

Olga Pol

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

74 papers	1,772 citations	28 h-index	37 g-index
80 ext. papers	2,023 ext. citations	4.7 avg, IF	4.98 L-index

#	Paper	IF	Citations
74	Effects of heme oxygenase 1 in the molecular changes and neuropathy associated with type 2 diabetes in mice.. <i>Biochemical Pharmacology</i> , 2022 , 199, 114987	6	0
73	CO and Pain Management 2022 , 497-510		
72	HO-CO pathway activation may be associated with hippocampal μ and κ opioid receptors in inhibiting inflammatory pain aversiveness and nociception in WT but not NOS2-KO mice. <i>Brain Research Bulletin</i> , 2021 , 169, 8-17	3.9	0
71	The Anxiolytic and Antidepressant Effects of Diallyl Disulfide and GYY4137 in Animals with Chronic Neuropathic Pain. <i>Antioxidants</i> , 2021 , 10,	7.1	1
70	The role of carbon monoxide, heme oxygenase 1, and the Nrf2 transcription factor in the modulation of chronic pain and their interactions with opioids and cannabinoids. <i>Medicinal Research Reviews</i> , 2021 , 41, 136-155	14.4	12
69	Treatment with 5-fluoro-2-oxindole Increases the Antinociceptive Effects of Morphine and Inhibits Neuropathic Pain. <i>Cellular and Molecular Neurobiology</i> , 2021 , 41, 995-1008	4.6	3
68	The Antinociceptive, Antioxidant and Anti-Inflammatory Effects of 5-Fluoro-2-Oxindole during Inflammatory Pain. <i>Antioxidants</i> , 2020 , 9,	7.1	3
67	Treatment with slow-releasing hydrogen sulfide donors inhibits the nociceptive and depressive-like behaviours accompanying chronic neuropathic pain: Endogenous antioxidant system activation. <i>Journal of Psychopharmacology</i> , 2020 , 34, 737-749	4.6	4
66	Analgesic and Antidepressant Effects of Oltipraz on Neuropathic Pain in Mice by Modulating Microglial Activation. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	21
65	The Effects of Cobalt Protoporphyrin IX and Tricarbonyldichlororuthenium (II) Dimer Treatments and Its Interaction with Nitric Oxide in the Locus Coeruleus of Mice with Peripheral Inflammation. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
64	Treatment With the Delta Opioid Agonist UFP-512 Alleviates Chronic Inflammatory and Neuropathic Pain: Mechanisms Implicated. <i>Frontiers in Pharmacology</i> , 2019 , 10, 283	5.6	19
63	The Inhibitory Effects of Slow-Releasing Hydrogen Sulfide Donors in the Mechanical Allodynia, Grip Strength Deficits, and Depressive-Like Behaviors Associated with Chronic Osteoarthritis Pain. <i>Antioxidants</i> , 2019 , 9,	7.1	13
62	Enhanced expression of heme oxygenase-1 in the locus coeruleus can be associated with anxiolytic-like effects. <i>Behavioural Brain Research</i> , 2018 , 336, 204-210	3.4	7
61	Mechanism implicated in the anti-allodynic and anti-hyperalgesic effects induced by the activation of heme oxygenase 1/carbon monoxide signaling pathway in the central nervous system of mice with neuropathic pain. <i>Biochemical Pharmacology</i> , 2018 , 148, 52-63	6	26
60	Sulforaphane Inhibited the Nociceptive Responses, Anxiety- and Depressive-Like Behaviors Associated With Neuropathic Pain and Improved the Anti-allodynic Effects of Morphine in Mice. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1332	5.6	39
59	Administration of CORM-2 inhibits diabetic neuropathy but does not reduce dyslipidemia in diabetic mice. <i>PLoS ONE</i> , 2018 , 13, e0204841	3.7	8
58	Treatment with Sulforaphane Produces Antinociception and Improves Morphine Effects during Inflammatory Pain in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 363, 293-302	4.7	30

57	The induction of the transcription factor Nrf2 enhances the antinociceptive effects of delta-opioid receptors in diabetic mice. <i>PLoS ONE</i> , 2017 , 12, e0180998	3.7	22
56	The Inhibitory Effects of Cobalt Protoporphyrin IX and Cannabinoid 2 Receptor Agonists in Type 2 Diabetic Mice. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	16
55	The antinociceptive effects of a μ -opioid receptor agonist in mice with painful diabetic neuropathy: Involvement of heme oxygenase 1. <i>Neuroscience Letters</i> , 2016 , 614, 49-54	3.3	19
54	The Induction of Heme Oxygenase 1 Decreases Painful Diabetic Neuropathy and Enhances the Antinociceptive Effects of Morphine in Diabetic Mice. <i>PLoS ONE</i> , 2016 , 11, e0146427	3.7	25
53	The role of carbon monoxide on the anti-nociceptive effects and expression of cannabinoid 2 receptors during painful diabetic neuropathy in mice. <i>Psychopharmacology</i> , 2016 , 233, 2209-2219	4.7	16
52	Treatment with a carbon monoxide-releasing molecule inhibits chronic inflammatory pain in mice: nitric oxide contribution. <i>Psychopharmacology</i> , 2014 , 231, 853-61	4.7	19
51	The role of gaseous neurotransmitters in the antinociceptive effects of morphine during acute thermal pain. <i>European Journal of Pharmacology</i> , 2014 , 737, 41-6	5.3	13
50	Treatment with a heme oxygenase 1 inducer enhances the antinociceptive effects of μ -opioid, δ -opioid, and cannabinoid 2 receptors during inflammatory pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 351, 224-32	4.7	32
49	Effects of treatment with a carbon monoxide-releasing molecule and a heme oxygenase 1 inducer in the antinociceptive effects of morphine in different models of acute and chronic pain in mice. <i>Psychopharmacology</i> , 2013 , 228, 463-77	4.7	31
48	Treatment with carbon monoxide-releasing molecules and an HO-1 inducer enhances the effects and expression of μ -opioid receptors during neuropathic pain. <i>Anesthesiology</i> , 2013 , 118, 1180-97	4.3	52
47	The inhibition of the nitric oxide-cGMP-PKG-JNK signaling pathway avoids the development of tolerance to the local antiallodynic effects produced by morphine during neuropathic pain. <i>European Journal of Pharmacology</i> , 2012 , 685, 42-51	5.3	26
46	Carbon monoxide reduces neuropathic pain and spinal microglial activation by inhibiting nitric oxide synthesis in mice. <i>PLoS ONE</i> , 2012 , 7, e43693	3.7	62
45	T264 POTENTIAL THERAPEUTIC ROLE OF CARBON MONOXIDE SYNTHESIZED BY HEME OXYGENASE-1 IN THE ATTENUATION OF NEUROPATHIC PAIN VIA MICROGLIAL CELLS INACTIVATION. <i>European Journal of Pain Supplements</i> , 2011 , 5, 54-54		2
44	S146 THE ANTINOCICEPTIVE EFFECTS OF JWH-015 IN CHRONIC INFLAMMATORY PAIN ARE PRODUCED BY THE NITRIC OXIDE-cGMP-PKG-KATP PATHWAY ACTIVATION MEDIATED BY OPIOIDS. <i>European Journal of Pain Supplements</i> , 2011 , 5, 209-209		
43	Peripheral effects of morphine and expression of δ -opioid receptors in the dorsal root ganglia during neuropathic pain: nitric oxide signaling. <i>Molecular Pain</i> , 2011 , 7, 25	3.4	36
42	The antinociceptive effects of JWH-015 in chronic inflammatory pain are produced by nitric oxide-cGMP-PKG-KATP pathway activation mediated by opioids. <i>PLoS ONE</i> , 2011 , 6, e26688	3.7	20
41	The role of nitric oxide in the local antiallodynic and antihyperalgesic effects and expression of delta-opioid and cannabinoid-2 receptors during neuropathic pain in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 334, 887-96	4.7	52
40	The spinal cord expression of neuronal and inducible nitric oxide synthases and their contribution in the maintenance of neuropathic pain in mice. <i>PLoS ONE</i> , 2010 , 5, e14321	3.7	35

39	Peripheral antinociceptive effects of mu- and delta-opioid receptor agonists in NOS2 and NOS1 knockout mice during chronic inflammatory pain. <i>European Journal of Pharmacology</i> , 2009 , 602, 41-9	5.3	31
38	The peripheral administration of a nitric oxide donor potentiates the local antinociceptive effects of a DOR agonist during chronic inflammatory pain in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009 , 380, 345-52	3.4	21
37	Lack of mechanical and thermal allodynia, and thermal hyperalgesia induced by peripheral neuropathic pain in NOS2 knockout mice. <i>BMC Pharmacology</i> , 2009 , 9, P24		78
36	The involvement of the nitric oxide in the effects and expression of opioid receptors during peripheral inflammation. <i>Current Medicinal Chemistry</i> , 2007 , 14, 1945-55	4.3	28
35	Tolerance to the antinociceptive and antiexudative effects of morphine in a murine model of peripheral inflammation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 360-8	4.7	28
34	Antiexudative effects of opioids and expression of kappa- and delta-opioid receptors during intestinal inflammation in mice: involvement of nitric oxide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 261-70	4.7	28
33	Expression of opioid receptors and c-fos in CB1 knockout mice exposed to neuropathic pain. <i>Neuropharmacology</i> , 2006 , 50, 123-32	5.5	32
32	Interaction between tramadol and two anti-emetics on nociception and gastrointestinal transit in mice. <i>European Journal of Pain</i> , 2006 , 10, 629-38	3.7	23
31	Cyclooxygenase-2 expression in opioid-tolerant mice during CFA-induced monoarthritis. <i>European Journal of Anaesthesiology</i> , 2005 , 22, 123-124	2.3	
30	The involvement of nitric oxide in the enhanced expression of mu-opioid receptors during intestinal inflammation in mice. <i>British Journal of Pharmacology</i> , 2005 , 145, 758-66	8.6	28
29	Anti-exudative effects of opioid receptor agonists in a rat model of carrageenan-induced acute inflammation of the paw. <i>European Journal of Pharmacology</i> , 2005 , 511, 207-17	5.3	36
28	Expression of opioid receptors during peripheral inflammation. <i>Current Topics in Medicinal Chemistry</i> , 2004 , 4, 51-61	3	59
27	Comparative assessment of the effects of alfentanil, esmolol or clonidine when used as adjuvants during induction of general anaesthesia. <i>European Journal of Anaesthesiology</i> , 2004 , 21, 476-82	2.3	6
26	Comparative assessment of the effects of alfentanil, esmolol or clonidine when used as adjuvants during induction of general anaesthesia. <i>European Journal of Anaesthesiology</i> , 2004 , 21, 476-482	2.3	12
25	The expression of delta- and kappa-opioid receptor is enhanced during intestinal inflammation in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 306, 455-62	4.7	46
24	Interaction between metamizol and tramadol in a model of acute visceral pain in rats. <i>European Journal of Pain</i> , 2003 , 7, 439-48	3.7	29
23	Isoflurane requirements during combined general/epidural anesthesia for major abdominal surgery. <i>Anesthesia and Analgesia</i> , 2002 , 94, 1331-7, table of contents	3.9	35
22	Antisense oligodeoxynucleotides to mu- and delta-opioid receptor mRNA block the enhanced effects of opioids during intestinal inflammation. <i>European Journal of Pharmacology</i> , 2001 , 428, 127-36	5.3	9

21	Inflammation enhances mu-opioid receptor transcription and expression in mice intestine. <i>Molecular Pharmacology</i> , 2001 , 60, 894-9	4.3	63
20	Intestinal inflammation enhances the inhibitory effects of opioids on intestinal permeability in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2001 , 296, 378-87	4.7	18
19	Intestinal inflammation and morphine tolerance alter the interaction between morphine and clonidine on gastrointestinal transit in mice. <i>Anesthesiology</i> , 2000 , 93, 219-30	4.3	19
18	Antinociceptive/anti-edema effects of liposomal morphine during acute inflammation of the rat paw. <i>Pharmacology</i> , 2000 , 60, 121-7	2.3	33
17	Effects of mu-opioid receptor agonists on intestinal secretion and permeability during acute intestinal inflammation in mice. <i>European Journal of Pharmacology</i> , 2000 , 389, 235-42	5.3	21
16	Antibodies and antisense oligodeoxynucleotides to mu-opioid receptors, selectively block the effects of mu-opioid agonists on intestinal transit and permeability in mice. <i>British Journal of Pharmacology</i> , 1999 , 127, 397-404	8.6	16
15	Peripheral effects of opioids in a model of chronic intestinal inflammation in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1998 , 287, 1068-75	4.7	38
14	Reversal of tolerance to the antitransit effects of morphine during acute intestinal inflammation in mice. <i>British Journal of Pharmacology</i> , 1997 , 122, 1216-22	8.6	22
13	Peripheral effects of opioids in a model of intestinal inflammation in mice. <i>Pharmacology</i> , 1996 , 53, 340-50	4.3	17
12	The inhibitory effects of alpha(2)-adrenoceptor agonists on gastrointestinal transit during croton oil-induced intestinal inflammation. <i>British Journal of Pharmacology</i> , 1996 , 119, 1649-55	8.6	13
11	Effects of morphine and liposomal morphine in a model of intestinal inflammation in mice. <i>Pharmacology</i> , 1996 , 53, 180-9	2.3	10
10	Interaction of morphine and clonidine on gastrointestinal transit in mice. <i>Anesthesiology</i> , 1996 , 85, 1403-13	4.3	17
9	The effects of two chronic intermittent stressors on brain monoamines. <i>Pharmacology Biochemistry and Behavior</i> , 1996 , 53, 517-23	3.9	26
8	Comparative assessment of the anaesthetic and analgesic effects of intramuscular and epidural clonidine in humans. <i>Canadian Journal of Anaesthesia</i> , 1996 , 43, 1195-202	3	19
7	Effects of subarachnoid lidocaine, meperidine and fentanyl on somatosensory and motor evoked responses in awake humans. <i>Acta Anaesthesiologica Scandinavica</i> , 1996 , 40, 39-46	1.9	17
6	Inhibition of catecholamine synthesis with alpha-methyl-p-tyrosine apparently increases brain serotonergic activity in the rat: no influence of previous chronic immobilization stress. <i>Pharmacology Biochemistry and Behavior</i> , 1995 , 52, 107-12	3.9	9
5	Pharmacological evidence for the involvement of the endogenous opioid system in the response to local inflammation in the rat paw. <i>Pain</i> , 1995 , 60, 67-71	8	40
4	Peripheral effects of naloxone in mice with acute diarrhea associated with intestinal inflammation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1995 , 272, 1271-6	4.7	17

3	Diarrhea associated with intestinal inflammation increases the potency of mu and delta opioids on the inhibition of gastrointestinal transit in mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1994 , 270, 386-91	4.7	30
2	Behavioral and neurochemical changes in response to acute stressors: influence of previous chronic exposure to immobilization. <i>Pharmacology Biochemistry and Behavior</i> , 1992 , 42, 407-12	3.9	34
1	Influence of various acute stressors on the activity of adult male rats in a holeboard and in the forced swim test. <i>Pharmacology Biochemistry and Behavior</i> , 1991 , 39, 373-7	3.9	93