Halina Machelska

List of Publications by Year
in descending order

70 papers	3,487 citations	159585 30 h-index	138484 58 g-index
108 all docs	108 docs citations	108 times ranked	2927 citing authors

#	Article	IF	Citations
1	Interleukin-4 Induces the Release of Opioid Peptides from M1 Macrophages in Pathological Pain. Journal of Neuroscience, 2021, 41, 2870-2882.	3.6	16
2	Knock-In Mice Expressing a 15-Lipoxygenating Alox5 Mutant Respond Differently to Experimental Inflammation Than Reported Alox5â^'/â^' Mice. Metabolites, 2021, 11, 698.	2.9	9
3	PatchÂClamp Analysis of Opioid-Induced Kir3 Currents in Mouse Peripheral Sensory Neurons Following Nerve Injury. Methods in Molecular Biology, 2021, 2201, 127-137.	0.9	1
4	Real-Time Quantitative Reverse Transcription PCR for Detection of Opioid Receptors in Immune Cells. Methods in Molecular Biology, 2021, 2201, 83-95.	0.9	0
5	Immunohistochemical Analysis of Opioid Receptors in Peripheral Tissues. Methods in Molecular Biology, 2021, 2201, 71-82.	0.9	2
6	Pain and knee damage in male and female mice in the medial meniscal transection-induced osteoarthritis. Osteoarthritis and Cartilage, 2020, 28, 475-485.	1.3	27
7	Immune cell-mediated opioid analgesia. Immunology Letters, 2020, 227, 48-59.	2.5	11
8	Uncovering the analgesic effects of a pH-dependent mu-opioid receptor agonist using a model of nonevoked ongoing pain. Pain, 2020, 161, 2798-2804.	4.2	10
9	A low pKa ligand inhibits cancer-associated pain in mice by activating peripheral mu-opioid receptors. Scientific Reports, 2020, 10, 18599.	3.3	7
10	Opioid Receptors in Immune and Glial Cellsâ€"Implications for Pain Control. Frontiers in Immunology, 2020, 11, 300.	4.8	92
11	IL-4 induces M2 macrophages to produce sustained analgesia via opioids. JCI Insight, 2020, 5, .	5.0	65
12	Tailorâ€Made Coreâ€Multishell Nanocarriers for the Delivery of Cationic Analgesics to Inflamed Tissue. Advanced Therapeutics, 2019, 2, 1900007.	3.2	2
13	pKa of opioid ligands as a discriminating factor for side effects. Scientific Reports, 2019, 9, 19344.	3.3	19
14	Analgesic effects of a novel pH-dependent Î¼-opioid receptor agonist in models of neuropathic and abdominal pain. Pain, 2018, 159, 2277-2284.	4.2	51
15	Advances in Achieving Opioid Analgesia Without Side Effects. Frontiers in Pharmacology, 2018, 9, 1388.	3.5	127
16	Mu-Opioid Receptor Agonist Induces Kir3 Currents in Mouse Peripheral Sensory Neurons â€" Effects of Nerve Injury. Frontiers in Pharmacology, 2018, 9, 1478.	3.5	13
17	Opioid receptor signaling, analgesic and side effects induced by a computationally designed pH-dependent agonist. Scientific Reports, 2018, 8, 8965.	3.3	47
18	A nontoxic pain killer designed by modeling of pathological receptor conformations. Science, 2017, 355, 966-969.	12.6	175

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19	Polyglycerol-opioid conjugate produces analgesia devoid of side effects. ELife, 2017, 6, .	6.0	32
20	Recent advances in understanding neuropathic pain: glia, sex differences, and epigenetics. F1000Research, 2016, 5, 2743.	1.6	40
21	Adoptive transfer of M2 macrophages reduces neuropathic pain via opioid peptides. Journal of Neuroinflammation, 2016, 13, 262.	7.2	95
22	Leukocyte opioid receptors mediate analgesia via Ca 2+ -regulated release of opioid peptides. Brain, Behavior, and Immunity, 2016, 57, 227-242.	4.1	61
23	Distinct roles of exogenous opioid agonists and endogenous opioid peptides in the peripheral control of neuropathy-triggered heat pain. Scientific Reports, 2016, 6, 32799.	3.3	24
24	Opioids and TRPV1 in the peripheral control of neuropathic pain â€" Defining a target site in the injured nerve. Neuropharmacology, 2016, 101, 330-340.	4.1	20
25	Immunohistochemical Analysis of Opioid Receptors in Peripheral Tissues. Methods in Molecular Biology, 2015, 1230, 155-165.	0.9	5
26	Electrophysiological Patch Clamp Assay to Monitor the Action of Opioid Receptors. Methods in Molecular Biology, 2015, 1230, 197-211.	0.9	2
27	Skinâ€"Nerve Preparation to Assay the Function of Opioid Receptors in Peripheral Endings of Sensory Neurons. Methods in Molecular Biology, 2015, 1230, 215-228.	0.9	2
28	Analysis of Potassium and Calcium Imaging to Assay the Function of Opioid Receptors. Methods in Molecular Biology, 2015, 1230, 187-196.	0.9	0
29	Peripheral Neuroimmune Interactions and Neuropathic Pain. , 2014, , 105-116.		0
30	Stronger Antinociceptive Efficacy of Opioids at the Injured Nerve Trunk Than at Its Peripheral Terminals in Neuropathic Pain. Journal of Pharmacology and Experimental Therapeutics, 2013, 346, 535-544.	2.5	30
31	Î¼-Opioid Receptor Antibody Reveals Tissue-Dependent Specific Staining and Increased Neuronal Î¼-Receptor Immunoreactivity at the Injured Nerve Trunk in Mice. PLoS ONE, 2013, 8, e79099.	2.5	25
32	Pain inhibition by blocking leukocytic and neuronal opioid peptidases in peripheral inflamed tissue. FASEB Journal, 2012, 26, 5161-5171.	0.5	63
33	Cutaneous Nociceptors Lack Sensitisation, but Reveal Î¼-Opioid Receptor-Mediated Reduction in Excitability to Mechanical Stimulation in Neuropathy. Molecular Pain, 2012, 8, 1744-8069-8-81.	2.1	13
34	Impaired Nociception and Peripheral Opioid Antinociception in Mice Lacking Both Kinin B1 and B2 Receptors. Anesthesiology, 2012, 116, 448-457.	2.5	38
35	Modulation of Peripheral Sensory Neurons by the Immune System: Implications for Pain Therapy. Pharmacological Reviews, 2011, 63, 860-881.	16.0	165
36	Dual Peripheral Actions of Immune Cells in Neuropathic Pain. Archivum Immunologiae Et Therapiae Experimentalis, 2011, 59, 11-24.	2.3	40

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37	T lymphocytes containing Î²-endorphin ameliorate mechanical hypersensitivity following nerve injury. Brain, Behavior, and Immunity, 2010, 24, 1045-1053.	4.1	76
38	Peripheral Non-Viral MIDGE Vector-Driven Delivery of Î²-Endorphin in Inflammatory Pain. Molecular Pain, 2009, 5, 1744-8069-5-72.	2.1	25
39	Immune cellâ€"derived opioids protect against neuropathic pain in mice. Journal of Clinical Investigation, 2009, 119, 278-86.	8.2	68
40	Immune System, Pain and Analgesia. , 2008, , 407-427.		5
41	Immune-derived Opioids: Production and Function in Inflammatory Pain. , 2007, , 159-169.		0
42	A stomatin-domain protein essential for touch sensation in the mouse. Nature, 2007, 445, 206-209.	27.8	225
43	Relative contribution of peripheral versus central opioid receptors to antinociception. Brain Research, 2007, 1160, 30-38.	2.2	111
44	Targeting of opioid-producing leukocytes for pain control. Neuropeptides, 2007, 41, 355-363.	2.2	65
45	Leukocyte-Derived Opioid Peptides and Inhibition of Pain. Journal of NeuroImmune Pharmacology, 2006, 1, 90-97.	4.1	44
46	Comment on â€œNeutrophils: are they hyperalgesic or anti-hyperalgesic?â€• Journal of Leukocyte Biology, 2006, 80, 729-730.	3.3	2
47	Leukocytes in the regulation of pain and analgesia. Journal of Leukocyte Biology, 2005, 78, 1215-1222.	3.3	104
48	Selectins and integrins but not platelet-endothelial cell adhesion molecule-1 regulate opioid inhibition of inflammatory pain. British Journal of Pharmacology, 2004, 142, 772-780.	5.4	53
49	Endogenous peripheral antinociception in early inflammation is not limited by the number of opioid-containing leukocytes but by opioid receptor expression. Pain, 2004, 108, 67-75.	4.2	72
50	Control of inflammatory pain by chemokine-mediated recruitment of opioid-containing polymorphonuclear cells. Pain, 2004, 112, 229-238.	4.2	115
51	Tissue Monocytes/Macrophages in Inflammation. Anesthesiology, 2004, 101, 204-211.	2.5	66
52	Mobilization of Opioid-containing Polymorphonuclear Cells by Hematopoietic Growth Factors and Influence on Inflammatory Pain. Anesthesiology, 2004, 100, 149-157.	2.5	57
53	Breaking the pain barrier. Nature Medicine, 2003, 9, 1353-1354.	30.7	10
54	Attacking pain at its source: new perspectives on opioids. Nature Medicine, 2003, 9, 1003-1008.	30.7	535

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55	Peripheral analgesic and anti-inflammatory effects of opioids â€” neuro-immune crosstalk. , 2003, , 137-148.		0
56	Peripheral Opioid Analgesia Neuroimmune Interactions and Therapeutic Implications. , 2003, , .		0
57	Immunohistochemical localization of endomorphin-1 and endomorphin-2 in immune cells and spinal cord in a model of inflammatory pain. Journal of Neuroimmunology, 2002, 126, 5-15.	2.3	120
58	Peripheral analgesic and antiinflammatory effects of opioids. Zeitschrift Fur Rheumatologie, 2001, 60, 416-424.	1.0	81
59	Pain Control by Immune-Derived Opioids. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 533-536.	1.9	49
60	Why is morphine not the ultimate analgesic and what can be done to improve it?. Journal of Pain, 2000, 1, 51-56.	1.4	26
61	Pain control and the immune system. Current Opinion in Anaesthesiology, 1999, 12, 579-581.	2.0	1
62	Pain control in inflammation governed by selectins. Nature Medicine, 1998, 4, 1425-1428.	30.7	164
63	Effects of pentylenetetrazol kindling on glutamate receptor genes expression in the rat hippocampus. Brain Research, 1998, 785, 355-358.	2.2	21
64	Peripheral nociceptive integration. Pain Forum, 1998, 7, 87-89.	1.1	0
65	Involvement of the nitric oxide pathway in nociceptive processes in the central nervous system in rats. Regulatory Peptides, 1994, 53, S75-S76.	1.9	11
66	L-Nitroarginine methyl ester attenuates the development of morphine tolerance and dependence in mice. Regulatory Peptides, 1994, 53, S209-S210.	1.9	1
67	Modulation of morphine and cocaine effects by inhibition of nitric oxide synthase. Regulatory Peptides, 1994, 54, 233-235.	1.9	4
68	Kappa opioid receptor agonists inhibit the pilocarpine-induced seizures and toxicity in the mouse. European Neuropsychopharmacology, 1994, 4, 527-533.	0.7	21
69	The effects of cocaine-induced seizures on the proenkephalin mRNA level in the mouse hippocampus: A possible involvement of the nitric oxide pathway. Neuroscience Letters, 1994, 168, 81-84.	2.1	24
70	Local burn injury profoundly enhances endogenous opioid systems activity in rats. Pharmacological Research, 1992, 25, 260-261.	7.1	1