Paola Sacerdote

List of Publications by Year
in descending order

90 papers	5,786 citations	71102 41 h-index	74163 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 /Overloc	1.9	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.	2.2	303
3	Current Knowledge of Buprenorphine and Its Unique Pharmacological Profile. Pain Practice, 2010, 10, 428-450.	1.9	244
4	Opioids and the immune system. Palliative Medicine, 2006, 20, 9-15.	3.1	208
5	Antinociceptive and immunosuppressive effects of opiate drugs: a structure-related activity study. British Journal of Pharmacology, 1997, 121, 834-840.	5.4	176
6	Opioid-induced immunosuppression. Current Opinion in Supportive and Palliative Care, 2008, 2, 14-18.	1.3	150
7	Î²-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.	3.5	149
9	Acute and late changes in intraarticular cytokine levels following anterior cruciate ligament injury. Journal of Orthopaedic Research, 2013, 31, 315-321.	2.3	147
10	The purinergic antagonist PPADS reduces pain related behaviours and interleukin-1Î², interleukin-6, iNOS and nNOS overproduction in central and peripheral nervous system after peripheral neuropathy in mice. Pain, 2008, 137, 81-95.	4.2	137
11	Chronic fentanyl or buprenorphine infusion in the mouse: similar analgesic profile but different effects on immune responses. Pain, 2004, 110, 385-392.	4.2	127
12	Buprenorphine ameliorates the effect of surgery on hypothalamusâ€“pituitaryâ€“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.	4.1	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.	2.3	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.	2.3	109
15	Genistein, a natural phytoestrogen from soy, relieves neuropathic pain following chronic constriction sciatic nerve injury in mice: antiâ€inflammatory and antioxidant activity. Journal of Neurochemistry, 2008, 107, 230-240.	3.9	108
16	Cytokine Modulation is Necessary for Efficacious Treatment of Experimental Neuropathic Pain. Journal of NeuroImmune Pharmacology, 2013, 8, 202-211.	4.1	101
17	The opioid antagonist naloxone induces a shift from Type 2 to Type 1 cytokine pattern in BALB/cJ mice. Blood, 2000, 95, 2031-2036.	1.4	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.	5.4	98

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19	Murine models of human neuropathic pain. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 924-933.	3.8	93
20	Therapeutic effect of human adipose-derived stem cells and their secretome in experimental diabetic pain. Scientific Reports, 2017, 7, 9904.	3.3	90
21	Transient early expression of TNF-Î± in sciatic nerve and dorsal root ganglia in a mouse model of painful peripheral neuropathy. Neuroscience Letters, 2008, 436, 210-213.	2.1	88
22	The chemokine Bv8/prokineticin 2 is up-regulated in inflammatory granulocytes and modulates inflammatory pain. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14646-14651.	7.1	85
23	Opioids and the immune system. Palliative Medicine, 2006, 20 Suppl 1, s9-15.	3.1	85
24	MainlyÎ¼-Opiate Receptors Are Involved in Luteinizing Hormone and Prolactin Secretion. Endocrinology, 1985, 117, 1096-1099.	2.8	81
25	Effects of tramadol on immune responses and nociceptive thresholds in mice. Pain, 1997, 72, 325-330.	4.2	81
26	Non-Analgesic Effects of Opioids: Mechanisms and Potential Clinical Relevance of Opioid-Induced Immunodepression. Current Pharmaceutical Design, 2012, 18, 6034-6042.	1.9	80
27	Do All Opioid Drugs Share the Same Immunomodulatory Properties? A Review From Animal and Human Studies. Frontiers in Immunology, 2019, 10, 2914.	4.8	78
28	Mu opioid receptor activation modulates Toll like receptor 4 in murine macrophages. Brain, Behavior, and Immunity, 2012, 26, 480-488.	4.1	74
29	Intravenous neural stem cells abolish nociceptive hypersensitivity and trigger nerve regeneration in experimental neuropathy. Pain, 2012, 153, 850-861.	4.2	72
30	Buprenorphine and methadone maintenance treatment of heroin addicts preserves immune function. Brain, Behavior, and Immunity, 2008, 22, 606-613.	4.1	69
31	Relative involvement of cannabinoid CB1 and CB2 receptors in the Î”9-tetrahydrocannabinol-induced inhibition of natural killer activity. European Journal of Pharmacology, 2000, 387, 343-347.	3.5	65
32	Systemic Administration of Human Adipose-Derived Stem Cells Reverts Nociceptive Hypersensitivity in an Experimental Model of Neuropathy. Stem Cells and Development, 2013, 22, 1252-1263.	2.1	62
33	Immune function after major surgical interventions: the effect of postoperative pain treatment. Journal of Pain Research, 2018, Volume 11, 1297-1305.	2.0	61
34	Peripheral Mechanisms of Dental Pain: The Role of Substance P. Mediators of Inflammation, 2012, 2012, 1-6.	3.0	58
35	Increased Tumor Necrosis Factor-?? and Prostaglandin E2 Concentrations in the Cerebrospinal Fluid of Rats with Inflammatory Hyperalgesia: The Effects of Analgesic Drugs. Anesthesia and Analgesia, 2007, 104, 949-954.	2.2	56
36	Presence of a reduced opioid response in interleukin-6 knock out mice. European Journal of Neuroscience, 1999, 11, 1501-1507.	2.6	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. Journal of Leukocyte Biology, 2007, 81, 344-354.	3.3	50
38	Perspectives in Pain Research 2014: Neuroinflammation and glial cell activation: The cause of transition from acute to chronic pain?. Scandinavian Journal of Pain, 2015, 6, 3-6.	1.3	46
39	Experimental evidence for immunomodulatory effects of opioids. Advances in Experimental Medicine and Biology, 2003, 521, 106-16.	1.6	46
40	Effects of tramadol on experimental inflammation. Fundamental and Clinical Pharmacology, 1999, 13, 220-225.	1.9	44
41	Layer- and subregion-specific electrophysiological and morphological changes of the medial prefrontal cortex in a mouse model of neuropathic pain. Scientific Reports, 2019, 9, 9479.	3.3	44
42	Immune function alterations in mice tolerant to Î”9-tetrahydrocannabinol: functional and biochemical parameters. Journal of Neuroimmunology, 1998, 92, 60-66.	2.3	43
43	Corticotropin releasing hormone, interleukin-1Î±, and tumor necrosis factor-Î± share characteristics of stress mediators. Brain Research, 1991, 546, 139-142.	2.2	42
44	The Opioid Antagonist Naloxone Induces a Shift from Type 2 to Type 1 Cytokine Pattern in Normal and Skinâ€Grafted Mice. Annals of the New York Academy of Sciences, 2000, 917, 755-763.	3.8	40
45	Characterization of synovial fluid cytokine profiles in chronic meniscal tear of the knee. Journal of Orthopaedic Research, 2017, 35, 340-346.	2.3	40
46	Adult Stem Cell as New Advanced Therapy for Experimental Neuropathic Pain Treatment. BioMed Research International, 2014, 2014, 1-10.	1.9	39
47	Effects of the bisphosphonate ibandronate on hyperalgesia, substance P, and cytokine levels in a rat model of persistent inflammatory pain. European Journal of Pain, 2008, 12, 284-292.	2.8	37
48	Effects of ACL Reconstructive Surgery on Temporal Variations of Cytokine Levels in Synovial Fluid. Mediators of Inflammation, 2016, 2016, 1-7.	3.0	37
49	Pain in Women: A Perspective Review on a Relevant Clinical Issue that Deserves Prioritization. Pain and Therapy, 2021, 10, 287-314.	3.2	37
50	The prokineticin receptor agonist Bv8 decreases IL-10 and IL-4 production in mice splenocytes by activating prokineticin receptor-1. BMC Immunology, 2008, 9, 60.	2.2	35
51	Differential morphine tolerance development in the modulation of macrophage cytokine production in mice. Journal of Leukocyte Biology, 2002, 72, 43-8.	3.3	34
52	Involvement of Î²-endorphin in the modulation of paw inflammatory edema in the rat. Regulatory Peptides, 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. BioMed Research International, 2015, 2015, 1-15.	1.9	32
54	Targeting prokineticin system counteracts hypersensitivity, neuroinflammation, and tissue damage in a mouse model of bortezomib-induced peripheral neuropathy. Journal of Neuroinflammation, 2019, 16, 89.	7.2	32

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55	Effects of in Vitro and in Vivo Opioids on the Production of ILâ€12 and ILâ€10 by Murine Macrophages. Annals of the New York Academy of Sciences, 2003, 992, 129-140.	3.8	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. Journal of NeuroImmune Pharmacology, 2015, 10, 371-379.	4.1	28
57	Prokineticin 2 promotes and sustains neuroinflammation in vincristine treated mice: Focus on pain and emotional like behavior. Brain, Behavior, and Immunity, 2019, 82, 422-431.	4.1	28
58	The opioid antagonist naloxone induces a shift from type 2 to type 1 cytokine pattern in BALB/cJ mice. Blood, 2000, 95, 2031-6.	1.4	28
59	Antagonism of the Prokineticin System Prevents and Reverses Allodynia and Inflammation in a Mouse Model of Diabetes. PLoS ONE, 2016, 11, e0146259.	2.5	27
60	Cloned microglial cells but not macrophages synthesize ?-endorphin in response to CRH activation. Glia, 1993, 9, 305-310.	4.9	26
61	Î²-Endorphin Concentrations in Peripheral Blood Mononuclear Cells of Patients With Multiple Sclerosis. Archives of Neurology, 2000, 57, 1178.	4.5	26
62	Î²-Endorphin concentrations in brain areas and peritoneal macrophages in rats susceptible and resistant to experimental allergic encephalomyelitis: A possible relationship between tumor necrosis factor Î± and opioids in the disease. Journal of Neuroimmunology, 1994, 51, 169-176.	2.3	24
63	Increased substance P and tumor necrosis factor-Î± level in the paws following formalin injection in rat tail. Brain Research, 2004, 1019, 255-258.	2.2	23
64	The prokineticin system: an interface between neural inflammation and pain. Neurological Sciences, 2017, 38, 27-30.	1.9	21
65	Secretome of human adipose-derived mesenchymal stem cell relieves pain and neuroinflammation independently of the route of administration in experimental osteoarthritis. Brain, Behavior, and Immunity, 2021, 94, 29-40.	4.1	20
66	Antiepileptic Agents Affect Hypothalamic ?-Endorphin Concentrations. Journal of Neurochemistry, 1984, 43, 871-873.	3.9	19
67	IL-6 Knock-Out Mice Show Modified Basal Immune Functions, but Normal Immune Responses to Stress. Brain, Behavior, and Immunity, 1998, 12, 201-211.	4.1	19
68	Î”9-Tetrahydrocannabinol-induced anti-inflammatory responses in adolescent mice switch to proinflammatory in adulthood. Journal of Leukocyte Biology, 2014, 96, 523-534.	3.3	17
69	Intra-Articular Cytokine Levels in Adolescent Patients after Anterior Cruciate Ligament Tear. Mediators of Inflammation, 2018, 2018, 1-8.	3.0	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. Journal of Pain Research, 2013, 6, 111.	2.0	16
71	Effect of Tapentadol on Splenic Cytokine Production in Mice. Anesthesia and Analgesia, 2017, 124, 986-995.	2.2	16
72	Frailty and pain, human studies and animal models. Ageing Research Reviews, 2022, 73, 101515.	10.9	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. Annals of the New York Academy of Sciences, 1999, 876, 229-235.	3.8	12
74	Changes of Substance P in the Crevicular Fluid in relation to Orthodontic Movement Preliminary Investigation. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	12
75	Effects of NSAIDs on the Release of Calcitonin Gene-Related Peptide and Prostaglandin E₂from Rat Trigeminal Ganglia. Mediators of Inflammation, 2017, 2017, 1-7.	3.0	12
76	Prokineticin Receptor Inhibition With PC1 Protects Mouse Primary Sensory Neurons From Neurotoxic Effects of Chemotherapeutic Drugs in vitro. Frontiers in Immunology, 2020, 11, 2119.	4.8	11
77	Resolvin E1 and Cytokines Environment in Skeletally Immature and Adult ACL Tears. Frontiers in Medicine, 2021, 8, 610866.	2.6	11
78	Immune cell-derived opioid peptides: Back to the future. Brain, Behavior, and Immunity, 2007, 21, 1019-1020.	4.1	7
79	Nimesulide inhibits protein kinase C epsilon and substance P in sensory neurons – comparison with paracetamol. Journal of Pain Research, 2011, 4, 177.	2.0	7
80	Characterization of Synovial Cytokine Patterns in Bucket-Handle and Posterior Horn Meniscal Tears. Mediators of Inflammation, 2020, 2020, 1-7.	3.0	7
81	Interplay between Prokineticins and Histone Demethylase KDM6A in a Murine Model of Bortezomib-Induced Neuropathy. International Journal of Molecular Sciences, 2021, 22, 11913.	4.1	7
82	Experimentally Induced Pulpal Lesion and Substance P Expression: Effect of Ketoprofenâ€”A Preliminary Study. International Journal of Dentistry, 2016, 2016, 1-5.	1.5	5
83	Evaluation of Murine Macrophage Cytokine Production After In Vivo Morphine Treatment. Methods in Molecular Biology, 2015, 1230, 253-261.	0.9	3
84	Measurement of Macrophage Toll-Like Receptor 4 Expression After Morphine Treatment. Methods in Molecular Biology, 2015, 1230, 263-271.	0.9	2
85	Î²-Endorphin Concentrations Are Decreased in Peripheral Blood Mononuclear Cells of Chronic Fatigue Syndrome Patients: Comparison with Depression. Journal of Musculoskeletal Pain, 1999, 7, 303-307.	0.3	1
86	LETTER TO THE EDITOR. Brain Pathology, 2012, 22, 79-79.	4.1	1
87	Beta-Endorphin in Peripheral Mononuclear Cells: Physiological and Pharmacological Modifications. International Journal of Neuroscience, 1990, 51, 177-179.	1.6	0
88	Chronic fentanyl or buprenorphine infusion in the mouse: similar analgesic profile but different effects on immune responses. Pain, 2004, 110, 385-385.	4.2	0
89	Evaluation of Murine Macrophage Cytokine Production After In Vivo Morphine Treatment. Methods in Molecular Biology, 2021, 2201, 199-207.	0.9	0
90	Measurement of Macrophage Toll-Like Receptor 4 Expression After Morphine Treatment. Methods in Molecular Biology, 2021, 2201, 209-217.	0.9	0