

Luis Hernandez

List of Publications by Year in descending order

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81
papers

4,784
citations

76322

40
h-index

95259

68
g-index

81
all docs

81
docs citations

81
times ranked

2895
citing authors

#	ARTICLE	IF	CITATIONS
1	Food reward and cocaine increase extracellular dopamine in the nucleus accumbens as measured by microdialysis. <i>Life Sciences</i> , 1988, 42, 1705-1712.	4.3	527
2	Self-injection of amphetamine directly into the brain. <i>Psychopharmacology</i> , 1983, 81, 158-163.	3.1	399
3	Feeding and hypothalamic stimulation increase dopamine turnover in the accumbens. <i>Physiology and Behavior</i> , 1988, 44, 599-606.	2.1	330
4	A small, removable microdialysis probe. <i>Life Sciences</i> , 1986, 39, 2629-2637.	4.3	202
5	Nicotine infused into the nucleus accumbens increases synaptic dopamine as measured by in vivo microdialysis. <i>Brain Research</i> , 1989, 478, 365-367.	2.2	182
6	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, 15587-15592.	7.1	126
7	Laser-induced fluorescence and fluorescence microscopy for capillary electrophoresis zone detection. <i>Journal of Chromatography A</i> , 1991, 559, 183-196.	3.7	116
8	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.	2.9	115
9	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, 623-628.	3.0	112
10	Feeding increases extracellular serotonin in the lateral hypothalamus of the rat as measured by microdialysis. <i>Brain Research</i> , 1989, 479, 349-354.	2.2	112
11	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.	1.7	105
12	Fenfluramine administered systemically or locally increases extracellular serotonin in the lateral hypothalamus as measured by microdialysis. <i>Brain Research</i> , 1989, 482, 261-270.	2.2	99
13	Feeding can enhance dopamine turnover in the prefrontal cortex. <i>Brain Research Bulletin</i> , 1990, 25, 975-979.	3.0	97
14	Patterns of extracellular norepinephrine in the paraventricular hypothalamus: Relationship to circadian rhythm and deprivation-induced eating behavior. <i>Life Sciences</i> , 1989, 45, 275-282.	4.3	96
15	Serotonin release in lateral and medial hypothalamus during feeding and its anticipation. <i>Brain Research Bulletin</i> , 1990, 25, 797-802.	3.0	92
16	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, 763-769.	3.0	78
17	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, 393-398.	3.7	76
18	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, 255-262.	2.9	74

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19	Phencyclidine (PCP) injected in the nucleus accumbens increases extracellular dopamine and serotonin as measured by microdialysis. <i>Life Sciences</i> , 1988, 42, 1713-1723.	4.3	68
20	Hypothalamic infusion of amphetamine increases serotonin, dopamine and norepinephrine. <i>Physiology and Behavior</i> , 1988, 44, 607-610.	2.1	68
21	Testosterone modulates mesolimbic dopaminergic activity in male rats. <i>Neuroscience Letters</i> , 1994, 171, 172-174.	2.1	63
22	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, 525S-529S.	4.0	59
23	Glutamate measured by 6-s resolution brain microdialysis: capillary electrophoretic and laser-induced fluorescence detection application. <i>Biomedical Applications</i> , 1997, 694, 343-349.	1.7	58
24	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.	2.1	56
25	Biomedical applications of capillary electrophoresis with laser-induced fluorescence detection. <i>Biopharmaceutics and Drug Disposition</i> , 2001, 22, 273-289.	1.9	52
26	Lateral hypothalamic sites eliciting eating affect medullary taste neurons in rats. <i>Physiology and Behavior</i> , 1986, 36, 829-834.	2.1	50
27	Detection and quantification of capillary electrophoresis zones by fluorescence microscopy. <i>Journal of Chromatography A</i> , 1990, 502, 247-255.	3.7	48
28	Effects of long-term administration of clozapine on body weight and food intake in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1993, 45, 51-54.	2.9	48
29	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.	1.0	48
30	Collinear laser-induced fluorescence detector for capillary electrophoresis. <i>Journal of Chromatography A</i> , 1993, 652, 399-405.	3.7	46
31	Diabetes decreases limbic extracellular dopamine in rats. <i>Neuroscience Letters</i> , 1996, 202, 141-144.	2.1	46
32	The antipsychotic drug sulpiride does not affect bodyweight in male rats. Is insulin resistance involved?. <i>European Journal of Pharmacology</i> , 2002, 447, 91-98.	3.5	46
33	Mechanism of the body weight increase induced by systemic sulpiride. <i>Pharmacology Biochemistry and Behavior</i> , 1989, 33, 45-50.	2.9	45
34	Role of glutamate in the amygdala and lateral hypothalamus in conditioned taste aversion. <i>Brain Research</i> , 1998, 813, 44-49.	2.2	45
35	Systemic and local cocaine increase extracellular serotonin in the nucleus accumbens. <i>Pharmacology Biochemistry and Behavior</i> , 1996, 53, 747-752.	2.9	44
36	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, 143-150.	1.9	42

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37	Antipsychotic Drugs and Obesity: Is Prolactin Involved?. Canadian Journal of Psychiatry, 2001, 46, 829-834.	1.9	42
38	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, 257-260.	2.9	40
39	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, 264-268.	3.1	40
40	Mechanism of the neuroleptic-induced obesity in female rats. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1998, 22, 187-198.	4.8	40
41	Dopamine in the lateral hypothalamus may be involved in the inhibition of locomotion related to food and water seeking. Brain Research Bulletin, 1990, 25, 961-968.	3.0	39
42	Extracellular glutamate, aspartate and arginine increase in the ventral posterolateral thalamic nucleus during nociceptive stimulation. Brain Research, 2001, 923, 45-49.	2.2	37
43	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, 257-266.	1.7	34
44	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, 581-589.	2.9	32
45	Capillary electrophoresis-laser-induced fluorescence detection of amphetamine in the brain. Journal of Chromatography A, 1996, 735, 263-269.	3.7	32
46	In vivo monitoring of gabapentin in rats: A microdialysis study coupled to capillary electrophoresis and laser-induced fluorescence detection. Electrophoresis, 1998, 19, 2976-2980.	2.4	32
47	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.	1.2	29
48	Tryptophan increases extracellular serotonin in the lateral hypothalamus of food-deprived rats. Brain Research Bulletin, 1990, 25, 803-807.	3.0	29
49	Melatonin acts on the nucleus accumbens to increase acetylcholine release and modify the motor activity pattern of rats. Brain Research, 1999, 850, 14-20.	2.2	29
50	Noxious stimulation increases glutamate and arginine in the periaqueductal gray matter in rats: a microdialysis study. Pain, 2000, 87, 131-135.	4.2	29
51	Systemic sulpiride increases dopamine metabolites in the lateral hypothalamus. Pharmacology Biochemistry and Behavior, 1990, 37, 227-229.	2.9	28
52	Tamoxifen Prevents Sulpiride-Induced Weight Gain in Female Rats. Pharmacology Biochemistry and Behavior, 1997, 57, 215-222.	2.9	25
53	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.	4.8	25
54	The appetite suppressant, d-fenfluramine, decreases self-stimulation at a feeding site in the lateral hypothalamus. Pharmacology Biochemistry and Behavior, 1989, 32, 411-414.	2.9	23

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55	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.	3.8	23
56	Hypothalamic sites affecting masticatory neurons in rats. <i>Brain Research Bulletin</i> , 1991, 26, 321-325.	3.0	22
57	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, 277-287.	4.8	21
58	Mechanism of the sex-dependent effect of lithium on body weight in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1991, 38, 533-537.	2.9	20
59	Dopamine increase in the prefrontal cortex correlates with reversal of haloperidol-induced catalepsy in rats. <i>Brain Research Bulletin</i> , 1994, 35, 125-133.	3.0	20
60	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, 245-252.	2.8	20
61	Enhancement of amphetamine anorexia after chronic administration of sulpiride in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1993, 45, 45-49.	2.9	18
62	Medial prefrontal transection enhances social interaction. <i>Brain Research</i> , 2000, 887, 259-265.	2.2	16
63	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.	0.0	16
64	Tonic and phasic alteration in amygdala 5-HT, glutamate and GABA transmission after prefrontal cortex damage in rats. <i>Brain Research</i> , 2004, 1005, 154-163.	2.2	15
65	Arginine and glutamate levels in the gingival crevicular fluid from patients with chronic periodontitis. <i>Brazilian Dental Journal</i> , 2008, 19, 318-322.	1.1	13
66	Ventromedial hypothalamus vs. lateral hypothalamic D2 satiety receptors in the body weight increase induced by systemic sulpiride. <i>Physiology and Behavior</i> , 1991, 50, 1161-1165.	2.1	12
67	In vivo monitoring of brain neurotransmitter release for the assessment of neuroendocrine interactions. <i>Cellular and Molecular Neurobiology</i> , 1996, 16, 383-396.	3.3	12
68	Changes in dopamine and acetylcholine release in the rat lateral hypothalamus during deprivation-induced drinking. <i>Neuroscience Letters</i> , 1997, 227, 153-156.	2.1	12
69	Haloperidol abolished glutamate release evoked by photic stimulation of the visual cortex in rats. <i>Neuroscience Letters</i> , 2002, 327, 149-152.	2.1	11
70	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.	2.3	11
71	High-Resolution Nanotechnology for Separation, Characterization, and Quantitation of Micro- and Macromolecules. <i>ACS Symposium Series</i> , 1990, , 1-35.	0.5	10
72	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.	0.0	10

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73	Feeding behavior as seen through the prism of brain microdialysis. <i>Physiology and Behavior</i> , 2011, 104, 47-56.	2.1	9
74	Neurochemical effects of chronic haloperidol and lithium assessed by brain microdialysis in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1990, 14, S17-S35.	4.8	7
75	Amino acid profile of plasma and cerebrospinal fluid in preeclampsia. <i>Pregnancy Hypertension</i> , 2012, 2, 416-422.	1.4	7
76	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.	4.8	6
77	Analysis of Cyclic Nucleotides by Capillary Electrophoresis Using Ultraviolet Detection. <i>ACS Symposium Series</i> , 1990, , 50-59.	0.5	5
78	Simultaneous Measurements of Capillary Electrophoresis Fluorescence Peaks and Their Corresponding Spectra. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1995, 18, 3729-3749.	1.0	5
79	ANALYSIS OF BRAIN CONSTITUENTS BY CAPILLARY ELECTROPHORESIS. , 1990, , 203-216.		5
80	A practical method for simultaneous multiple intracerebral implantations for microdialysis in rats. <i>Brain Research Protocols</i> , 1998, 2, 141-148.	1.6	3
81	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	0