

Luis Villanueva

List of Publications by Year in descending order

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54
papers

2,194
citations

218677

26
h-index

243625

44
g-index

93
all docs

93
docs citations

93
times ranked

1647
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of the subnucleus reticularis dorsalis in diffuse noxious inhibitory controls in the rat. <i>Brain Research</i> , 1992, 595, 353-357.	2.2	174
2	Organization of the efferent projections from the spinal cervical enlargement to the parabrachial area and periaqueductal gray. A PHA-L study in the rat. <i>Journal of Comparative Neurology</i> , 1995, 353, 480-505.	1.6	174
3	Paraventricular Hypothalamic Regulation of Trigeminovascular Mechanisms Involved in Headaches. <i>Journal of Neuroscience</i> , 2013, 33, 8827-8840.	3.6	120
4	Depression of activities of dorsal horn convergent neurones by propriospinal mechanisms triggered by noxious inputs; comparison with diffuse noxious inhibitory controls (DNIC). <i>Brain Research</i> , 1983, 275, 1-11.	2.2	115
5	Differential projections to the intralaminar and gustatory thalamus from the parabrachial area: A PHA-L study in the rat. , 1999, 405, 421-449.		106
6	Changes of Meningeal Excitability Mediated by Corticotrigeminal Networks: A Link for the Endogenous Modulation of Migraine Pain. <i>Journal of Neuroscience</i> , 2010, 30, 14420-14429.	3.6	99
7	Diffuse Noxious Inhibitory Controls (DNIC) in Animals and in Man. <i>Acupuncture in Medicine</i> , 1991, 9, 47-56.	1.0	72
8	Organization of diencephalic projections from the medullary subnucleus reticularis dorsalis and the adjacent cuneate nucleus: A retrograde and anterograde tracer study in the rat. <i>Journal of Comparative Neurology</i> , 1998, 390, 133-160.	1.6	70
9	Parabrachial Internal Lateral Neurons Convey Nociceptive Messages from the Deep Laminae of the Dorsal Horn to the Intralaminar Thalamus. <i>Journal of Neuroscience</i> , 2001, 21, 2159-2165.	3.6	70
10	Dorsal horn (convergent) neurones in the intact anaesthetized arthritic rat. I. Segmental excitatory influences. <i>Pain</i> , 1987, 28, 81-98.	4.2	69
11	Paraventricular oxytocinergic hypothalamic prevention or interruption of long-term potentiation in dorsal horn nociceptive neurons: Electrophysiological and behavioral evidence. <i>Pain</i> , 2009, 144, 320-328.	4.2	67
12	Chapter 20 Electrophysiological evidence for the activation of descending inhibitory controls by nociceptive afferent pathways. <i>Progress in Brain Research</i> , 1988, 77, 275-299.	1.4	66
13	Ventromedial Thalamic Neurons Convey Nociceptive Signals from the Whole Body Surface to the Dorsolateral Neocortex. <i>Journal of Neuroscience</i> , 1999, 19, 9063-9072.	3.6	65
14	Distribution of spinal cord projections from the medullary subnucleus reticularis dorsalis and the adjacent cuneate nucleus: A phaseolus vulgaris-leucoagglutinin study in the rat. <i>Journal of Comparative Neurology</i> , 1995, 352, 11-32.	1.6	57
15	Organization of cortical projections to the medullary subnucleus reticularis dorsalis: A retrograde and anterograde tracing study in the rat. <i>Journal of Comparative Neurology</i> , 1999, 410, 178-196.	1.6	57
16	Early alterations of Hedgehog signaling pathway in vascular endothelial cells after peripheral nerve injury elicit blood-nerve barrier disruption, nerve inflammation, and neuropathic pain development. <i>Pain</i> , 2016, 157, 827-839.	4.2	56
17	Corticofugal Output from the Primary Somatosensory Cortex Selectively Modulates Innocuous and Noxious Inputs in the Rat Spinothalamic System. <i>Journal of Neuroscience</i> , 2006, 26, 8441-8450.	3.6	51
18	Effects of systematic morphine on diffuse noxious inhibitory controls: Role of the periaqueductal grey. <i>European Journal of Pharmacology</i> , 1992, 216, 149-156.	3.5	47

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19	Involvement of bulbospinal pathways in the antinociceptive effect of clomipramine in the rat. <i>Brain Research</i> , 1995, 695, 253-256.	2.2	42
20	Evidence that diffuse noxious inhibitory controls (DNIC) are mediated by a final post-synaptic inhibitory mechanism. <i>Brain Research</i> , 1984, 298, 67-74.	2.2	40
21	Diffuse Noxious Inhibitory Control (DNIC) as a tool for exploring dysfunction of endogenous pain modulatory systems. <i>Pain</i> , 2009, 143, 161-162.	4.2	40
22	Dorsal horn (convergent) neurones in the intact anaesthetized arthritic rat. II. Heterotopic inhibitory influences. <i>Pain</i> , 1987, 31, 359-379.	4.2	38
23	Organization of efferent projections from the spinal cervical enlargement to the medullary subnucleus reticularis dorsalis and the adjacent cuneate nucleus: A PHA-L study in the rat. , 1996, 367, 503-517.		35
24	Morphine and diffuse noxious inhibitory controls in the rat: effects of lesions of the rostral ventromedial medulla. <i>European Journal of Pharmacology</i> , 1993, 232, 207-215.	3.5	33
25	The lateral ventromedial thalamic nucleus spreads nociceptive signals from the whole body surface to layer I of the frontal cortex. <i>European Journal of Neuroscience</i> , 2005, 21, 3395-3402.	2.6	33
26	Convergence of cutaneous, muscular and visceral noxious inputs onto ventromedial thalamic neurons in the rat. <i>Pain</i> , 2003, 103, 83-91.	4.2	31
27	Aspects of Sensory Processing through Convergent Neurons. , 1986, , 467-504.		29
28	Cyclotraxin-B, a New TrkB Antagonist, and Glial Blockade by Propentofylline, Equally Prevent and Reverse Cold Allodynia Induced by BDNF or Partial Infraorbital Nerve Constriction in Mice. <i>Journal of Pain</i> , 2012, 13, 579-589.	1.4	28
29	Microglial Janus kinase/signal transduction and activator of transcription 3 pathway activity directly impacts astrocyte and spinal neuron characteristics. <i>Journal of Neurochemistry</i> , 2016, 136, 133-147.	3.9	28
30	Effects of systemic morphine upon $\text{A}\delta$ - and C-fibre evoked activities of subnucleus reticularis dorsalis neurones in the rat medulla. <i>European Journal of Pharmacology</i> , 1989, 164, 85-92.	3.5	27
31	Computer-assisted reconstruction of axonal arborizations anterogradely labelled with the Phaseolus vulgaris leucoagglutinin technique. <i>Journal of Neuroscience Methods</i> , 1993, 50, 217-224.	2.5	26
32	Indirect effects of intrathecal morphine upon diffuse noxious inhibitory controls (DNICs) in the rat. <i>Pain</i> , 1986, 26, 233-243.	4.2	24
33	Repetitive transcranial magnetic stimulation (rTMS) as a tool for the treatment of chronic visceral pain. <i>European Journal of Pain</i> , 2011, 15, 1-2.	2.8	23
34	Effects of tizanidine (DS 103-282) on dorsal horn convergent neurones in the rat. <i>Pain</i> , 1988, 35, 187-197.	4.2	20
35	Dendritic domains of nociceptive-responsive parabrachial neurons match terminal fields of lamina I neurons in the rat. <i>Journal of Comparative Neurology</i> , 2003, 464, 238-256.	1.6	20
36	Is there a gap between preclinical and clinical studies of analgesia?. <i>Trends in Pharmacological Sciences</i> , 2000, 21, 461-462.	8.7	18

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37	Could an endoneurial endothelial crosstalk between Wnt/ β -catenin and Sonic Hedgehog pathways underlie the early disruption of the infraorbital blood-nerve barrier following chronic constriction injury?. <i>Molecular Pain</i> , 2017, 13, 174480691772762.	2.1	16
38	Spatial encoding properties of subnucleus reticularis dorsalis neurons in the rat medulla. <i>Brain Research</i> , 2000, 873, 131-134.	2.2	15
39	Intracerebroventricular morphine restores the basic somesthetic activity of dorsal horn convergent neurones in the rat. <i>European Journal of Pharmacology</i> , 1988, 148, 273-277.	3.5	14
40	Systemic morphine selectively depresses a thalamic link of widespread nociceptive inputs in the rat. <i>European Journal of Pain</i> , 2002, 6, 81-87.	2.8	12
41	Differential metabolic activity in the brain during deep halothane anesthesia. A qualitative study using [3 H]deoxyglucose. <i>Neuroscience Letters</i> , 1986, 71, 1-6.	2.1	9
42	Burst-Like Subcutaneous Electrical Stimulation Induces BDNF-Mediated, Cyclotraxin B-Sensitive Central Sensitization in Rat Spinal Cord. <i>Frontiers in Pharmacology</i> , 2018, 9, 1143.	3.5	9
43	Failure of ES 52, a highly potent enkephalinase inhibitor, to affect nociceptive transmission by rat dorsal horn convergent neurones. <i>Brain Research</i> , 1985, 333, 156-160.	2.2	8
44	Chapter 8 Ascending nociceptive pathways. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2006, 81, 93-102.	1.8	6
45	Lesions of dorsolateral funiculi (DLF) do not affect the depressive effects of systemic morphine upon dorsal horn convergent neuronal activities related to pain in the rat. <i>Brain Research</i> , 1986, 377, 397-402.	2.2	4
46	Altered Cortical Trigeminal Fields Excitability by Spreading Depolarization Revealed with <i>in Vivo</i> Functional Ultrasound Imaging Combined with Electrophysiology. <i>Journal of Neuroscience</i> , 2022, 42, 6295-6308.	3.6	3
47	How Does Migraine Attack Stop?. <i>Headache</i> , 2012, 52, 188-188.	3.9	2
48	Organization of diencephalic projections from the medullary subnucleus reticularis dorsalis and the adjacent cuneate nucleus: A retrograde and anterograde tracer study in the rat. <i>Journal of Comparative Neurology</i> , 1998, 390, 133-160.	1.6	2
49	The Multiplicity of Ascending Pain Pathways. , 1998, , .		2
50	Organization of cortical projections to the medullary subnucleus reticularis dorsalis: A retrograde and anterograde tracing study in the rat. <i>Journal of Comparative Neurology</i> , 1999, 410, 178-196.	1.6	1
51	Sensory motor cortex, maladaptative changes and impaired orofacial functions. <i>Archives of Oral Biology</i> , 2011, 56, 1437-1439.	1.8	0
52	In Memoriam Jean-Marie Besson 1938-2014. <i>European Journal of Pain</i> , 2015, 19, 871-876.	2.8	0
53	In Memoriam Jean-Marie Besson 1938 to 2014. <i>Pain</i> , 2015, 156, 2399-2401.	4.2	0
54	Oral and Craniofacial Pain: Contribution of Endogenous, Central Modulation Mechanisms. , 2017, , 47-61.		0