

# Loren J Martin

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

4,567  
citations

201674

27  
h-index

197818

49  
g-index

54  
all docs

54  
docs citations

54  
times ranked

6387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Different immune cells mediate mechanical pain hypersensitivity in male and female mice. <i>Nature Neuroscience</i> , 2015, 18, 1081-1083.	14.8	1,041
2	Olfactory exposure to males, including men, causes stress and related analgesia in rodents. <i>Nature Methods</i> , 2014, 11, 629-632.	19.0	699
3	The Rat Grimace Scale: A Partially Automated Method for Quantifying Pain in the Laboratory Rat via Facial Expressions. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-55.	2.1	521
4	Suppression of hippocampal TRPM7 protein prevents delayed neuronal death in brain ischemia. <i>Nature Neuroscience</i> , 2009, 12, 1300-1307.	14.8	259
5	$\hat{A}5$ GABAA Receptors Mediate the Amnestic But Not Sedative-Hypnotic Effects of the General Anesthetic Etomidate. <i>Journal of Neuroscience</i> , 2006, 26, 3713-3720.	3.6	219
6	Reducing Social Stress Elicits Emotional Contagion of Pain in Mouse and Human Strangers. <i>Current Biology</i> , 2015, 25, 326-332.	3.9	189
7	$\hat{I}\pm 5$ GABA <sub>A</sub> Receptor Activity Sets the Threshold for Long-Term Potentiation and Constrains Hippocampus-Dependent Memory. <i>Journal of Neuroscience</i> , 2010, 30, 5269-5282.	3.6	156
8	$\hat{I}\pm 5$ GABA <sub>A</sub> Receptors Regulate the Intrinsic Excitability of Mouse Hippocampal Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 2007, 98, 2244-2254.	1.8	109
9	Modulation of NMDA Receptors by Pituitary Adenylate Cyclase Activating Peptide in CA1 Neurons Requires G $\hat{A}q$ , Protein Kinase C, and Activation of Src. <i>Journal of Neuroscience</i> , 2005, 25, 11374-11384.	3.6	103
10	Short-term Memory Impairment after Isoflurane in Mice Is Prevented by the $\hat{I}\pm 5$ $\hat{I}^3$ -Aminobutyric Acid Type A Receptor Inverse Agonist L-655,708. <i>Anesthesiology</i> , 2010, 113, 1061-1071.	2.5	99
11	The Use of DREADDs to Deconstruct Behavior. <i>Frontiers in Genetics</i> , 2016, 7, 70.	2.3	95
12	Epiregulin and EGFR interactions are involved in pain processing. <i>Journal of Clinical Investigation</i> , 2017, 127, 3353-3366.	8.2	85
13	Etomidate Targets $\hat{I}\pm 5$ $\hat{I}^3$ -Aminobutyric Acid Subtype A Receptors to Regulate Synaptic Plasticity and Memory Blockade. <i>Anesthesiology</i> , 2009, 111, 1025-1035.	2.5	83
14	Behavioral and mechanistic insight into rodent empathy. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 91, 130-137.	6.1	76
15	The nicotinic $\hat{I}\pm 6$ subunit gene determines variability in chronic pain sensitivity via cross-inhibition of P2X2/3 receptors. <i>Science Translational Medicine</i> , 2015, 7, 287ra72.	12.4	59
16	Genetic pathway analysis reveals a major role for extracellular matrix organization in inflammatory and neuropathic pain. <i>Pain</i> , 2019, 160, 932-944.	4.2	53
17	Male-Specific Conditioned Pain Hypersensitivity in Mice and Humans. <i>Current Biology</i> , 2019, 29, 192-201.e4.	3.9	53
18	The Interaction Between Pain and Social Behavior in Humans and Rodents. <i>Current Topics in Behavioral Neurosciences</i> , 2014, 20, 233-250.	1.7	52

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19	Learning and memory in agmatine-treated rats. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 72, 551-557.	2.9	50
20	$\hat{1}\pm 5$ Subunit-containing GABAA receptors mediate a slowly decaying inhibitory synaptic current in CA1 pyramidal neurons following Schaffer collateral activation. <i>Neuropharmacology</i> , 2010, 58, 668-675.	4.1	44
21	Acutely increasing $\hat{1}\pm 5$ GABAA receptor activity impairs memory and inhibits synaptic plasticity in the hippocampus. <i>Frontiers in Neural Circuits</i> , 2013, 7, 146.	2.8	43
22	The role of hedonics in the Human Affectome. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 102, 221-241.	6.1	38
23	eIF2 $\hat{1}\pm$ phosphorylation controls thermal nociception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11949-11954.	7.1	37
24	Cage-lid hanging behavior as a translationally relevant measure of pain in mice. <i>Pain</i> , 2021, 162, 1416-1425.	4.2	35
25	Evaluating analgesic efficacy and administration route following craniotomy in mice using the grimace scale. <i>Scientific Reports</i> , 2019, 9, 359.	3.3	34
26	Translational control of nociception via 4E-binding protein 1. <i>ELife</i> , 2015, 4, .	6.0	34
27	The physiological properties and therapeutic potential of $\hat{1}\pm 5$ -GABAA receptors. <i>Biochemical Society Transactions</i> , 2009, 37, 1334-1337.	3.4	32
28	Differences in the Antinociceptive Effects and Binding Properties of Propranolol and Bupranolol Enantiomers. <i>Journal of Pain</i> , 2015, 16, 1321-1333.	1.4	27
29	Sex-specific effects of the histone variant H2A.Z on fear memory, stress-enhanced fear learning and hypersensitivity to pain. <i>Scientific Reports</i> , 2020, 10, 14331.	3.3	22
30	Quantifying Social Motivation in Mice Using Operant Conditioning. <i>Journal of Visualized Experiments</i> , 2015, , e53009.	0.3	18
31	The dichotomous role of epiregulin in pain. <i>Pain</i> , 2020, 161, 1052-1064.	4.2	17
32	Social propinquity in rodents as measured by tube cooccupancy differs between inbred and outbred genotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5515-5520.	7.1	15
33	Revealing brain mechanisms of mTOR-mediated translational regulation: Implications for chronic pain. <i>Neurobiology of Pain (Cambridge, Mass )</i> , 2018, 4, 27-34.	2.5	14
34	Spatial Heterogeneity Not Homogeneity of the Magnetic Field during Exposures to Complex Frequency-Modulated Patterns Facilitates Analgesia. <i>Perceptual and Motor Skills</i> , 2003, 96, 1005-1012.	1.3	13
35	D1 receptors in the anterior cingulate cortex modulate basal mechanical sensitivity threshold and glutamatergic synaptic transmission. <i>Molecular Brain</i> , 2020, 13, 121.	2.6	13
36	Thermal analgesia induced by 30-min exposure to 1 $\hat{1}\frac{3}{4}$ T burst-firing magnetic fields is strongly enhanced in a dose-dependent manner by the $\hat{1}\pm 2$ agonist clonidine in rats. <i>Neuroscience Letters</i> , 2004, 366, 226-229.	2.1	12

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37	Î±2-Adrenergic inhibition prevents the accompanied anticonvulsant effect of swim stress on behavioral convulsions induced by lithium and pilocarpine. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 79, 309-316.	2.9	11
38	Bridging the Translational Divide in Pain Research: Biological, Psychological and Social Considerations. <i>Frontiers in Pharmacology</i> , 2021, 12, 603186.	3.5	11
39	The sedative but not the memory-blocking properties of ethanol are modulated by Î±5-subunit-containing Î³-aminobutyric acid type A receptors. <i>Behavioural Brain Research</i> , 2011, 217, 379-385.	2.2	10
40	Conditioned pain modulation in rodents can feature hyperalgesia or hypoalgesia depending on test stimulus intensity. <i>Pain</i> , 2019, 160, 784-792.	4.2	10
41	Characterizing Sex Differences in Depressive-Like Behavior and Glial Brain Cell Changes Following Peripheral Nerve Injury in Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 758251.	2.0	9
42	Molecular genetic mechanisms of allelic specific regulation of murine Comt expression. <i>Pain</i> , 2015, 156, 1965-1977.	4.2	8
43	Prelimbic cortex glucocorticoid receptors regulate the stress-mediated inhibition of pain contagion in male mice. <i>Neuropsychopharmacology</i> , 2021, 46, 1183-1193.	5.4	8
44	Chronic administration of the L-type calcium channel blocker nimodipine can facilitate the acquisition of sequence learning in a radial-arm maze. <i>Behavioural Pharmacology</i> , 2004, 15, 133-139.	1.7	7
45	Naked mole-rats lack cold sensitivity before and after nerve injury. <i>Molecular Pain</i> , 2020, 16, 174480692095510.	2.1	7
46	Altered nociceptive behavior and emotional contagion of pain in mouse models of autism. <i>Genes, Brain and Behavior</i> , 2022, 21, e12778.	2.2	7
47	Toward a phenomic analysis of chronic postsurgical pain following cardiac surgery. <i>Canadian Journal of Pain</i> , 2019, 3, 58-69.	1.7	6
48	Can Male Mice Develop Preference Towards Gentle Stroking by an Experimenter?. <i>Neuroscience</i> , 2021, 464, 26-32.	2.3	6
49	Bridging the Gap Between People and Animals: The Roots of Social Behavior and Its Relationship to Pain. , 2018, , 197-217.		3
50	Lost in Translation: Improving Our Understanding of Pain Empathy. , 2018, , 123-135.		2