

Paola Sacerdote

List of Publications by Year in descending order

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90
papers

5,786
citations

70961

41
h-index

74018

75
g-index

90
all docs

90
docs citations

90
times ranked

5991
citing authors

#	ARTICLE	IF	CITATIONS
1	Opioids and the Management of Chronic Severe Pain in the Elderly: Consensus Statement of an International Expert Panel with Focus on the Six Clinically Most Often Used World Health Organization step III Opioids (Buprenorphine, Fentanyl, Hydromorphone, Methadone, Morphine,) Tj ETQq1 1 0.784314 rgBT 710 Overlock	0.9	710
2	The Effects of Tramadol and Morphine on Immune Responses and Pain After Surgery in Cancer Patients. Anesthesia and Analgesia, 2000, 90, 1411-1414.	1.1	303
3	Current Knowledge of Buprenorphine and Its Unique Pharmacological Profile. Pain Practice, 2010, 10, 428-450.	0.9	244
4	Opioids and the immune system. Palliative Medicine, 2006, 20, 9-15.	1.3	208
5	Antinociceptive and immunosuppressive effects of opiate drugs: a structure-related activity study. British Journal of Pharmacology, 1997, 121, 834-840.	2.7	176
6	Opioid-induced immunosuppression. Current Opinion in Supportive and Palliative Care, 2008, 2, 14-18.	0.5	150
7	β -endorphin in the immune system: a role at last?. Trends in Immunology, 1997, 18, 317-319.	7.5	149
8	The soy isoflavone genistein reverses oxidative and inflammatory state, neuropathic pain, neurotrophic and vasculature deficits in diabetes mouse model. European Journal of Pharmacology, 2011, 650, 694-702.	1.7	149
9	Acute and late changes in intraarticular cytokine levels following anterior cruciate ligament injury. Journal of Orthopaedic Research, 2013, 31, 315-321.	1.2	147
10	The purinergic antagonist PPADS reduces pain related behaviours and interleukin- 1β , interleukin-6, iNOS and nNOS overproduction in central and peripheral nervous system after peripheral neuropathy in mice. Pain, 2008, 137, 81-95.	2.0	137
11	Chronic fentanyl or buprenorphine infusion in the mouse: similar analgesic profile but different effects on immune responses. Pain, 2004, 110, 385-392.	2.0	127
12	Buprenorphine ameliorates the effect of surgery on hypothalamus-pituitary-adrenal axis, natural killer cell activity and metastatic colonization in rats in comparison with morphine or fentanyl treatment. Brain, Behavior, and Immunity, 2007, 21, 767-774.	2.0	119
13	The analgesic drug tramadol prevents the effect of surgery on natural killer cell activity and metastatic colonization in rats. Journal of Neuroimmunology, 2002, 129, 18-24.	1.1	117
14	In vivo and in vitro treatment with the synthetic cannabinoid CP55,940 decreases the in vitro migration of macrophages in the rat: involvement of both CB1 and CB2 receptors. Journal of Neuroimmunology, 2000, 109, 155-163.	1.1	109
15	Genistein, a natural phytoestrogen from soy, relieves neuropathic pain following chronic constriction sciatic nerve injury in mice: anti-inflammatory and antioxidant activity. Journal of Neurochemistry, 2008, 107, 230-240.	2.1	108
16	Cytokine Modulation is Necessary for Efficacious Treatment of Experimental Neuropathic Pain. Journal of NeuroImmune Pharmacology, 2013, 8, 202-211.	2.1	101
17	The opioid antagonist naloxone induces a shift from Type 2 to Type 1 cytokine pattern in BALB/c mice. Blood, 2000, 95, 2031-2036.	0.6	99
18	Bv8, the amphibian homologue of the mammalian prokineticins, induces a proinflammatory phenotype of mouse macrophages. British Journal of Pharmacology, 2006, 147, 225-234.	2.7	98

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19	Murine models of human neuropathic pain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 924-933.	1.8	93
20	Therapeutic effect of human adipose-derived stem cells and their secretome in experimental diabetic pain. <i>Scientific Reports</i> , 2017, 7, 9904.	1.6	90
21	Transient early expression of TNF- α in sciatic nerve and dorsal root ganglia in a mouse model of painful peripheral neuropathy. <i>Neuroscience Letters</i> , 2008, 436, 210-213.	1.0	88
22	The chemokine Bv8/prokineticin 2 is up-regulated in inflammatory granulocytes and modulates inflammatory pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14646-14651.	3.3	85
23	Opioids and the immune system. <i>Palliative Medicine</i> , 2006, 20 Suppl 1, s9-15.	1.3	85
24	Mainly μ -Opiate Receptors Are Involved in Luteinizing Hormone and Prolactin Secretion. <i>Endocrinology</i> , 1985, 117, 1096-1099.	1.4	81
25	Effects of tramadol on immune responses and nociceptive thresholds in mice. <i>Pain</i> , 1997, 72, 325-330.	2.0	81
26	Non-Analgesic Effects of Opioids: Mechanisms and Potential Clinical Relevance of Opioid-Induced Immunodepression. <i>Current Pharmaceutical Design</i> , 2012, 18, 6034-6042.	0.9	80
27	Do All Opioid Drugs Share the Same Immunomodulatory Properties? A Review From Animal and Human Studies. <i>Frontiers in Immunology</i> , 2019, 10, 2914.	2.2	78
28	Mu opioid receptor activation modulates Toll like receptor 4 in murine macrophages. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 480-488.	2.0	74
29	Intravenous neural stem cells abolish nociceptive hypersensitivity and trigger nerve regeneration in experimental neuropathy. <i>Pain</i> , 2012, 153, 850-861.	2.0	72
30	Buprenorphine and methadone maintenance treatment of heroin addicts preserves immune function. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 606-613.	2.0	69
31	Relative involvement of cannabinoid CB1 and CB2 receptors in the Δ^9 -tetrahydrocannabinol-induced inhibition of natural killer activity. <i>European Journal of Pharmacology</i> , 2000, 387, 343-347.	1.7	65
32	Systemic Administration of Human Adipose-Derived Stem Cells Reverts Nociceptive Hypersensitivity in an Experimental Model of Neuropathy. <i>Stem Cells and Development</i> , 2013, 22, 1252-1263.	1.1	62
33	Immune function after major surgical interventions: the effect of postoperative pain treatment. <i>Journal of Pain Research</i> , 2018, Volume 11, 1297-1305.	0.8	61
34	Peripheral Mechanisms of Dental Pain: The Role of Substance P. <i>Mediators of Inflammation</i> , 2012, 2012, 1-6.	1.4	58
35	Increased Tumor Necrosis Factor- α and Prostaglandin E2 Concentrations in the Cerebrospinal Fluid of Rats with Inflammatory Hyperalgesia: The Effects of Analgesic Drugs. <i>Anesthesia and Analgesia</i> , 2007, 104, 949-954.	1.1	56
36	Presence of a reduced opioid response in interleukin-6 knock out mice. <i>European Journal of Neuroscience</i> , 1999, 11, 1501-1507.	1.2	50

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37	Differential involvement of RelB in morphine-induced modulation of chemotaxis, NO, and cytokine production in murine macrophages and lymphocytes. <i>Journal of Leukocyte Biology</i> , 2007, 81, 344-354.	1.5	50
38	Perspectives in Pain Research 2014: Neuroinflammation and glial cell activation: The cause of transition from acute to chronic pain?. <i>Scandinavian Journal of Pain</i> , 2015, 6, 3-6.	0.5	46
39	Experimental evidence for immunomodulatory effects of opioids. <i>Advances in Experimental Medicine and Biology</i> , 2003, 521, 106-16.	0.8	46
40	Effects of tramadol on experimental inflammation. <i>Fundamental and Clinical Pharmacology</i> , 1999, 13, 220-225.	1.0	44
41	Layer- and subregion-specific electrophysiological and morphological changes of the medial prefrontal cortex in a mouse model of neuropathic pain. <i>Scientific Reports</i> , 2019, 9, 9479.	1.6	44
42	Immune function alterations in mice tolerant to δ^9 -tetrahydrocannabinol: functional and biochemical parameters. <i>Journal of Neuroimmunology</i> , 1998, 92, 60-66.	1.1	43
43	Corticotropin releasing hormone, interleukin- 1β , and tumor necrosis factor- β share characteristics of stress mediators. <i>Brain Research</i> , 1991, 546, 139-142.	1.1	42
44	The Opioid Antagonist Naloxone Induces a Shift from Type 2 to Type 1 Cytokine Pattern in Normal and Skin-grafted Mice. <i>Annals of the New York Academy of Sciences</i> , 2000, 917, 755-763.	1.8	40
45	Characterization of synovial fluid cytokine profiles in chronic meniscal tear of the knee. <i>Journal of Orthopaedic Research</i> , 2017, 35, 340-346.	1.2	40
46	Adult Stem Cell as New Advanced Therapy for Experimental Neuropathic Pain Treatment. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	39
47	Effects of the bisphosphonate ibandronate on hyperalgesia, substance P, and cytokine levels in a rat model of persistent inflammatory pain. <i>European Journal of Pain</i> , 2008, 12, 284-292.	1.4	37
48	Effects of ACL Reconstructive Surgery on Temporal Variations of Cytokine Levels in Synovial Fluid. <i>Mediators of Inflammation</i> , 2016, 2016, 1-7.	1.4	37
49	Pain in Women: A Perspective Review on a Relevant Clinical Issue that Deserves Prioritization. <i>Pain and Therapy</i> , 2021, 10, 287-314.	1.5	37
50	The prokineticin receptor agonist Bv8 decreases IL-10 and IL-4 production in mice splenocytes by activating prokineticin receptor-1. <i>BMC Immunology</i> , 2008, 9, 60.	0.9	35
51	Differential morphine tolerance development in the modulation of macrophage cytokine production in mice. <i>Journal of Leukocyte Biology</i> , 2002, 72, 43-8.	1.5	34
52	Involvement of β -endorphin in the modulation of paw inflammatory edema in the rat. <i>Regulatory Peptides</i> , 1996, 63, 79-83.	1.9	33
53	Prokineticin 2 Upregulation in the Peripheral Nervous System Has a Major Role in Triggering and Maintaining Neuropathic Pain in the Chronic Constriction Injury Model. <i>BioMed Research International</i> , 2015, 2015, 1-15.	0.9	32
54	Targeting prokineticin system counteracts hypersensitivity, neuroinflammation, and tissue damage in a mouse model of bortezomib-induced peripheral neuropathy. <i>Journal of Neuroinflammation</i> , 2019, 16, 89.	3.1	32

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55	Effects of <i>in Vitro</i> and <i>in Vivo</i> Opioids on the Production of IL-12 and IL-10 by Murine Macrophages. <i>Annals of the New York Academy of Sciences</i> , 2003, 992, 129-140.	1.8	30
56	Exposure of Adolescent Mice to Delta-9-Tetrahydrocannabinol Induces Long-Lasting Modulation of Pro- and Anti-Inflammatory Cytokines in Hypothalamus and Hippocampus Similar to that Observed for Peripheral Macrophages. <i>Journal of Neuroimmune Pharmacology</i> , 2015, 10, 371-379.	2.1	28
57	Prokineticin 2 promotes and sustains neuroinflammation in vincristine treated mice: Focus on pain and emotional like behavior. <i>Brain, Behavior, and Immunity</i> , 2019, 82, 422-431.	2.0	28
58	The opioid antagonist naloxone induces a shift from type 2 to type 1 cytokine pattern in BALB/c mice. <i>Blood</i> , 2000, 95, 2031-6.	0.6	28
59	Antagonism of the Prokineticin System Prevents and Reverses Allodynia and Inflammation in a Mouse Model of Diabetes. <i>PLoS ONE</i> , 2016, 11, e0146259.	1.1	27
60	Cloned microglial cells but not macrophages synthesize β -endorphin in response to CRH activation. <i>Glia</i> , 1993, 9, 305-310.	2.5	26
61	β -Endorphin Concentrations in Peripheral Blood Mononuclear Cells of Patients With Multiple Sclerosis. <i>Archives of Neurology</i> , 2000, 57, 1178.	4.9	26
62	β -Endorphin concentrations in brain areas and peritoneal macrophages in rats susceptible and resistant to experimental allergic encephalomyelitis: A possible relationship between tumor necrosis factor α and opioids in the disease. <i>Journal of Neuroimmunology</i> , 1994, 51, 169-176.	1.1	24
63	Increased substance P and tumor necrosis factor- α level in the paws following formalin injection in rat tail. <i>Brain Research</i> , 2004, 1019, 255-258.	1.1	23
64	The prokineticin system: an interface between neural inflammation and pain. <i>Neurological Sciences</i> , 2017, 38, 27-30.	0.9	21
65	Secretome of human adipose-derived mesenchymal stem cell relieves pain and neuroinflammation independently of the route of administration in experimental osteoarthritis. <i>Brain, Behavior, and Immunity</i> , 2021, 94, 29-40.	2.0	20
66	Antiepileptic Agents Affect Hypothalamic β -Endorphin Concentrations. <i>Journal of Neurochemistry</i> , 1984, 43, 871-873.	2.1	19
67	IL-6 Knock-Out Mice Show Modified Basal Immune Functions, but Normal Immune Responses to Stress. <i>Brain, Behavior, and Immunity</i> , 1998, 12, 201-211.	2.0	19
68	β -9-Tetrahydrocannabinol-induced anti-inflammatory responses in adolescent mice switch to proinflammatory in adulthood. <i>Journal of Leukocyte Biology</i> , 2014, 96, 523-534.	1.5	17
69	Intra-Articular Cytokine Levels in Adolescent Patients after Anterior Cruciate Ligament Tear. <i>Mediators of Inflammation</i> , 2018, 2018, 1-8.	1.4	17
70	Effects of NSAIDs and paracetamol (acetaminophen) on protein kinase C epsilon translocation and on substance P synthesis and release in cultured sensory neurons. <i>Journal of Pain Research</i> , 2013, 6, 111.	0.8	16
71	Effect of Tapentadol on Splenic Cytokine Production in Mice. <i>Anesthesia and Analgesia</i> , 2017, 124, 986-995.	1.1	16
72	Frailty and pain, human studies and animal models. <i>Ageing Research Reviews</i> , 2022, 73, 101515.	5.0	13

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73	Chronic Administration of UK-114, a Multifunctional Emerging Protein, Modulates the Th1/Th2 Cytokine Pattern and Experimental Autoimmune Diseases. <i>Annals of the New York Academy of Sciences</i> , 1999, 876, 229-235.	1.8	12
74	Changes of Substance P in the Crevicular Fluid in relation to Orthodontic Movement Preliminary Investigation. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	0.8	12
75	Effects of NSAIDs on the Release of Calcitonin Gene-Related Peptide and Prostaglandin E ₂ from Rat Trigeminal Ganglia. <i>Mediators of Inflammation</i> , 2017, 2017, 1-7.	1.4	12
76	Prokineticin Receptor Inhibition With PC1 Protects Mouse Primary Sensory Neurons From Neurotoxic Effects of Chemotherapeutic Drugs in vitro. <i>Frontiers in Immunology</i> , 2020, 11, 2119.	2.2	11
77	Resolvin E1 and Cytokines Environment in Skeletally Immature and Adult ACL Tears. <i>Frontiers in Medicine</i> , 2021, 8, 610866.	1.2	11
78	Immune cell-derived opioid peptides: Back to the future. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 1019-1020.	2.0	7
79	Nimesulide inhibits protein kinase C epsilon and substance P in sensory neurons – comparison with paracetamol. <i>Journal of Pain Research</i> , 2011, 4, 177.	0.8	7
80	Characterization of Synovial Cytokine Patterns in Bucket-Handle and Posterior Horn Meniscal Tears. <i>Mediators of Inflammation</i> , 2020, 2020, 1-7.	1.4	7
81	Interplay between Prokineticins and Histone Demethylase KDM6A in a Murine Model of Bortezomib-Induced Neuropathy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11913.	1.8	7
82	Experimentally Induced Pulpal Lesion and Substance P Expression: Effect of Ketoprofen A Preliminary Study. <i>International Journal of Dentistry</i> , 2016, 2016, 1-5.	0.5	5
83	Evaluation of Murine Macrophage Cytokine Production After In Vivo Morphine Treatment. <i>Methods in Molecular Biology</i> , 2015, 1230, 253-261.	0.4	3
84	Measurement of Macrophage Toll-Like Receptor 4 Expression After Morphine Treatment. <i>Methods in Molecular Biology</i> , 2015, 1230, 263-271.	0.4	2
85	Î²-Endorphin Concentrations Are Decreased in Peripheral Blood Mononuclear Cells of Chronic Fatigue Syndrome Patients: Comparison with Depression. <i>Journal of Musculoskeletal Pain</i> , 1999, 7, 303-307.	0.3	1
86	LETTER TO THE EDITOR. <i>Brain Pathology</i> , 2012, 22, 79-79.	2.1	1
87	Beta-Endorphin in Peripheral Mononuclear Cells: Physiological and Pharmacological Modifications. <i>International Journal of Neuroscience</i> , 1990, 51, 177-179.	0.8	0
88	Chronic fentanyl or buprenorphine infusion in the mouse: similar analgesic profile but different effects on immune responses. <i>Pain</i> , 2004, 110, 385-385.	2.0	0
89	Evaluation of Murine Macrophage Cytokine Production After In Vivo Morphine Treatment. <i>Methods in Molecular Biology</i> , 2021, 2201, 199-207.	0.4	0
90	Measurement of Macrophage Toll-Like Receptor 4 Expression After Morphine Treatment. <i>Methods in Molecular Biology</i> , 2021, 2201, 209-217.	0.4	0