Luis Hernandez

List of Publications by Citations

81 papers	4,337 citations	38 h-index	65 g-index
81 ext. papers	4,499 ext. citations	4 avg, IF	4.8 L-index

#	Paper	IF	Citations
81	Food reward and cocaine increase extracellular dopamine in the nucleus accumbens as measured by microdialysis. *Life Sciences*, **1988**, 42, 1705-12	6.8	468
80	Self-injection of amphetamine directly into the brain. *Psychopharmacology*, **1983**, 81, 158-63	4.7	365
79	Feeding and hypothalamic stimulation increase dopamine turnover in the accumbens. *Physiology and Behavior*, **1988**, 44, 599-606	3.5	307
78	A small, removable microdialysis probe. *Life Sciences*, **1986**, 39, 2629-37	6.8	188
77	Nicotine infused into the nucleus accumbens increases synaptic dopamine as measured by in vivo microdialysis. *Brain Research*, **1989**, 478, 365-7	3.7	174
76	Neuregulin-1 regulates LTP at CA1 hippocampal synapses through activation of dopamine D4 receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15587-92	11.5	107
75	Long term administration of some antipsychotic drugs increases body weight and feeding in rats. Are D2 dopamine receptors involved?. *Pharmacology Biochemistry and Behavior*, **1987**, 27, 399-405	3.9	103
74	Simultaneous microdialysis and amphetamine infusion in the nucleus accumbens and striatum of freely moving rats: increase in extracellular dopamine and serotonin. *Brain Research Bulletin*, **1987**, 19, 623-8	3.9	102
73	Feeding increases extracellular serotonin in the lateral hypothalamus of the rat as measured by microdialysis. *Brain Research*, **1989**, 479, 349-54	3.7	101
72	Laser-induced fluorescence and fluorescence microscopy for capillary electrophoresis zone detection. *Journal of Chromatography A*, **1991**, 559, 183-196	4.5	98
71	Fenfluramine administered systemically or locally increases extracellular serotonin in the lateral hypothalamus as measured by microdialysis. *Brain Research*, **1989**, 482, 261-70	3.7	97
70	New approaches in clinical chemistry: on-line analyte concentration and microreaction capillary electrophoresis for the determination of drugs, metabolic intermediates, and biopolymers in biological fluids. *Biomedical Applications*, **1997**, 697, 37-66		92
69	Feeding can enhance dopamine turnover in the prefrontal cortex. *Brain Research Bulletin*, **1990**, 25, 975-9	3.9	90
68	Patterns of extracellular norepinephrine in the paraventricular hypothalamus: relationship to circadian rhythm and deprivation-induced eating behavior. *Life Sciences*, **1989**, 45, 275-82	6.8	88
67	Serotonin release in lateral and medial hypothalamus during feeding and its anticipation. *Brain Research Bulletin*, **1990**, 25, 797-802	3.9	87
66	Haloperidol given chronically decreases basal dopamine in the prefrontal cortex more than the striatum or nucleus accumbens as simultaneously measured by microdialysis. *Brain Research Bulletin*, **1989**, 22, 763-9	3.9	75
65	Effect of precipitated withdrawal on extracellular glutamate and aspartate in the nucleus accumbens of chronically morphine-treated rats: an in vivo microdialysis study. *Pharmacology Biochemistry and Behavior*, **1998**, 60, 255-62	3.9	71

64	In vivo monitoring of glutamate in the brain by microdialysis and capillary electrophoresis with laser-induced fluorescence detection. *Journal of Chromatography A*, **1993**, 652, 393-8	4.5	69
63	Hypothalamic infusion of amphetamine increases serotonin, dopamine and norepinephrine. *Physiology and Behavior*, **1988**, 44, 607-10	3.5	64
62	Phencyclidine (PCP) injected in the nucleus accumbens increases extracellular dopamine and serotonin as measured by microdialysis. *Life Sciences*, **1988**, 42, 1713-23	6.8	63
61	Glutamate measured by 6-s resolution brain microdialysis: capillary electrophoretic and laser-induced fluorescence detection application. *Biomedical Applications*, **1997**, 694, 343-9		56
60	Testosterone modulates mesolimbic dopaminergic activity in male rats. *Neuroscience Letters*, **1994**, 171, 172-4	3.3	54
59	Chronic food deprivation decreases extracellular dopamine in the nucleus accumbens: implications for a possible neurochemical link between weight loss and drug abuse. *Obesity*, **1995**, 3 Suppl 4, 525S-529S		52
58	Lateral hypothalamic sites eliciting eating affect medullary taste neurons in rats. *Physiology and Behavior*, **1986**, 36, 829-34	3.5	46
57	Effects of long-term administration of clozapine on body weight and food intake in rats. *Pharmacology Biochemistry and Behavior*, **1993**, 45, 51-4	3.9	45
56	In Vivo Monitoring of Brain Glutamate by Microdialysis Coupled to Capillary Electrophoresis and Laser Induced Fluorescence Detection. *Journal of Liquid Chromatography and Related Technologies*, **1993**, 16, 2149-2160		43
55	Mechanism of the body weight increase induced by systemic sulpiride. *Pharmacology Biochemistry and Behavior*, **1989**, 33, 45-50	3.9	43
54	Diabetes decreases limbic extracellular dopamine in rats. *Neuroscience Letters*, **1996**, 202, 141-4	3.3	42
53	Measurement of glutamine and glutamate by capillary electrophoresis and laser induced fluorescence detection in cerebrospinal fluid of meningitis sick children. *Clinical Biochemistry*, **1998**, 31, 143-50	3.5	41
52	The antipsychotic drug sulpiride does not affect bodyweight in male rats. Is insulin resistance involved?. *European Journal of Pharmacology*, **2002**, 447, 91-8	5.3	41
51	Biomedical applications of capillary electrophoresis with laser-induced fluorescence detection. *Biopharmaceutics and Drug Disposition*, **2001**, 22, 273-89	1.7	41
50	Systemic and local cocaine increase extracellular serotonin in the nucleus accumbens. *Pharmacology Biochemistry and Behavior*, **1996**, 53, 747-52	3.9	41
49	Detection and quantification of capillary electrophoresis zones by fluorescence microscopy. *Journal of Chromatography A*, **1990**, 502, 247-255	4.5	41
48	Bidirectional microdialysis in vivo shows differential dopaminergic potency of cocaine, procaine and lidocaine in the nucleus accumbens using capillary electrophoresis for calibration of drug outward diffusion. *Psychopharmacology*, **1991**, 105, 264-8	4.7	39
47	Role of glutamate in the amygdala and lateral hypothalamus in conditioned taste aversion. *Brain Research*, **1998**, 813, 44-9	3.7	38

46	Mechanism of the neuroleptic-induced obesity in female rats. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **1998**, 22, 187-98	5.5	38
45	Colinear laser-induced fluorescence detector for capillary electrophoresis. Analysis of glutamic acid in brain dialysates. *Journal of Chromatography A*, **1993**, 652, 399-405	4.5	38
44	Patterns of extracellular 5-hydroxyindoleacetic acid (5-HIAA) in the paraventricular hypothalamus (PVN): relation to circadian rhythm and deprivation-induced eating behavior. *Pharmacology Biochemistry and Behavior*, **1989**, 33, 257-60	3.9	38
43	Antipsychotic drugs and obesity: is prolactin involved?. *Canadian Journal of Psychiatry*, **2001**, 46, 829-34	4.8	37
42	A ketogenic diet modifies glutamate, gamma-aminobutyric acid and agmatine levels in the hippocampus of rats: A microdialysis study. *Neuroscience Letters*, **2017**, 642, 158-162	3.3	35
41	Extracellular glutamate, aspartate and arginine increase in the ventral posterolateral thalamic nucleus during nociceptive stimulation. *Brain Research*, **2001**, 923, 45-9	3.7	34
40	Chronic clozapine selectively decreases prefrontal cortex dopamine as shown by simultaneous cortical, accumbens, and striatal microdialysis in freely moving rats. *Pharmacology Biochemistry and Behavior*, **1995**, 52, 581-9	3.9	32
39	Dopamine in the lateral hypothalamus may be involved in the inhibition of locomotion related to food and water seeking. *Brain Research Bulletin*, **1990**, 25, 961-8	3.9	32
38	Noxious stimulation increases glutamate and arginine in the periaqueductal gray matter in rats: a microdialysis study. *Pain*, **2000**, 87, 131-135	8	29
37	Coupling of microdialysis with capillary electrophoresis: a new approach to the study of drug transfer between two compartments of the body in freely moving rats. *Biomedical Applications*, **1992**, 581, 257-66		29
36	Food intake and lateral hypothalamic self-stimulation covary after medial hypothalamic lesions or ventral midbrain 6-hydroxydopamine injections that cause obesity.. *Behavioral Neuroscience*, **1989**, 103, 412-422	2.1	29
35	Tryptophan increases extracellular serotonin in the lateral hypothalamus of food-deprived rats. *Brain Research Bulletin*, **1990**, 25, 803-7	3.9	29
34	Capillary electrophoresis-laser-induced fluorescence detection of amphetamine in the brain. *Journal of Chromatography A*, **1996**, 735, 263-9	4.5	28
33	Systemic sulpiride increases dopamine metabolites in the lateral hypothalamus. *Pharmacology Biochemistry and Behavior*, **1990**, 37, 227-9	3.9	28
32	In vivo monitoring of gabapentin in rats: a microdialysis study coupled to capillary electrophoresis and laser-induced fluorescence detection. *Electrophoresis*, **1998**, 19, 2976-80	3.6	27
31	Tamoxifen prevents sulpiride-induced weight gain in female rats. *Pharmacology Biochemistry and Behavior*, **1997**, 57, 215-22	3.9	25
30	Melatonin acts on the nucleus accumbens to increase acetylcholine release and modify the motor activity pattern of rats. *Brain Research*, **1999**, 850, 14-20	3.7	25
29	Hypothalamic sites affecting masticatory neurons in rats. *Brain Research Bulletin*, **1991**, 26, 321-5	3.9	22

28	The appetite suppressant, d-fenfluramine, decreases self-stimulation at a feeding site in the lateral hypothalamus. *Pharmacology Biochemistry and Behavior*, **1989**, 32, 411-4	3.9	21
27	The power of integrative peptides to reinforce behavior by releasing dopamine. *Annals of the New York Academy of Sciences*, **1994**, 739, 36-41	6.5	20
26	Mechanism of the sex-dependent effect of lithium on body weight in rats. *Pharmacology Biochemistry and Behavior*, **1991**, 38, 533-7	3.9	20
25	Dopamine increase in the prefrontal cortex correlates with reversal of haloperidol-induced catalepsy in rats. *Brain Research Bulletin*, **1994**, 35, 125-33	3.9	19
24	Differential release of neurotransmitters from superficial and deep layers of the dorsal horn in response to acute noxious stimulation and inflammation of the rat paw. *European Journal of Pain*, **2004**, 8, 245-52	3.7	18
23	Glucose tolerance and serum insulin levels in an animal model of obesity induced by sub-acute or chronic administration of antipsychotic drugs. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **1999**, 23, 277-87	5.5	18
22	Enhancement of amphetamine anorexia after chronic administration of sulpiride in rats. *Pharmacology Biochemistry and Behavior*, **1993**, 45, 45-9	3.9	17
21	Endocrine effects of lithium carbonate in healthy premenopausal women: relationship with body weight regulation. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2000**, 24, 1-16	5.5	16
20	Medial prefrontal transection enhances social interaction. II: neurochemical studies. *Brain Research*, **2000**, 887, 259-65	3.7	13
19	Application of microdialysis to the study of motivation and conditioning: measurements of dopamine and serotonin in freely-behaving rats. *Handbook of Behavioral Neuroscience*, **1991**, 7, 369-385		13
18	Changes in dopamine and acetylcholine release in the rat lateral hypothalamus during deprivation-induced drinking. *Neuroscience Letters*, **1997**, 227, 153-6	3.3	12
17	Arginine and glutamate levels in the gingival crevicular fluid from patients with chronic periodontitis. *Brazilian Dental Journal*, **2008**, 19, 318-22	1.9	12
16	In vivo monitoring of brain neurotransmitter release for the assessment of neuroendocrine interactions. *Cellular and Molecular Neurobiology*, **1996**, 16, 383-96	4.6	12
15	Ventromedial hypothalamus vs. lateral hypothalamic D2 satiety receptors in the body weight increase induced by systemic sulpiride. *Physiology and Behavior*, **1991**, 50, 1161-5	3.5	11
14	In vivo monitoring of cerebral agmatine by microdialysis and capillary electrophoresis. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2012**, 880, 58-65	3.2	10
13	Glucose tolerance and serum insulin levels in an animal model of obesity induced by the antipsychotic drug, sulpiride. *Basic and Clinical Pharmacology and Toxicology*, **1998**, 83, 57-61		10
12	Tonic and phasic alteration in amygdala 5-HT, glutamate and GABA transmission after prefrontal cortex damage in rats. *Brain Research*, **2004**, 1005, 154-63	3.7	10
11	Haloperidol abolished glutamate release evoked by photic stimulation of the visual cortex in rats. *Neuroscience Letters*, **2002**, 327, 149-52	3.3	10

10	Feeding behavior as seen through the prism of brain microdialysis. *Physiology and Behavior*, **2011**, 104, 47-56	3.5	8
9	High-Resolution Nanotechnique for Separation, Characterization, and Quantitation of Micro- and Macromolecules. *ACS Symposium Series*, **1990**, 1-35	0.4	7
8	Neurochemical effects of chronic haloperidol and lithium assessed by brain microdialysis in rats. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **1990**, 14 Suppl, S17-35	5.5	7
7	Amino acid profile of plasma and cerebrospinal fluid in preeclampsia. *Pregnancy Hypertension*, **2012**, 2, 416-22	2.6	6
6	Clozapine-induced acetylcholine release in the rat prefrontal cortex, nucleus accumbens and striatum does not develop tolerance. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **1998**, 22, 1379-1397	5.5	5
5	ANALYSIS OF BRAIN CONSTITUENTS BY CAPILLARY ELECTROPHORESIS **1990**, 203-216		5
4	Simultaneous Measurements of Capillary Electrophoresis Fluorescence Peaks and Their Corresponding Spectra. *Journal of Liquid Chromatography and Related Technologies*, **1995**, 18, 3729-3749		4
3	A practical method for simultaneous multiple intracerebral implantations for microdialysis in rats. *Brain Research Protocols*, **1998**, 2, 141-8		3
2	Analysis of Cyclic Nucleotides by Capillary Electrophoresis Using Ultraviolet Detection. *ACS Symposium Series*, **1990**, 50-59	0.4	3
1	Chapter 3.3 Improvement of the temporal resolution of brain microdialysis: sampling in seconds. *Handbook of Behavioral Neuroscience*, **2006**, 16, 267-277	0.7	