

# Esther M Berrocoso

## List of Publications by Citations

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85  
papers

3,021  
citations

32  
h-index

53  
g-index

102  
ext. papers

3,599  
ext. citations

5.3  
avg, IF

5.3  
L-index

#	Paper	IF	Citations
85	Antidepressants and pain. <i>Trends in Pharmacological Sciences</i> , <b>2006</b> , 27, 348-54	13.2	320
84	HCN2 ion channels play a central role in inflammatory and neuropathic pain. <i>Science</i> , <b>2011</b> , 333, 1462-6	33.3	231
83	Chronic pain leads to concomitant noradrenergic impairment and mood disorders. <i>Biological Psychiatry</i> , <b>2013</b> , 73, 54-62	7.9	119
82	The mu-opioid receptor and the NMDA receptor associate in PAG neurons: implications in pain control. <i>Neuropsychopharmacology</i> , <b>2012</b> , 37, 338-49	8.7	111
81	Origin and consequences of brain Toll-like receptor 4 pathway stimulation in an experimental model of depression. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 151	10.1	109
80	Neurotrophins role in depression neurobiology: a review of basic and clinical evidence. <i>Current Neuropharmacology</i> , <b>2011</b> , 9, 530-52	7.6	109
79	Differential central pathology and cognitive impairment in pre-diabetic and diabetic mice. <i>Psychoneuroendocrinology</i> , <b>2013</b> , 38, 2462-75	5	94
78	Noradrenergic Locus Coeruleus pathways in pain modulation. <i>Neuroscience</i> , <b>2016</b> , 338, 93-113	3.9	93
77	Opiates as antidepressants. <i>Current Pharmaceutical Design</i> , <b>2009</b> , 15, 1612-22	3.3	82
76	Fluoxetine: a case history of its discovery and preclinical development. <i>Expert Opinion on Drug Discovery</i> , <b>2014</b> , 9, 567-78	6.2	77
75	Depressive-like states heighten the aversion to painful stimuli in a rat model of comorbid chronic pain and depression. <i>Anesthesiology</i> , <b>2012</b> , 117, 613-25	4.3	75
74	Antidepressant-like effects of tramadol and other central analgesics with activity on monoamines reuptake, in helpless rats. <i>Life Sciences</i> , <b>2002</b> , 72, 143-52	6.8	74
73	Discovery and development of tramadol for the treatment of pain. <i>Expert Opinion on Drug Discovery</i> , <b>2017</b> , 12, 1281-1291	6.2	72
72	Rapid Amyloid deposition and cognitive impairment after cholinergic denervation in APP/PS1 mice. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2013</b> , 72, 272-85	3.1	58
71	Active behaviours produced by antidepressants and opioids in the mouse tail suspension test. <i>International Journal of Neuropsychopharmacology</i> , <b>2013</b> , 16, 151-62	5.8	51
70	Activation of AMPA Receptors Mediates the Antidepressant Action of Deep Brain Stimulation of the Infralimbic Prefrontal Cortex. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 2778-2789	5.1	49
69	Role of serotonin 5-HT1A and opioid receptors in the antiallodynic effect of tramadol in the chronic constriction injury model of neuropathic pain in rats. <i>Psychopharmacology</i> , <b>2007</b> , 193, 97-105	4.7	48

68	Monoaminergic system and depression. <i>Cell and Tissue Research</i> , <b>2019</b> , 377, 107-113	4.2	47
67	Antidepressant-like effect of tramadol and its enantiomers in reserpinized mice: comparative study with desipramine, fluvoxamine, venlafaxine and opiates. <i>Journal of Psychopharmacology</i> , <b>2004</b> , 18, 404-414 <sup>6</sup>	4.6	46
66	Early responses to deep brain stimulation in depression are modulated by anti-inflammatory drugs. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 607-14	15.1	45
65	Evaluation of milnacipran, in comparison with amitriptyline, on cold and mechanical allodynia in a rat model of neuropathic pain. <i>European Journal of Pharmacology</i> , <b>2011</b> , 655, 46-51	5.3	44
64	Central vascular disease and exacerbated pathology in a mixed model of type 2 diabetes and Alzheimer's disease. <i>Psychoneuroendocrinology</i> , <b>2015</b> , 62, 69-79	5	42
63	The plasticity of the association between mu-opioid receptor and glutamate ionotropic receptor N in opioid analgesic tolerance and neuropathic pain. <i>European Journal of Pharmacology</i> , <b>2013</b> , 716, 94-105 <sup>3</sup>	5.3	41
62	Analgesic antidepressants promote the responsiveness of locus coeruleus neurons to noxious stimulation: implications for neuropathic pain. <i>Pain</i> , <b>2012</b> , 153, 1438-1449	8	39
61	The role of 5-HT1A receptors in research strategy for extensive pain treatment. <i>Current Topics in Medicinal Chemistry</i> , <b>2006</b> , 6, 1997-2003	3	38
60	BDNF and NGF Signalling in Early Phases of Psychosis: Relationship With Inflammation and Response to Antipsychotics After 1 Year. <i>Schizophrenia Bulletin</i> , <b>2016</b> , 42, 142-51	1.3	37
59	Role of serotonin 5-HT1A receptors in the antidepressant-like effect and the antinociceptive effect of venlafaxine in mice. <i>International Journal of Neuropsychopharmacology</i> , <b>2009</b> , 12, 61-71	5.8	36
58	Social stress exacerbates the aversion to painful experiences in rats exposed to chronic pain: the role of the locus coeruleus. <i>Pain</i> , <b>2013</b> , 154, 2014-2023	8	35
57	The function of alpha-2-adrenoceptors in the rat locus coeruleus is preserved in the chronic constriction injury model of neuropathic pain. <i>Psychopharmacology</i> , <b>2012</b> , 221, 53-65	4.7	35
56	Cooperative opioid and serotonergic mechanisms generate superior antidepressant-like effects in a mice model of depression. <i>International Journal of Neuropsychopharmacology</i> , <b>2009</b> , 12, 1033-44	5.8	35
55	Chemogenetic Silencing of the Locus Coeruleus-Basolateral Amygdala Pathway Abolishes Pain-Induced Anxiety and Enhanced Aversive Learning in Rats. <i>Biological Psychiatry</i> , <b>2019</b> , 85, 1021-1035 <sup>7,9</sup>	7.9	33
54	Non-selective opioid receptor antagonism of the antidepressant-like effect of venlafaxine in the forced swimming test in mice. <i>Neuroscience Letters</i> , <b>2004</b> , 363, 25-8	3.3	33
53	Reversal of monoarthritis-induced affective disorders by diclofenac in rats. <i>Anesthesiology</i> , <b>2014</b> , 120, 1476-90	4.3	30
52	Role of 5-HT1A and 5-HT1B receptors in the antinociceptive effect of tramadol. <i>European Journal of Pharmacology</i> , <b>2005</b> , 511, 21-6	5.3	30
51	Pain exacerbates chronic mild stress-induced changes in noradrenergic transmission in rats. <i>European Neuropsychopharmacology</i> , <b>2014</b> , 24, 996-1003	1.2	29

50	In vivo effect of tramadol on locus coeruleus neurons is mediated by alpha2-adrenoceptors and modulated by serotonin. <i>Neuropharmacology</i> , <b>2006</b> , 51, 146-53	5.5	29
49	Differential role of 5-HT1A and 5-HT1B receptors on the antinociceptive and antidepressant effect of tramadol in mice. <i>Psychopharmacology</i> , <b>2006</b> , 188, 111-8	4.7	27
48	Monoamines as Drug Targets in Chronic Pain: Focusing on Neuropathic Pain. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 1268	5.1	27
47	Single oral dose of cannabinoid derivate loaded PLGA nanocarriers relieves neuropathic pain for eleven days. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 2623-2632	6	26
46	ERK1/2: Function, signaling and implication in pain and pain-related anxio-depressive disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2015</b> , 60, 77-92	5.5	24
45	Comorbid anxiety-like behavior and locus coeruleus impairment in diabetic peripheral neuropathy: A comparative study with the chronic constriction injury model. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2016</b> , 71, 45-56	5.5	24
44	Cellular and molecular mechanisms triggered by Deep Brain Stimulation in depression: A preclinical and clinical approach. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2017</b> , 73, 1-10	5.5	23
43	In vivo effect of venlafaxine on locus coeruleus neurons: role of opioid, alpha(2)-adrenergic, and 5-hydroxytryptamine(1A) receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 322, 101-7	4.7	23
42	Specific serotonergic denervation affects tau pathology and cognition without altering senile plaques deposition in APP/PS1 mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e79947	3.7	23
41	Stress Increases the Negative Effects of Chronic Pain on Hippocampal Neurogenesis. <i>Anesthesia and Analgesia</i> , <b>2015</b> , 121, 1078-1088	3.9	22
40	Effect of Deep Brain Stimulation of the ventromedial prefrontal cortex on the noradrenergic system in rats. <i>Brain Stimulation</i> , <b>2018</b> , 11, 222-230	5.1	20
39	Behavioral, neurochemical and morphological changes induced by the overexpression of munc18-1a in brain of mice: relevance to schizophrenia. <i>Translational Psychiatry</i> , <b>2013</b> , 3, e221	8.6	20
38	Ketamine promotes rapid and transient activation of AMPA receptor-mediated synaptic transmission in the dorsal raphe nucleus. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 88, 243-252	5.5	18
37	L-DOPA modifies the antidepressant-like effects of reboxetine and fluoxetine in rats. <i>Neuropharmacology</i> , <b>2013</b> , 67, 349-58	5.5	18
36	Pro-/antiinflammatory dysregulation in early psychosis: results from a 1-year follow-up study. <i>International Journal of Neuropsychopharmacology</i> , <b>2014</b> , 18,	5.8	18
35	Behavioral effects of combined morphine and MK-801 administration to the locus coeruleus of a rat neuropathic pain model. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 84, 257-266	5.5	15
34	Effects of S 38093, an antagonist/inverse agonist of histamine H3 receptors, in models of neuropathic pain in rats. <i>European Journal of Pain</i> , <b>2018</b> , 22, 127-141	3.7	14
33	Extracellular signal-regulated kinase activation in the chronic constriction injury model of neuropathic pain in anaesthetized rats. <i>European Journal of Pain</i> , <b>2013</b> , 17, 35-45	3.7	14

32	Comparison of the antinociceptive effects of ibuprofen arginate and ibuprofen in rat models of inflammatory and neuropathic pain. <i>Life Sciences</i> , <b>2012</b> , 90, 13-20	6.8	14
31	Risperidone administered during adolescence induced metabolic, anatomical and inflammatory/oxidative changes in adult brain: A PET and MRI study in the maternal immune stimulation animal model. <i>European Neuropsychopharmacology</i> , <b>2019</b> , 29, 880-896	1.2	13
30	Activation of Extracellular Signal-Regulated Kinases (ERK 1/2) in the Locus Coeruleus Contributes to Pain-Related Anxiety in Arthritic Male Rats. <i>International Journal of Neuropsychopharmacology</i> , <b>2017</b> , 20, 463	5.8	13
29	Effect of tapentadol on neurons in the locus coeruleus. <i>Neuropharmacology</i> , <b>2013</b> , 72, 250-8	5.5	13
28	Corticotropin-Releasing Factor Mediates Pain-Induced Anxiety through the ERK1/2 Signaling Cascade in Locus Coeruleus Neurons. <i>International Journal of Neuropsychopharmacology</i> , <b>2015</b> , 18,	5.8	12
27	Pain in neuropsychiatry: Insights from animal models. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 115, 96-115	9	12
26	Effect of DSP4 and desipramine in the sensorial and affective component of neuropathic pain in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2016</b> , 70, 57-67	5.5	12
25	The onset of treatment with the antidepressant desipramine is critical for the emotional consequences of neuropathic pain. <i>Pain</i> , <b>2018</b> , 159, 2606-2619	8	11
24	Serotonin 5-HT receptor antagonism potentiates the antidepressant activity of citalopram. <i>Neuropharmacology</i> , <b>2018</b> , 133, 491-502	5.5	9
23	Effects of milnacipran, duloxetine and indomethacin, in polyarthritic rats using the Randall-Selitto model. <i>Behavioural Pharmacology</i> , <b>2011</b> , 22, 599-606	2.4	9
22	Deep brain stimulation electrode insertion and depression: Patterns of activity and modulation by analgesics. <i>Brain Stimulation</i> , <b>2018</b> , 11, 1348-1355	5.1	7
21	Preclinical discovery of duloxetine for the treatment of depression. <i>Expert Opinion on Drug Discovery</i> , <b>2012</b> , 7, 745-55	6.2	7
20	Opioid receptors mRNAs expression and opioids agonist-dependent G-protein activation in the rat brain following neuropathy. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2020</b> , 99, 109857	5.5	7
19	Opioid Activity in the Locus Coeruleus Is Modulated by Chronic Neuropathic Pain. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 4135-4150	6.2	7
18	Opioid and noradrenergic contributions of tapentadol to the inhibition of locus coeruleus neurons in the streptozotocin rat model of polyneuropathic pain. <i>Neuropharmacology</i> , <b>2018</b> , 135, 202-210	5.5	6
17	Building up careers in translational neuroscience and mental health research: Education and training in the Centre for Biomedical Research in Mental Health. <i>Revista De Psiquiatria Y Salud Mental</i> , <b>2015</b> , 8, 65-74	2.7	5
16	Neuropathic pain increases spontaneous and noxious-evoked activity of locus coeruleus neurons. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 105, 110121	5.5	5
15	P.2.d.022 The modified Tail Suspension Test (mTST): a new paradigm to categorize antidepressants. Effects of classical and atypical opiates. <i>European Neuropsychopharmacology</i> , <b>2006</b> , 16, S344-S345	1.2	4

14	Selective deletion of Caspase-3 gene in the dopaminergic system exhibits autistic-like behaviour. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 104, 110030	5.5	4
13	The complex association between the antioxidant defense system and clinical status in early psychosis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194685	3.7	4
12	Omega-3 fatty acids during adolescence prevent schizophrenia-related behavioural deficits: Neurophysiological evidences from the prenatal viral infection with Poly:I:C. <i>European Neuropsychopharmacology</i> , <b>2021</b> , 46, 14-27	1.2	3
11	Pain and depression comorbidity causes asymmetric plasticity in the locus coeruleus neurons. <i>Brain</i> , <b>2021</b> ,	11.2	3
10	The Role of the Locus Coeruleus in Pain and Associated Stress-Related Disorders.. <i>Biological Psychiatry</i> , <b>2021</b> ,	7.9	2
9	Gabapentin, a double-agent acting on cognition in pain?. <i>Pain</i> , <b>2014</b> , 155, 1909-1910	8	1
8	Olfactory Neuroepithelium Cells from Cannabis Users Display Alterations to the Cytoskeleton and to Markers of Adhesion, Proliferation and Apoptosis. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 1695-1710	6.2	1
7	Nerve injury induces transient locus coeruleus activation over time: role of the locus coeruleus-dorsal reticular nucleus pathway.. <i>Pain</i> , <b>2021</b> ,	8	1
6	Induced Dipoles and Possible Modulation of Wireless Effects in Implanted Electrodes. Effects of Implanting Insulated Electrodes on an Animal Test to Screen Antidepressant Activity. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	1
5	P.2.d.024 Effect of antidepressants on depression, anxiety and cognition in relation with pain models. <i>European Neuropsychopharmacology</i> , <b>2011</b> , 21, S415	1.2	
4	E.02.01 Psychotropic drugs and pain mechanisms. <i>European Neuropsychopharmacology</i> , <b>2010</b> , 20, S209-S210		
3	Deep Brain Stimulation: A Promising Therapeutic Approach to the Treatment of Severe Depressed Patients [Current Evidence and Intrinsic Mechanisms <b>2017</b> , 251-264		
2	Deep Brain Stimulation: Mechanisms Underpinning Antidepressant Effects <b>2019</b> , 375-382		
1	The role of BDNF and NGF plasma levels in first-episode schizophrenia: A longitudinal study.. <i>European Neuropsychopharmacology</i> , <b>2022</b> , 57, 105-117	1.2	