

Lino Becerra

List of Publications by Citations

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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.

58
papers

2,317
citations

26
h-index

47
g-index

58
ext. papers

2,865
ext. citations

5
avg, IF

4.89
L-index

#	Paper	IF	Citations
58	Thalamic sensitization transforms localized pain into widespread allodynia. <i>Annals of Neurology</i> , 2010 , 68, 81-91	9.4	273
57	A key role of the basal ganglia in pain and analgesia--insights gained through human functional imaging. <i>Molecular Pain</i> , 2010 , 6, 27	3.4	194
56	Anatomical guidance for functional near-infrared spectroscopy: AtlasViewer tutorial. <i>Neurophotonics</i> , 2015 , 2, 020801	3.9	171
55	Trigeminal neuropathic pain alters responses in CNS circuits to mechanical (brush) and thermal (cold and heat) stimuli. <i>Journal of Neuroscience</i> , 2006 , 26, 10646-57	6.6	156
54	Functional magnetic resonance imaging measures of the effects of morphine on central nervous system circuitry in opioid-naive healthy volunteers. <i>Anesthesia and Analgesia</i> , 2006 , 103, 208-16, table of contents	3.9	111
53	Signal valence in the nucleus accumbens to pain onset and offset. <i>European Journal of Pain</i> , 2008 , 12, 866-9	3.7	97
52	Altered hypothalamic functional connectivity with autonomic circuits and the locus coeruleus in migraine. <i>PLoS ONE</i> , 2014 , 9, e95508	3.7	87
51	The Insula: A "Hub of Activity" in Migraine. <i>Neuroscientist</i> , 2016 , 22, 632-652	7.6	76
50	Mayer waves reduce the accuracy of estimated hemodynamic response functions in functional near-infrared spectroscopy. <i>Biomedical Optics Express</i> , 2016 , 7, 3078-88	3.5	72
49	Specificity of hemodynamic brain responses to painful stimuli: a functional near-infrared spectroscopy study. <i>Scientific Reports</i> , 2015 , 5, 9469	4.9	71
48	Rapid treatment-induced brain changes in pediatric CRPS. <i>Brain Structure and Function</i> , 2016 , 221, 1095-111	4.1	60
47	Increased Amplitude of Thalamocortical Low-Frequency Oscillations in Patients with Migraine. <i>Journal of Neuroscience</i> , 2016 , 36, 8026-36	6.6	59
46	Short separation regression improves statistical significance and better localizes the hemodynamic response obtained by near-infrared spectroscopy for tasks with differing autonomic responses. <i>Neurophotonics</i> , 2015 , 2, 035005	3.9	57
45	Intrinsic brain networks normalize with treatment in pediatric complex regional pain syndrome. <i>NeuroImage: Clinical</i> , 2014 , 6, 347-69	5.3	55
44	Brodmann area 10: Collating, integrating and high level processing of nociception and pain. <i>Progress in Neurobiology</i> , 2018 , 161, 1-22	10.9	49
43	Segmentally arranged somatotopy within the face representation of human primary somatosensory cortex. <i>Human Brain Mapping</i> , 2009 , 30, 757-65	5.9	37
42	Parallel buprenorphine pHMRI responses in conscious rodents and healthy human subjects. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 345, 41-51	4.7	36

41	Abdominal Pain, the Adolescent and Altered Brain Structure and Function. <i>PLoS ONE</i> , 2016 , 11, e0156545.	3.7	36
40	Diffuse optical tomography activation in the somatosensory cortex: specific activation by painful vs. non-painful thermal stimuli. <i>PLoS ONE</i> , 2009 , 4, e8016	3.7	35
39	Primary Somatosensory Cortices Contain Altered Patterns of Regional Cerebral Blood Flow in the Interictal Phase of Migraine. <i>PLoS ONE</i> , 2015 , 10, e0137971	3.7	34
38	Increased Functional Activation of Limbic Brain Regions during Negative Emotional Processing in Migraine. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 366	3.3	34
37	Brain changes after spinal cord injury, a quantitative meta-analysis and review. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 90, 272-293	9	32
36	Resting-State Functional Connectivity in the Infant Brain: Methods, Pitfalls, and Potentiality. <i>Frontiers in Pediatrics</i> , 2017 , 5, 159	3.4	29
35	Frontal Lobe Hemodynamic Responses to Painful Stimulation: A Potential Brain Marker of Nociception. <i>PLoS ONE</i> , 2016 , 11, e0165226	3.7	29
34	Cortico-Cortical Connections of Primary Sensory Areas and Associated Symptoms in Migraine. <i>ENeuro</i> , 2016 , 3,	3.9	28
33	Responsivity of Periaqueductal Gray Connectivity Is Related to Headache Frequency in Episodic Migraine. <i>Frontiers in Neurology</i> , 2018 , 9, 61	4.1	26
32	Calcitonin Gene-Related Peptide Modulates Heat Nociception in the Human Brain - An fMRI Study in Healthy Volunteers. <i>PLoS ONE</i> , 2016 , 11, e0150334	3.7	25
31	Brain network alterations in the inflammatory soup animal model of migraine. <i>Brain Research</i> , 2017 , 1660, 36-46	3.7	23
30	Test-retest reliability of evoked heat stimulation BOLD fMRI. <i>Journal of Neuroscience Methods</i> , 2015 , 253, 38-46	3	23
29	Capturing Pain in the Cortex during General Anesthesia: Near Infrared Spectroscopy Measures in Patients Undergoing Catheter Ablation of Arrhythmias. <i>PLoS ONE</i> , 2016 , 11, e0158975	3.7	23
28	Nocebo effect in randomized clinical trials of antidepressants in children and adolescents: systematic review and meta-analysis. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 375	3.5	20
27	Brain measures of nociception using near-infrared spectroscopy in patients undergoing routine screening colonoscopy. <i>Pain</i> , 2016 , 157, 840-848	8	20
26	Identifying Rodent Resting-State Brain Networks with Independent Component Analysis. <i>Frontiers in Neuroscience</i> , 2017 , 11, 685	5.1	19
25	Reward and aversion processing in patients with post-traumatic stress disorder: functional neuroimaging with visual and thermal stimuli. <i>Translational Psychiatry</i> , 2018 , 8, 240	8.6	19
24	Fear and Reward Circuit Alterations in Pediatric CRPS. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 703	3.3	18

23	Focused ultrasound induced opening of the blood-brain barrier disrupts inter-hemispheric resting state functional connectivity in the rat brain. <i>NeuroImage</i> , 2018 , 178, 414-422	7.9	17
22	Modulation of brain function by targeted delivery of GABA through the disrupted blood-brain barrier. <i>NeuroImage</i> , 2019 , 189, 267-275	7.9	17
21	In child and adult migraineurs the somatosensory cortex stands out again: An arterial spin labeling investigation. <i>Human Brain Mapping</i> , 2017 , 38, 4078-4087	5.9	16
20	Morphine Attenuates fNIRS Signal Associated With Painful Stimuli in the Medial Frontopolar Cortex (medial BA 10). <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 394	3.3	16
19	CNS response to a thermal stressor in human volunteers and rats may predict the clinical utility of analgesics. <i>Drug Development Research</i> , 2007 , 68, 23-41	5.1	14
18	A new electronic diary tool for mapping and tracking spatial and temporal head pain patterns in migraine. <i>Cephalalgia</i> , 2015 , 35, 417-25	6.1	13
17	Molecular and functional PET-fMRI measures of placebo analgesia in episodic migraine: Preliminary findings. <i>NeuroImage: Clinical</i> , 2018 , 17, 680-690	5.3	12
16	Migraine Mistakes: Error Awareness. <i>Neuroscientist</i> , 2014 , 20, 291-304	7.6	12
15	Using prerecorded hemodynamic response functions in detecting prefrontal pain response: a functional near-infrared spectroscopy study. <i>Neurophotonics</i> , 2018 , 5, 011018	3.9	11
14	Implications of the putamen in pain and motor deficits in complex regional pain syndrome. <i>Pain</i> , 2020 , 161, 595-608	8	10
13	Microstructural White Matter Abnormalities in the Dorsal Cingulum of Adolescents with IBS. <i>ENeuro</i> , 2018 , 5,	3.9	7
12	Ictal and interictal brain activation in episodic migraine: Neural basis for extent of allodynia. <i>PLoS ONE</i> , 2021 , 16, e0244320	3.7	6
11	Migraine in the Young Brain: Adolescents vs. Young Adults. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 87	3.3	5
10	Modulation of Resting State Functional Connectivity of the Brain by Naloxone Infusion. <i>Brain Imaging and Behavior</i> , 2008 , 2, 11-20	4.1	5
9	Pain and spinal cord imaging measures in children with demyelinating disease. <i>NeuroImage: Clinical</i> , 2015 , 9, 338-47	5.3	4
8	Modulation of brain networks by sumatriptan-naproxen in the inflammatory soup migraine model. <i>Pain</i> , 2019 , 160, 2161-2171	8	4
7	The association between areas of secondary hyperalgesia and volumes of the caudate nuclei and other pain relevant brain structures-A 3-tesla MRI study of healthy men. <i>PLoS ONE</i> , 2018 , 13, e0201642	3.7	4
6	Is the Volume of the Caudate Nuclei Associated With Area of Secondary Hyperalgesia? - Protocol for a 3-Tesla MRI Study of Healthy Volunteers. <i>JMIR Research Protocols</i> , 2016 , 5, e117	2	3

5	Scale-free amplitude modulation of low-frequency fluctuations in episodic migraine. <i>Pain</i> , 2019 , 160, 2298-2304	8	3
4	Rhythmic Change of Cortical Hemodynamic Signals Associated with Ongoing Nociception in Awake and Anesthetized Individuals: An Exploratory Functional Near Infrared Spectroscopy Study. <i>Anesthesiology</i> , 2021 , 135, 877-892	4.3	2
3	Brain resting-state connectivity in the development of secondary hyperalgesia in healthy men. <i>Brain Structure and Function</i> , 2019 , 224, 1119-1139	4	2
2	Brain-based measures of nociception during general anesthesia with remifentanyl: A randomized controlled trial.. <i>PLoS Medicine</i> , 2022 , 19, e1003965	11.6	0
1	The effect of cerebellar tumor resection on pain perception in pediatric patients.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 126-126	2.2	