiol exposure promotes functional impairment in sexual behavior and fertility of male mice. *Reproductive Toxicology*, **2018**, 81, 34-40	3.4	26
175	Anxiogenic-like effects induced by hemopressin in rats. *Pharmacology Biochemistry and Behavior*, **2015**, 129, 7-13	3.9	25
174	Serious adverse effects of cannabidiol (CBD): a review of randomized controlled trials. *Expert Opinion on Drug Metabolism and Toxicology*, **2020**, 16, 517-526	5.5	25
173	The Endocannabinoid System and Anxiety. *Vitamins and Hormones*, **2017**, 103, 193-279	2.5	25
172	Involvement of the lateral septal area in the expression of fear conditioning to context. *Learning and Memory*, **2010**, 17, 134-8	2.8	25
171	Tempering aversive/traumatic memories with cannabinoids: a review of evidence from animal and human studies. *Psychopharmacology*, **2019**, 236, 201-226	4.7	25
170	Anti-aversive effects of the atypical antipsychotic, aripiprazole, in animal models of anxiety. *Journal of Psychopharmacology*, **2011**, 25, 801-7	4.6	24
169	Bidirectional Effects of Cannabidiol on Contextual Fear Memory Extinction. *Frontiers in Pharmacology*, **2016**, 7, 493	5.6	24
168	Medial prefrontal cortex Transient Receptor Potential Vanilloid Type 1 (TRPV1) in the expression of contextual fear conditioning in Wistar rats. *Psychopharmacology*, **2014**, 231, 149-57	4.7	23
167	Involvement of the insular cortex in the consolidation and expression of contextual fear conditioning. *European Journal of Neuroscience*, **2013**, 38, 2300-7	3.5	23
166	Inhibition of the NMDA receptor/Nitric Oxide pathway in the dorsolateral periaqueductal gray causes anxiolytic-like effects in rats submitted to the Vogel conflict test. *Behavioral and Brain Functions*, **2009**, 5, 40	4.1	23
165	Role of TRPV1 receptors on panic-like behaviors mediated by the dorsolateral periaqueductal gray in rats. *Pharmacology Biochemistry and Behavior*, **2013**, 105, 166-72	3.9	22
164	Antidepressant treatment reduces Fos-like immunoreactivity induced by swim stress in different columns of the periaqueductal gray matter. *Brain Research Bulletin*, **2006**, 70, 414-21	3.9	22

163	Role of glutamate ionotropic receptors in the dorsomedial hypothalamic nucleus on anxiety and locomotor behavior. *Pharmacology Biochemistry and Behavior*, **2004**, 79, 541-6	3.9	22
162	GABAergic and glutamatergic modulation of exploratory behavior in the dorsomedial hypothalamus. *Pharmacology Biochemistry and Behavior*, **2001**, 69, 579-84	3.9	22
161	Anxiolytic effect of a CRH receptor antagonist in the dorsal periaqueductal gray. *Depression and Anxiety*, **2000**, 12, 99-101	8.4	22
160	Chronic exposure to cannabidiol induces reproductive toxicity in male Swiss mice. *Journal of Applied Toxicology*, **2018**, 38, 1215-1223	4.1	22
159	Effects of nitric oxide-related compounds in the acute ketamine animal model of schizophrenia. *BMC Neuroscience*, **2015**, 16, 9	3.2	21
158	Changes in hippocampal gene expression by 7-nitroindazole in rats submitted to forced swimming stress. *Genes, Brain and Behavior*, **2012**, 11, 303-13	3.6	21
157	Neuroanatomical substrates involved in cannabinoid modulation of defensive responses. *Journal of Psychopharmacology*, **2012**, 26, 40-55	4.6	21
156	Restraint stress induces beta-amyloid precursor protein mRNA expression in the rat basolateral amygdala. *Brain Research Bulletin*, **2005**, 65, 69-75	3.9	21
155	Behavioral effects of intra-nigral microinjections of manganese chloride: interaction with nitric oxide. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2000**, 24, 307-25	5.5	21
154	Nitric oxide in the prelimbic medial prefrontal cortex is involved in the anxiogenic-like effect induced by acute restraint stress in rats. *Neuroscience*, **2016**, 320, 30-42	3.9	20
153	Increased nitric oxide-mediated neurotransmission in the medial prefrontal cortex is associated with the long lasting anxiogenic-like effect of predator exposure. *Behavioural Brain Research*, **2013**, 256, 391-7	3.4	20
152	Cannabidiol administration into the bed nucleus of the stria terminalis alters cardiovascular responses induced by acute restraint stress through 5-HT$_{1A}$ receptor. *European Neuropsychopharmacology*, **2013**, 23, 1096-104	1.2	20
151	Antinociceptive effects of HUF-101, a fluorinated cannabidiol derivative. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2017**, 79, 369-377	5.5	20
150	Cannabinoid CB1 receptors in the dorsal hippocampus and prelimbic medial prefrontal cortex modulate anxiety-like behavior in rats: additional evidence. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2015**, 59, 76-83	5.5	20
149	Fine-tuning of defensive behaviors in the dorsal periaqueductal gray by atypical neurotransmitters. *Brazilian Journal of Medical and Biological Research*, **2012**, 45, 357-65	2.8	20
148	Cannabidiol attenuates aggressive behavior induced by social isolation in mice: Involvement of 5-HT1A and CB1 receptors. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 94, 109637	5.5	19
147	Myricitrin induces antidepressant-like effects and facilitates adult neurogenesis in mice. *Behavioural Brain Research*, **2017**, 316, 59-65	3.4	19
146	Counteraction by nitric oxide synthase inhibitor of neurochemical alterations of dopaminergic system in 6-OHDA-lesioned rats under L-DOPA treatment. *Neurotoxicity Research*, **2014**, 25, 33-44	4.3	19

145	Dorsal and ventral hippocampus modulate autonomic responses but not behavioral consequences associated to acute restraint stress in rats. *PLoS ONE*, **2013**, 8, e77750	3.7	19
144	Role of glutamate ionotropic and benzodiazepine receptors in the ventromedial hypothalamic nucleus on anxiety. *Pharmacology Biochemistry and Behavior*, **2005**, 82, 182-9	3.9	19
143	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, 145-54	2.8	19
142	Effect ofd-fenfluramine on human experimental anxiety. *Psychopharmacology*, **1996**, 127, 276-282	4.7	19
141	Antinociception induced by stimulation of the habenular complex of the rat. *Brain Research*, **1990**, 524, 213-8	3.7	19
140	Effects of glutamate NMDA and TRPV1 receptor antagonists on the biphasic responses to anandamide injected into the dorsolateral periaqueductal grey of Wistar rats. *Psychopharmacology*, **2013**, 226, 579-87	4.7	18
139	Complex interaction between anandamide and the nitrergic system in the dorsolateral periaqueductal gray to modulate anxiety-like behavior in rats. *Neuropharmacology*, **2013**, 75, 86-94	5.5	18
138	NOC-9, a selective nitric oxide donor, induces flight reactions in the dorsolateral periaqueductal gray of rats by activating soluble guanylate cyclase. *Neuroscience Letters*, **2009**, 459, 79-83	3.3	18
137	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, 339-46	4.6	18
136	Modulation of defensive responses and anxiety-like behaviors by group I metabotropic glutamate receptors located in the dorsolateral periaqueductal gray. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2008**, 32, 178-85	5.5	18
135	Effect of cannabidiol on plasma prolactin, growth hormone and cortisol in human volunteers. *Brazilian Journal of Medical and Biological Research*, **1993**, 26, 213-7	2.8	18
134	Fluorinated Cannabidiol Derivatives: Enhancement of Activity in Mice Models Predictive of Anxiolytic, Antidepressant and Antipsychotic Effects. *PLoS ONE*, **2016**, 11, e0158779	3.7	18
133	(1)H magnetic resonance spectroscopy imaging of the hippocampus in patients with panic disorder. *Psychiatry Research - Neuroimaging*, **2010**, 182, 261-5	2.9	17
132	Inhibition of nitric oxide synthase increases synaptophysin mRNA expression in the hippocampal formation of rats. *Neuroscience Letters*, **2007**, 421, 72-6	3.3	17
131	Benzodiazepine receptor and serotonin 2A receptor modulate the aversive-like effects of nitric oxide in the dorsolateral periaqueductal gray of rats. *Psychopharmacology*, **2004**, 176, 362-8	4.7	17
130	Cannabidiol increases the nociceptive threshold in a preclinical model of Parkinson's disease. *Neuropharmacology*, **2020**, 163, 107808	5.5	17
129	Cannabidiol and Cannabinoid Compounds as Potential Strategies for Treating Parkinson's Disease and L-DOPA-Induced Dyskinesia. *Neurotoxicity Research*, **2020**, 37, 12-29	4.3	17
128	CD36 Shunts Eicosanoid Metabolism to Repress CD14 Licensed Interleukin-1β Release and Inflammation. *Frontiers in Immunology*, **2018**, 9, 890	8.4	16

127	5-HT1A autoreceptor modulation of locomotor activity induced by nitric oxide in the rat dorsal raphe nucleus. *Brazilian Journal of Medical and Biological Research*, **2011**, 44, 332-6	2.8	16
126	Escitalopram prolonged fear induced by simulated public speaking and released hypothalamic-pituitary-adrenal axis activation. *Journal of Psychopharmacology*, **2010**, 24, 683-94	4.6	16
125	Intra-hippocampal administration of cycloheximide attenuates the restraint-induced exploratory deficit of an elevated plus maze. *Behavioural Brain Research*, **1998**, 91, 207-11	3.4	16
124	DMH-CBD, a cannabidiol analog with reduced cytotoxicity, inhibits TNF production by targeting NF-kB activity dependent on A receptor. *Toxicology and Applied Pharmacology*, **2019**, 368, 63-71	4.6	15
123	Cannabidiol-treated rats exhibited higher motor score after cryogenic spinal cord injury. *Neurotoxicity Research*, **2012**, 21, 271-80	4.3	15
122	A novel peptide that improves metabolic parameters without adverse central nervous system effects. *Scientific Reports*, **2017**, 7, 14781	4.9	15
121	Cannabinoids, Neurogenesis and Antidepressant Drugs: Is there a Link?. *Current Neuropharmacology*, **2013**, 11, 263-75	7.6	15
120	Distinct behavioral consequences of stress models of depression in the elevated T-maze. *Behavioural Brain Research*, **2011**, 225, 590-5	3.4	15
119	Social isolation increases cholecystokinin mRNA in the central nervous system of rats. *NeuroReport*, **1997**, 8, 3597-600	1.7	15
118	c-jun mRNA expression in the hippocampal formation induced by restraint stress. *Brain Research*, **1997**, 753, 202-8	3.7	15
117	CBD modulates DNA methylation in the prefrontal cortex and hippocampus of mice exposed to forced swim. *Behavioural Brain Research*, **2020**, 388, 112627	3.4	14
116	Cannabinoid signalling in embryonic and adult neurogenesis: possible implications for psychiatric and neurological disorders. *Acta Neuropsychiatrica*, **2019**, 31, 1-16	3.9	14
115	Flight reactions to nitric oxide in the inferior colliculus of rats depend on NMDA receptor activation. *Pharmacology Biochemistry and Behavior*, **2003**, 76, 35-41	3.9	14
114	Anxiolytic-like effect of group housing on stress-induced behavior in rats. *Depression and Anxiety*, **2003**, 18, 149-52	8.4	14
113	Effects of isolation-rearing on serotonin-1A and M1-muscarinic receptor messenger RNA expression in the hipocampal formation of rats. *Neuroscience Letters*, **2002**, 332, 123-6	3.3	14
112	Oral Cannabidiol Does Not Convert to Δ8THC or Δ9THC in Humans: A Pharmacokinetic Study in Healthy Subjects. *Cannabis and Cannabinoid Research*, **2020**, 5, 89-98	4.6	14
111	The endocannabinoid, endovanilloid and nitrergic systems could interact in the rat dorsolateral periaqueductal gray matter to control anxiety-like behaviors. *Behavioural Brain Research*, **2015**, 293, 182-8	3.4	13
110	BDNF-TRKB signaling system of the dorsal periaqueductal gray matter is implicated in the panicolytic-like effect of antidepressant drugs. *European Neuropsychopharmacology*, **2015**, 25, 913-22	1.2	13

109	Effects of cannabidiol, a Cannabis sativa constituent, on oral wound healing process in rats: Clinical and histological evaluation. *Phytotherapy Research*, **2018**, 32, 2275-2281	6.7	13
108	Cannabinoid modulation of predator fear: involvement of the dorsolateral periaqueductal gray. *International Journal of Neuropsychopharmacology*, **2014**, 17, 1193-206	5.8	13
107	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, 371-4	2.8	13
106	Effects of tryptophan depletion on anxiety induced by simulated public speaking. *Brazilian Journal of Medical and Biological Research*, **2000**, 33, 581-7	2.8	13
105	Clinical implication of microdialysis findings. *Trends in Pharmacological Sciences*, **1993**, 14, 263	13.2	13
104	Efficacy and Safety of Cannabidiol Plus Standard Care vs Standard Care Alone for the Treatment of Emotional Exhaustion and Burnout Among Frontline Health Care Workers During the COVID-19 Pandemic: A Randomized Clinical Trial. *JAMA Network Open*, **2021**, 4, e2120603	10.4	13
103	The dorsolateral periaqueductal grey N-methyl-D-aspartate/nitric oxide/cyclic guanosine monophosphate pathway modulates the expression of contextual fear conditioning in rats. *Journal of Psychopharmacology*, **2014**, 28, 479-85	4.6	12
102	The antimanic-like effect of phenytoin and carbamazepine on methylphenidate-induced hyperlocomotion: role of voltage-gated sodium channels. *Fundamental and Clinical Pharmacology*, **2013**, 27, 650-5	3.1	12
101	Blockade of NMDA or NO in the dorsal premammillary nucleus attenuates defensive behaviors. *Physiology and Behavior*, **2011**, 103, 279-83	3.5	12
100	Endocannabinoid system and fear conditioning. *Vitamins and Hormones*, **2009**, 81, 421-40	2.5	12
99	Anxiolytic-like effect of noradrenaline microinjection into the dorsal periaqueductal gray of rats. *Behavioural Pharmacology*, **2009**, 20, 252-9	2.4	12
98	Role of serotonin receptors in panic-like behavior induced by nitric oxide in the rat dorsolateral periaqueductal gray: effects of chronic clomipramine treatment. *Life Sciences*, **2005**, 77, 1972-82	6.8	12
97	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, 141-5	3.4	12
96	Hippocampal mammalian target of rapamycin is implicated in stress-coping behavior induced by cannabidiol in the forced swim test. *Journal of Psychopharmacology*, **2018**, 32, 922-931	4.6	12
95	Are CB2 Receptors a New Target for Schizophrenia Treatment?. *Frontiers in Psychiatry*, **2020**, 11, 587154	5	11
94	Role of the endocannabinoid 2-arachidonoylglycerol in aversive responses mediated by the dorsolateral periaqueductal grey. *European Neuropsychopharmacology*, **2016**, 26, 15-22	1.2	11
93	Tolerance to the cataleptic effect that follows repeated nitric oxide synthase inhibition may be related to functional enzymatic recovery. *Journal of Psychopharmacology*, **2010**, 24, 397-405	4.6	11
92	Electrodermically nonresponsive schizophrenia patients make more errors in the Stroop Color Word Test, indicating selective attention deficit. *Schizophrenia Bulletin*, **2002**, 28, 459-66	1.3	11

91	Defense reaction induced by a metabotropic glutamate receptor agonist microinjected into the dorsal periaqueductal gray of rats. *Brazilian Journal of Medical and Biological Research*, **1999**, 32, 1533-7	2.8	11
90	Nitric oxide modulates dopaminergic regulation of prepulse inhibition in the basolateral amygdala. *Journal of Psychopharmacology*, **2011**, 25, 1639-48	4.6	10
89	The brain decade in debate: III. Neurobiology of emotion. *Brazilian Journal of Medical and Biological Research*, **2001**, 34, 283-93	2.8	10
88	Serotonin modulation of catalepsy induced by N(G)-nitro-L-arginine in mice. *European Journal of Pharmacology*, **1999**, 379, 47-52	5.3	10
87	Effects of Cannabidiol on Diabetes Outcomes and Chronic Cerebral Hypoperfusion Comorbidities in Middle-Aged Rats. *Neurotoxicity Research*, **2019**, 35, 463-474	4.3	10
86	Involvement of TRPV1 channels in the periaqueductal grey on the modulation of innate fear responses. *Acta Neuropsychiatrica*, **2015**, 27, 97-105	3.9	9
85	The Anxiolytic Effects of Cannabidiol (CBD) **2017**, e131-e139		9
84	Lack of effects of clomipramine on Fos and NADPH-diaphorase double-staining in the periaqueductal gray after exposure to an innate fear stimulus. *Physiology and Behavior*, **2008**, 94, 316-21	3.5	9
83	Delayed stress-induced antinociceptive effect of nitric oxide synthase inhibition in the dentate gyrus of rats. *Pharmacology Biochemistry and Behavior*, **2002**, 74, 149-56	3.9	9
82	Comparison between two models of experimental anxiety in healthy volunteers and panic disorder patients. *Neuroscience and Biobehavioral Reviews*, **2001**, 25, 753-9	9	9
81	A time-dependent contribution of hippocampal CB , CB and PPAR receptors to cannabidiol-induced disruption of fear memory consolidation. *British Journal of Pharmacology*, **2020** , 177, 945-957	8.6	9
80	Role of the endocannabinoid system in the dorsal hippocampus in the cardiovascular changes and delayed anxiety-like effect induced by acute restraint stress in rats. *Journal of Psychopharmacology*, **2019**, 33, 606-614	4.6	8
79	Behavioral effects of "vehicle" microinjected into the dorsal periaqueductal grey of rats tested in the elevated plus maze. *Brazilian Journal of Medical and Biological Research*, **1997**, 30, 61-4	2.8	8
78	Induction of Fos protein immunoreactivity by spinal cord contusion. *Brazilian Journal of Medical and Biological Research*, **2000**, 33, 521-8	2.8	8
77	Biological bases for a possible effect of cannabidiol in Parkinson's disease. *Revista Brasileira De Psiquiatria*, **2020**, 42, 218-224	2.6	8
76	Mice lacking interleukin-18 gene display behavioral changes in animal models of psychiatric disorders: Possible involvement of immunological mechanisms. *Journal of Neuroimmunology*, **2018**, 314, 58-66	3.5	8
75	2-Arachidonoylglycerol endocannabinoid signaling coupled to metabotropic glutamate receptor type-5 modulates anxiety-like behavior in the rat ventromedial prefrontal cortex. *Journal of Psychopharmacology*, **2017**, 31, 740-749	4.6	7
74	Repeated treatment with nitric oxide synthase inhibitor attenuates learned helplessness development in rats and increases hippocampal BDNF expression. *Acta Neuropsychiatrica*, **2018**, 30, 127-136	3.9	7

73	Neuronal preservation and reactive gliosis attenuation following neonatal sciatic nerve axotomy by a fluorinated cannabidiol derivative. *Neuropharmacology*, **2018**, 140, 201-208	5.5	7
72	D-cycloserine injected into the dorsolateral periaqueductal gray induces anxiolytic-like effects in rats. *Behavioural Brain Research*, **2014**, 271, 374-9	3.4	7
71	Dual mechanism of TRKB activation by anandamide through CB1 and TRPV1 receptors. *PeerJ*, **2019**, 7, e6493	3.1	7
70	Cannabidiol improves metabolic dysfunction in middle-aged diabetic rats submitted to a chronic cerebral hypoperfusion. *Chemico-Biological Interactions*, **2019**, 312, 108819	5	6
69	Cannabidiol on 5-FU-induced oral mucositis in mice. *Oral Diseases*, **2020**, 26, 1483-1493	3.5	6
68	Hemopressin as a breakthrough for the cannabinoid field. *Neuropharmacology*, **2021**, 183, 108406	5.5	6
67	Serotonin in Panic and Anxiety Disorders. *Handbook of Behavioral Neuroscience*, **2010**, 21, 667-685	0.7	5
66	Inducible nitric oxide synthase (NOS2) knockout mice as a model of trichotillomania. *PeerJ*, **2018**, 6, e4635	3.1	5
65	Glial Cells and Their Contribution to the Mechanisms of Action of Cannabidiol in Neuropsychiatric Disorders. *Frontiers in Pharmacology*, **2020**, 11, 618065	5.6	5
64	Differential contribution of CB1, CB2, 5-HT1A, and PPAR-γ receptors to cannabidiol effects on ischemia-induced emotional and cognitive impairments. *European Journal of Neuroscience*, **2021**, 53, 1738-1751	3.5	5
63	Cannabidiol prevents disruptions in sensorimotor gating induced by psychotomimetic drugs that last for 24-h with probable involvement of epigenetic changes in the ventral striatum. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2021**, 111, 110352	5.5	5
62	L-NOARG, an inhibitor of nitric oxide synthase, induces catalepsy in mice. *NeuroReport*, **1995**, 7, 158-60	1.7	5
61	Paradoxical Effect of LTB on the Regulation of Stress-Induced Corticosterone Production. *Frontiers in Behavioral Neuroscience*, **2019**, 13, 73	3.5	4
60	Serotonin in panic and anxiety disorders. *Handbook of Behavioral Neuroscience*, **2020**, 611-633	0.7	4
59	Involvement of M1 and CB1 receptors in the anxiogenic-like effects induced by neostigmine injected into the rat prelimbic medial prefrontal cortex. *Psychopharmacology*, **2016**, 233, 1377-85	4.7	4
58	Brain pathways involved in the modulatory effects of noradrenaline in lateral septal area on cardiovascular responses. *Cellular and Molecular Neurobiology*, **2012**, 32, 1147-57	4.6	4
57	Lack of interaction between NMDA and cholecystokinin-2 receptor-mediated neurotransmission in the dorsolateral periaqueductal gray in the regulation of rat defensive behaviors. *Life Sciences*, **2006**, 79, 2238-44	6.8	4
56	Deakin et al. reply. *Trends in Pharmacological Sciences*, **1993**, 14, 398	13.2	4

55	Anxiety-Behavior Modulated by Ventral Medial Prefrontal Cortex of Rats Submitted to the Vogel Conflict Test Involves a Local NMDA Receptor and Nitric Oxide. *Journal of Behavioral and Brain Science*, **2011**, 01, 181-187	0.3	4
54	Cannabidiol increases Fos expression in the nucleus accumbens but not in the dorsal striatum **2004**, 75, 633-633		4
53	Experimental tests of the 5-HT receptor imbalance theory of affective disturbance **1991**, 143-154		4
52	Cannabidiol as a Treatment for Mental Health Outcomes Among Health Care Workers During the Coronavirus Disease Pandemic. *Journal of Clinical Psychopharmacology*, **2021**, 41, 327-329	1.7	4
51	Role of 5-HT and 5-HT receptors of the dorsal periaqueductal gray in the anxiety- and panic-modulating effects of antidepressants in rats. *Behavioural Brain Research*, **2021**, 404, 113159	3.4	4
50	Female but not male rats show biphasic effects of low doses of Δ9-tetrahydrocannabinol on anxiety: can cannabidiol interfere with these effects?. *Neuropharmacology*, **2021**, 196, 108684	5.5	4
49	Activation of the TRKB receptor mediates the panicolytic-like effect of the NOS inhibitor aminoguanidine. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 93, 232-239	5.5	3
48	Elastase-2 Knockout Mice Display Anxiogenic- and Antidepressant-Like Phenotype: Putative Role for BDNF Metabolism in Prefrontal Cortex. *Molecular Neurobiology*, **2018**, 55, 7062-7071	6.2	3
47	Purplish-red almandine garnets with alexandrite-like effect: causes of colors and color-enhancing treatments. *Physics and Chemistry of Minerals*, **2013**, 40, 555-562	1.6	3
46	Chapter 4.3 Modulation of anxiety behaviors by 5-HT-interacting drugs. *Handbook of Behavioral Neuroscience*, **2008**, 241-268	0.7	3
45	Cannabidiol for COVID-19 Patients with Mild to Moderate Symptoms (CANDIDATE Study): A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. *Cannabis and Cannabinoid Research*, **2021**,	4.6	3
44	Co-administration of cannabidiol and ketamine induces antidepressant-like effects devoid of hyperlocomotor side-effects. *Neuropharmacology*, **2021**, 195, 108679	5.5	3
43	5-HT Receptor Mechanisms in Human Anxiety **1991**, 74-93		3
42	A serotonergic deficit in the dorsal periaqueductal gray matter may underpin enhanced panic-like behavior in diabetic rats. *Behavioural Pharmacology*, **2017**, 28, 558-564	2.4	2
41	Cannabinoids and obsessive-compulsive disorder **2015**, 365-387		2
40	Stress-induced expression of the c-fos proto-oncogene in the hippocampal formation. *Brazilian Journal of Medical and Biological Research*, **1994**, 27, 1083-8	2.8	2
39	Induction of the c-fos proto-oncogene in the rat pineal gland during stress. *Brazilian Journal of Medical and Biological Research*, **1993**, 26, 975-81	2.8	2
38	Decreasing sperm quality in mice subjected to chronic cannabidiol exposure: New insights of cannabidiol-mediated male reproductive toxicity. *Chemico-Biological Interactions*, **2021**, 351, 109743	5	2

37	Effect of two oral formulations of cannabidiol on responses to emotional stimuli in healthy human volunteers: pharmaceutical vehicle matters. *Revista Brasileira De Psiquiatria*, **2021**,	2.6	2
36	Cannabidiol and 5-HT1A Receptors **2016**, 749-759		2
35	Cannabidiol has therapeutic potential for myofascial pain in female and male parkinsonian rats. *Neuropharmacology*, **2021**, 196, 108700	5.5	2
34	Cannabinoids as Regulators of Neural Development and Adult Neurogenesis. *Pancreatic Islet Biology*, **2017**, 117-136	0.4	1
33	Cannabinoids for the treatment of mental disorders. *Lancet Psychiatry,the*, **2020**, 7, 125-126	23.3	1
32	P.4.a.014 Repeated treatment with an anandamide metabolism inhibitor attenuates long-lasting consequences in a mouse model of post-traumatic stress disorder (PTSD). *European Neuropsychopharmacology*, **2014**, 24, S584-S585	1.2	1
31	Different role of isoproterenol and NOS inhibitors on salivary ducts of rats. *Micron*, **2009**, 40, 343-9	2.3	1
30	P.4.b.003 Anxiolytic effects of 6-iodonordihydrocapsaicin, a TRPV1 antagonist, injected into the medial prefrontal cortex of rats. *European Neuropsychopharmacology*, **2009**, 19, S597-S598	1.2	1
29	Effect of d-fenfluramine on human experimental anxiety. *Psychopharmacology*, **1996**, 127, 276-282	4.7	1
28	Effects of cannabidiol on symptoms induced by the recall of traumatic events in patients with posttraumatic stress disorder.. *Psychopharmacology*, **2022**, 1	4.7	1
27	Spontaneous Activity of CB Receptors Attenuates Stress-Induced Behavioral and Neuroplastic Deficits in Male Mice.. *Frontiers in Pharmacology*, **2021**, 12, 805758	5.6	1
26	Attenuation of behavioral consequences of immobilization stress by intra-hippocampal microinjection of zimelidine. *Brazilian Journal of Medical and Biological Research*, **1993**, 26, 1085-9	2.8	1
25	Genetic Ablation of the Inducible Form of Nitric Oxide in Male Mice Disrupts Immature Neuron Survival in the Adult Dentate Gyrus.. *Frontiers in Immunology*, **2021**, 12, 782831	8.4	1
24	Inducible nitric oxide synthase (NOS2) knockout mice as a model of trichotillomania		1
23	Cannabidiol as an add-on therapy to overcome the slow-onset and, possibly, resistance to antidepressant treatment: involvement of NAPE-PLD in the medial prefrontal cortex		1
22	Astrocyte Intracellular Caand TrkB Signaling in the Hippocampus Could Be Involved in the Beneficial Behavioral Effects of Antidepressant Treatment. *Neurotoxicity Research*, **2021**, 39, 860-871	4.3	1
21	Cannabidiol Confers Neuroprotection in Rats in a Model of Transient Global Cerebral Ischemia: Impact of Hippocampal Synaptic Neuroplasticity. *Molecular Neurobiology*, **2021**, 58, 5338-5355	6.2	1
20	Putative effects of cannabidiol in depression and synaptic plasticity **2021**, 459-467		1

19	Medial prefrontal cortex mechanisms of cannabidiol-induced aversive memory reconsolidation impairments. *Neuropharmacology*, **2021**, 205, 108913	5.5	0
18	DNA methylation in stress and depression: from biomarker to therapeutics. *Acta Neuropsychiatrica*, **2021**, 33, 217-241	3.9	0
17	PPAR receptors are involved in the effects of cannabidiol on orofacial dyskinesia and cognitive dysfunction induced by typical antipsychotic in mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2021**, 111, 110367	5.5	0
16	HU-910, a CB2 receptor agonist, reverses behavioral changes in pharmacological rodent models for schizophrenia.. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2022**, 110553	5.5	0
15	The Cannabidiol Analog PECS-101 Prevents Chemotherapy-Induced Neuropathic Pain via PPAR Receptors.. *Neurotherapeutics*, **2021**, 1	6.4	0
14	Case Report: Cannabidiol-Induced Skin Rash: A Case Series and Key Recommendations. *Frontiers in Pharmacology*,13,	5.6	0
13	P.1.c.004 Purinergic receptor blockade induces antidepressant- and anticompulsive-like effects. *European Neuropsychopharmacology*, **2011**, 21, S255	1.2	
12	P.1.c.024 Intra-basolateral amygdala nitric oxide inhibitor prevents prepulse inhibition disruption induced by dopamine agonists. *European Neuropsychopharmacology*, **2008**, 18, S233-S234	1.2	
11	P.4.c.004 Effect of escitalopram on simulated public speaking. *European Neuropsychopharmacology*, **2008**, 18, S494-S495	1.2	
10	P.4.d.004 Anxiolytic-like effects induced by noradrenaline microinjected into the dorsal periaqueductal gray of rats. *European Neuropsychopharmacology*, **2008**, 18, S496-S497	1.2	
9	P.1.c.030 Antidepressant treatment reduces fos-like immunoreactivity in different regions of periaqueductal gray matter. *European Neuropsychopharmacology*, **2006**, 16, S239-S240	1.2	
8	Aversive role of nitric oxide in the inferior colliculus and in the dorsolateral periaqueductal gray. *European Neuropsychopharmacology*, **2002**, 12, 332	1.2	
7	Activation of NADPH-diaphorase positive neurons after metabotropic glutamate receptor agonist injection into the dorsolateral periaqueductal gray. *European Neuropsychopharmacology*, **2002**, 12, 359	1.2	
6	Fluoxetine and fluvoxamine. *British Journal of Hospital Medicine*, **1991**, 45, 146, 149		
5	Role of Nitric Oxide on Emotional and Motor Behaviour **1998**, 109-124		
4	Reversible inactivation of the medial prefrontal cortex causes antidepressant-like effects of in rats. *FASEB Journal*, **2010**, 24, 811.5	0.9	
3	Cannabidiol attenuates the long lasting cognitive deficits and anxiogenic-like behaviors promoted by murine cerebral malaria. *FASEB Journal*, **2013**, 27, 1097.9	0.9	
2	Short and long-term neuroprotective effects of cannabidiol after neonatal peripheral nerve axotomy. *Neuropharmacology*, **2021**, 197, 108726	5.5	

1	Distinct sex-dependent behavioral responses induced by two positive allosteric modulators of alpha 5 subunit-containing GABA receptors.. *Behavioural Brain Research*, **2022**, 113832	3.4