

Luis Hernandez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A ketogenic diet modifies glutamate, gamma-aminobutyric acid and agmatine levels in the hippocampus of rats: A microdialysis study. <i>Neuroscience Letters</i> , 2017 , 642, 158-162	3.3	35
80	In vivo monitoring of cerebral agmatine by microdialysis and capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 880, 58-65	3.2	10
79	Amino acid profile of plasma and cerebrospinal fluid in preeclampsia. <i>Pregnancy Hypertension</i> , 2012 , 2, 416-22	2.6	6
78	Feeding behavior as seen through the prism of brain microdialysis. <i>Physiology and Behavior</i> , 2011 , 104, 47-56	3.5	8
77	Neuregulin-1 regulates LTP at CA1 hippocampal synapses through activation of dopamine D4 receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15587-92	11.5	107
76	Arginine and glutamate levels in the gingival crevicular fluid from patients with chronic periodontitis. <i>Brazilian Dental Journal</i> , 2008 , 19, 318-22	1.9	12
75	Chapter 3.3 Improvement of the temporal resolution of brain microdialysis: sampling in seconds. <i>Handbook of Behavioral Neuroscience</i> , 2006 , 16, 267-277	0.7	
74	Tonic and phasic alteration in amygdala 5-HT, glutamate and GABA transmission after prefrontal cortex damage in rats. <i>Brain Research</i> , 2004 , 1005, 154-63	3.7	10
73	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. <i>European Journal of Pain</i> , 2004 , 8, 245-52	3.7	18
72	The antipsychotic drug sulpiride does not affect bodyweight in male rats. Is insulin resistance involved?. <i>European Journal of Pharmacology</i> , 2002 , 447, 91-8	5.3	41
71	Haloperidol abolished glutamate release evoked by photic stimulation of the visual cortex in rats. <i>Neuroscience Letters</i> , 2002 , 327, 149-52	3.3	10
70	Antipsychotic drugs and obesity: is prolactin involved?. <i>Canadian Journal of Psychiatry</i> , 2001 , 46, 829-34	4.8	37
69	Biomedical applications of capillary electrophoresis with laser-induced fluorescence detection. <i>Biopharmaceutics and Drug Disposition</i> , 2001 , 22, 273-89	1.7	41
68	Extracellular glutamate, aspartate and arginine increase in the ventral posterolateral thalamic nucleus during nociceptive stimulation. <i>Brain Research</i> , 2001 , 923, 45-9	3.7	34
67	Medial prefrontal transection enhances social interaction. II: neurochemical studies. <i>Brain Research</i> , 2000 , 887, 259-65	3.7	13
66	Noxious stimulation increases glutamate and arginine in the periaqueductal gray matter in rats: a microdialysis study. <i>Pain</i> , 2000 , 87, 131-135	8	29
65	Endocrine effects of lithium carbonate in healthy premenopausal women: relationship with body weight regulation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2000 , 24, 1-16	5.5	16

64	Melatonin acts on the nucleus accumbens to increase acetylcholine release and modify the motor activity pattern of rats. <i>Brain Research</i> , 1999 , 850, 14-20	3.7	25
63	Glucose tolerance and serum insulin levels in an animal model of obesity induced by sub-acute or chronic administration of antipsychotic drugs. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1999 , 23, 277-87	5.5	18
62	Measurement of glutamine and glutamate by capillary electrophoresis and laser induced fluorescence detection in cerebrospinal fluid of meningitis sick children. <i>Clinical Biochemistry</i> , 1998 , 31, 143-50	3.5	41
61	Glucose tolerance and serum insulin levels in an animal model of obesity induced by the antipsychotic drug, sulpiride. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1998 , 83, 57-61		10
60	Role of glutamate in the amygdala and lateral hypothalamus in conditioned taste aversion. <i>Brain Research</i> , 1998 , 813, 44-9	3.7	38
59	Effect of precipitated withdrawal on extracellular glutamate and aspartate in the nucleus accumbens of chronically morphine-treated rats: an in vivo microdialysis study. <i>Pharmacology Biochemistry and Behavior</i> , 1998 , 60, 255-62	3.9	71
58	In vivo monitoring of gabapentin in rats: a microdialysis study coupled to capillary electrophoresis and laser-induced fluorescence detection. <i>Electrophoresis</i> , 1998 , 19, 2976-80	3.6	27
57	Mechanism of the neuroleptic-induced obesity in female rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1998 , 22, 187-98	5.5	38
56	Clozapine-induced acetylcholine release in the rat prefrontal cortex, nucleus accumbens and striatum does not develop tolerance. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1998 , 22, 1379-1397	5.5	5
55	A practical method for simultaneous multiple intracerebral implantations for microdialysis in rats. <i>Brain Research Protocols</i> , 1998 , 2, 141-8		3
54	Changes in dopamine and acetylcholine release in the rat lateral hypothalamus during deprivation-induced drinking. <i>Neuroscience Letters</i> , 1997 , 227, 153-6	3.3	12
53	Tamoxifen prevents sulpiride-induced weight gain in female rats. <i>Pharmacology Biochemistry and Behavior</i> , 1997 , 57, 215-22	3.9	25
52	Glutamate measured by 6-s resolution brain microdialysis: capillary electrophoretic and laser-induced fluorescence detection application. <i>Biomedical Applications</i> , 1997 , 694, 343-9		56
51	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. <i>Biomedical Applications</i> , 1997 , 697, 37-66		92
50	Diabetes decreases limbic extracellular dopamine in rats. <i>Neuroscience Letters</i> , 1996 , 202, 141-4	3.3	42
49	Systemic and local cocaine increase extracellular serotonin in the nucleus accumbens. <i>Pharmacology Biochemistry and Behavior</i> , 1996 , 53, 747-52	3.9	41
48	In vivo monitoring of brain neurotransmitter release for the assessment of neuroendocrine interactions. <i>Cellular and Molecular Neurobiology</i> , 1996 , 16, 383-96	4.6	12
47	Capillary electrophoresis-laser-induced fluorescence detection of amphetamine in the brain. <i>Journal of Chromatography A</i> , 1996 , 735, 263-9	4.5	28

46	Chronic clozapine selectively decreases prefrontal cortex dopamine as shown by simultaneous cortical, accumbens, and striatal microdialysis in freely moving rats. <i>Pharmacology Biochemistry and Behavior</i> , 1995 , 52, 581-9	3.9	32
45	Simultaneous Measurements of Capillary Electrophoresis Fluorescence Peaks and Their Corresponding Spectra. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995 , 18, 3729-3749		4
44	Chronic food deprivation decreases extracellular dopamine in the nucleus accumbens: implications for a possible neurochemical link between weight loss and drug abuse. <i>Obesity</i> , 1995 , 3 Suppl 4, 525S-529S		52
43	The power of integrative peptides to reinforce behavior by releasing dopamine. <i>Annals of the New York Academy of Sciences</i> , 1994 , 739, 36-41	6.5	20
42	Testosterone modulates mesolimbic dopaminergic activity in male rats. <i>Neuroscience Letters</i> , 1994 , 171, 172-4	3.3	54
41	Dopamine increase in the prefrontal cortex correlates with reversal of haloperidol-induced catalepsy in rats. <i>Brain Research Bulletin</i> , 1994 , 35, 125-33	3.9	19
40	In Vivo Monitoring of Brain Glutamate by Microdialysis Coupled to Capillary Electrophoresis and Laser Induced Fluorescence Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993 , 16, 2149-2160		43
39	Colinear laser-induced fluorescence detector for capillary electrophoresis. Analysis of glutamic acid in brain dialysates. <i>Journal of Chromatography A</i> , 1993 , 652, 399-405	4.5	38
38	Enhancement of amphetamine anorexia after chronic administration of sulpiride in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1993 , 45, 45-9	3.9	17
37	Effects of long-term administration of clozapine on body weight and food intake in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1993 , 45, 51-4	3.9	45
36	In vivo monitoring of glutamate in the brain by microdialysis and capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 1993 , 652, 393-8	4.5	69
35	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. <i>Biomedical Applications</i> , 1992 , 581, 257-66		29
34	Laser-induced fluorescence and fluorescence microscopy for capillary electrophoresis zone detection. <i>Journal of Chromatography A</i> , 1991 , 559, 183-196	4.5	98
33	Mechanism of the sex-dependent effect of lithium on body weight in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1991 , 38, 533-7	3.9	20
32	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. <i>Psychopharmacology</i> , 1991 , 105, 264-8	4.7	39
31	Ventromedial hypothalamus vs. lateral hypothalamic D2 satiety receptors in the body weight increase induced by systemic sulpiride. <i>Physiology and Behavior</i> , 1991 , 50, 1161-5	3.5	11
30	Hypothalamic sites affecting masticatory neurons in rats. <i>Brain Research Bulletin</i> , 1991 , 26, 321-5	3.9	22
29	Application of microdialysis to the study of motivation and conditioning: measurements of dopamine and serotonin in freely-behaving rats. <i>Handbook of Behavioral Neuroscience</i> , 1991 , 7, 369-385		13

28	Systemic sulpiride increases dopamine metabolites in the lateral hypothalamus. <i>Pharmacology Biochemistry and Behavior</i> , 1990 , 37, 227-9	3.9	28
27	Detection and quantification of capillary electrophoresis zones by fluorescence microscopy. <i>Journal of Chromatography A</i> , 1990 , 502, 247-255	4.5	41
26	Analysis of Cyclic Nucleotides by Capillary Electrophoresis Using Ultraviolet Detection. <i>ACS Symposium Series</i> , 1990 , 50-59	0.4	3
25	High-Resolution Nanotechnique for Separation, Characterization, and Quantitation of Micro- and Macromolecules. <i>ACS Symposium Series</i> , 1990 , 1-35	0.4	7
24	Tryptophan increases extracellular serotonin in the lateral hypothalamus of food-deprived rats. <i>Brain Research Bulletin</i> , 1990 , 25, 803-7	3.9	29
23	Dopamine in the lateral hypothalamus may be involved in the inhibition of locomotion related to food and water seeking. <i>Brain Research Bulletin</i> , 1990 , 25, 961-8	3.9	32
22	Feeding can enhance dopamine turnover in the prefrontal cortex. <i>Brain Research Bulletin</i> , 1990 , 25, 975-9	3.9	90
21	Neurochemical effects of chronic haloperidol and lithium assessed by brain microdialysis in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1990 , 14 Suppl, S17-35	5.5	7
20	Serotonin release in lateral and medial hypothalamus during feeding and its anticipation. <i>Brain Research Bulletin</i> , 1990 , 25, 797-802	3.9	87
19	ANALYSIS OF BRAIN CONSTITUENTS BY CAPILLARY ELECTROPHORESIS 1990 , 203-216		5
18	The appetite suppressant, d-fenfluramine, decreases self-stimulation at a feeding site in the lateral hypothalamus. <i>Pharmacology Biochemistry and Behavior</i> , 1989 , 32, 411-4	3.9	21
17	Mechanism of the body weight increase induced by systemic sulpiride. <i>Pharmacology Biochemistry and Behavior</i> , 1989 , 33, 45-50	3.9	43
16	Patterns of extracellular 5-hydroxyindoleacetic acid (5-HIAA) in the paraventricular hypothalamus (PVN): relation to circadian rhythm and deprivation-induced eating behavior. <i>Pharmacology Biochemistry and Behavior</i> , 1989 , 33, 257-60	3.9	38
15	Fenfluramine administered systemically or locally increases extracellular serotonin in the lateral hypothalamus as measured by microdialysis. <i>Brain Research</i> , 1989 , 482, 261-70	3.7	97
14	Nicotine infused into the nucleus accumbens increases synaptic dopamine as measured by in vivo microdialysis. <i>Brain Research</i> , 1989 , 478, 365-7	3.7	174
13	Feeding increases extracellular serotonin in the lateral hypothalamus of the rat as measured by microdialysis. <i>Brain Research</i> , 1989 , 479, 349-54	3.7	101
12	Patterns of extracellular norepinephrine in the paraventricular hypothalamus: relationship to circadian rhythm and deprivation-induced eating behavior. <i>Life Sciences</i> , 1989 , 45, 275-82	6.8	88
11	Haloperidol given chronically decreases basal dopamine in the prefrontal cortex more than the striatum or nucleus accumbens as simultaneously measured by microdialysis. <i>Brain Research Bulletin</i> , 1989 , 22, 763-9	3.9	75

10	Food intake and lateral hypothalamic self-stimulation covary after medial hypothalamic lesions or ventral midbrain 6-hydroxydopamine injections that cause obesity.. <i>Behavioral Neuroscience</i> , 1989 , 103, 412-422	2.1	29
9	Food reward and cocaine increase extracellular dopamine in the nucleus accumbens as measured by microdialysis. <i>Life Sciences</i> , 1988 , 42, 1705-12	6.8	468
8	Phencyclidine (PCP) injected in the nucleus accumbens increases extracellular dopamine and serotonin as measured by microdialysis. <i>Life Sciences</i> , 1988 , 42, 1713-23	6.8	63
7	Feeding and hypothalamic stimulation increase dopamine turnover in the accumbens. <i>Physiology and Behavior</i> , 1988 , 44, 599-606	3.5	307
6	Hypothalamic infusion of amphetamine increases serotonin, dopamine and norepinephrine. <i>Physiology and Behavior</i> , 1988 , 44, 607-10	3.5	64
5	Simultaneous microdialysis and amphetamine infusion in the nucleus accumbens and striatum of freely moving rats: increase in extracellular dopamine and serotonin. <i>Brain Research Bulletin</i> , 1987 , 19, 623-8	3.9	102
4	Long term administration of some antipsychotic drugs increases body weight and feeding in rats. Are D2 dopamine receptors involved?. <i>Pharmacology Biochemistry and Behavior</i> , 1987 , 27, 399-405	3.9	103
3	A small, removable microdialysis probe. <i>Life Sciences</i> , 1986 , 39, 2629-37	6.8	188
2	Lateral hypothalamic sites eliciting eating affect medullary taste neurons in rats. <i>Physiology and Behavior</i> , 1986 , 36, 829-34	3.5	46
1	Self-injection of amphetamine directly into the brain. <i>Psychopharmacology</i> , 1983 , 81, 158-63	4.7	365