Olga Pol

List of Publications by Citations

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	Influence of various acute stressors on the activity of adult male rats in a holeboard and in the forced swim test. *Pharmacology Biochemistry and Behavior*, **1991**, 39, 373-7	3.9	93
73	Lack of mechanical and thermal allodynia, and thermal hyperalgesia induced by peripheral neuropathic pain in NOS2 knockout mice. *BMC Pharmacology*, **2009**, 9, P24		78
72	Inflammation enhances mu-opioid receptor transcription and expression in mice intestine. *Molecular Pharmacology*, **2001**, 60, 894-9	4.3	63
71	Carbon monoxide reduces neuropathic pain and spinal microglial activation by inhibiting nitric oxide synthesis in mice. *PLoS ONE*, **2012**, 7, e43693	3.7	62
70	Expression of opioid receptors during peripheral inflammation. *Current Topics in Medicinal Chemistry*, **2004**, 4, 51-61	3	59
69	Treatment with carbon monoxide-releasing molecules and an HO-1 inducer enhances the effects and expression of μ-opioid receptors during neuropathic pain. *Anesthesiology*, **2013**, 118, 1180-97	4.3	52
68	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. *Journal of Pharmacology and Experimental Therapeutics*, **2010**, 334, 887-96	4.7	52
67	The expression of delta- and kappa-opioid receptor is enhanced during intestinal inflammation in mice. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 306, 455-62	4.7	46
66	Pharmacological evidence for the involvement of the endogenous opioid system in the response to local inflammation in the rat paw. *Pain*, **1995**, 60, 67-71	8	40
65	Sulforaphane Inhibited the Nociceptive Responses, Anxiety- and Depressive-Like Behaviors Associated With Neuropathic Pain and Improved the Anti-allodynic Effects of Morphine in Mice. *Frontiers in Pharmacology*, **2018**, 9, 1332	5.6	39
64	Peripheral effects of opioids in a model of chronic intestinal inflammation in mice. *Journal of Pharmacology and Experimental Therapeutics*, **1998**, 287, 1068-75	4.7	38
63	Peripheral effects of morphine and expression of δ-opioid receptors in the dorsal root ganglia during neuropathic pain: nitric oxide signaling. *Molecular Pain*, **2011**, 7, 25	3.4	36
62	Anti-exudative effects of opioid receptor agonists in a rat model of carrageenan-induced acute inflammation of the paw. *European Journal of Pharmacology*, **2005**, 511, 207-17	5.3	36
61	Isoflurane requirements during combined general/epidural anesthesia for major abdominal surgery. *Anesthesia and Analgesia*, **2002**, 94, 1331-7, table of contents	3.9	35
60	The spinal cord expression of neuronal and inducible nitric oxide synthases and their contribution in the maintenance of neuropathic pain in mice. *PLoS ONE*, **2010**, 5, e14321	3.7	35
59	Behavioral and neurochemical changes in response to acute stressors: influence of previous chronic exposure to immobilization. *Pharmacology Biochemistry and Behavior*, **1992**, 42, 407-12	3.9	34
58	Antinociceptive/anti-edema effects of liposomal morphine during acute inflammation of the rat paw. *Pharmacology*, **2000**, 60, 121-7	2.3	33

57	Treatment with a heme oxygenase 1 inducer enhances the antinociceptive effects of μ-opioid, δ-opioid, and cannabinoid 2 receptors during inflammatory pain. *Journal of Pharmacology and Experimental Therapeutics*, **2014**, 351, 224-32	4.7	32
56	Expression of opioid receptors and c-fos in CB1 knockout mice exposed to neuropathic pain. *Neuropharmacology*, **2006**, 50, 123-32	5.5	32
55	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. *Psychopharmacology*, **2013**, 228, 463-77	4.7	31
54	Peripheral antinociceptive effects of mu- and delta-opioid receptor agonists in NOS2 and NOS1 knockout mice during chronic inflammatory pain. *European Journal of Pharmacology*, **2009**, 602, 41-9	5.3	31
53	Treatment with Sulforaphane Produces Antinociception and Improves Morphine Effects during Inflammatory Pain in Mice. *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 363, 293-302	4.7	30
52	Diarrhea associated with intestinal inflammation increases the potency of mu and delta opioids on the inhibition of gastrointestinal transit in mice. *Journal of Pharmacology and Experimental Therapeutics*, **1994**, 270, 386-91	4.7	30
51	Interaction between metamizol and tramadol in a model of acute visceral pain in rats. *European Journal of Pain*, **2003**, 7, 439-48	3.7	29
50	Antiexudative effects of opioids and expression of kappa- and delta-opioid receptors during intestinal inflammation in mice: involvement of nitric oxide. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 316, 261-70	4.7	28
49	The involvement of the nitric oxide in the effects and expression of opioid receptors during peripheral inflammation. *Current Medicinal Chemistry*, **2007**, 14, 1945-55	4.3	28
48	Tolerance to the antinociceptive and antiexudative effects of morphine in a murine model of peripheral inflammation. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 322, 360-8	4.7	28
47	The involvement of nitric oxide in the enhanced expression of mu-opioid receptors during intestinal inflammation in mice. *British Journal of Pharmacology*, **2005**, 145, 758-66	8.6	28
46	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. *European Journal of Pharmacology*, **2012**, 685, 42-51	5.3	26
45	The effects of two chronic intermittent stressors on brain monoamines. *Pharmacology Biochemistry and Behavior*, **1996**, 53, 517-23	3.9	26
44	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. *Biochemical Pharmacology*, **2018**, 148, 52-63	6	26
43	The Induction of Heme Oxygenase 1 Decreases Painful Diabetic Neuropathy and Enhances the Antinociceptive Effects of Morphine in Diabetic Mice. *PLoS ONE*, **2016**, 11, e0146427	3.7	25
42	Interaction between tramadol and two anti-emetics on nociception and gastrointestinal transit in mice. *European Journal of Pain*, **2006**, 10, 629-38	3.7	23
41	The induction of the transcription factor Nrf2 enhances the antinociceptive effects of delta-opioid receptors in diabetic mice. *PLoS ONE*, **2017**, 12, e0180998	3.7	22
40	Reversal of tolerance to the antitransit effects of morphine during acute intestinal inflammation in mice. *British Journal of Pharmacology*, **1997**, 122, 1216-22	8.6	22

39	Analgesic and Antidepressant Effects of Oltipraz on Neuropathic Pain in Mice by Modulating Microglial Activation. *Journal of Clinical Medicine*, **2019**, 8,	5.1	21
38	The peripheral administration of a nitric oxide donor potentiates the local antinociceptive effects of a DOR agonist during chronic inflammatory pain in mice. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2009**, 380, 345-52	3.4	21
37	Effects of mu-opioid receptor agonists on intestinal secretion and permeability during acute intestinal inflammation in mice. *European Journal of Pharmacology*, **2000**, 389, 235-42	5.3	21
36	The antinociceptive effects of JWH-015 in chronic inflammatory pain are produced by nitric oxide-cGMP-PKG-KATP pathway activation mediated by opioids. *PLoS ONE*, **2011**, 6, e26688	3.7	20
35	Treatment With the Delta Opioid Agonist UFP-512 Alleviates Chronic Inflammatory and Neuropathic Pain: Mechanisms Implicated. *Frontiers in Pharmacology*, **2019**, 10, 283	5.6	19
34	The antinociceptive effects of a □opioid receptor agonist in mice with painful diabetic neuropathy: Involvement of heme oxygenase 1. *Neuroscience Letters*, **2016**, 614, 49-54	3.3	19
33	Treatment with a carbon monoxide-releasing molecule inhibits chronic inflammatory pain in mice: nitric oxide contribution. *Psychopharmacology*, **2014**, 231, 853-61	4.7	19
32	Intestinal inflammation and morphine tolerance alter the interaction between morphine and clonidine on gastrointestinal transit in mice. *Anesthesiology*, **2000**, 93, 219-30	4.3	19
31	Comparative assessment of the anaesthetic and analgesic effects of intramuscular and epidural clonidine in humans. *Canadian Journal of Anaesthesia*, **1996**, 43, 1195-202	3	19
30	Intestinal inflammation enhances the inhibitory effects of opioids on intestinal permeability in mice. *Journal of Pharmacology and Experimental Therapeutics*, **2001**, 296, 378-87	4.7	18
29	Peripheral effects of opioids in a model of intestinal inflammation in mice. *Pharmacology*, **1996**, 53, 340-50	2.3	17
28	Interaction of morphine and clonidine on gastrointestinal transit in mice. *Anesthesiology*, **1996**, 85, 1403-13	4.3	17
27	Effects of subarachnoid lidocaine, meperidine and fentanyl on somatosensory and motor evoked responses in awake humans. *Acta Anaesthesiologica Scandinavica*, **1996**, 40, 39-46	1.9	17
26	Peripheral effects of naloxone in mice with acute diarrhea associated with intestinal inflammation. *Journal of Pharmacology and Experimental Therapeutics*, **1995**, 272, 1271-6	4.7	17
25	The Inhibitory Effects of Cobalt Protoporphyrin IX and Cannabinoid 2 Receptor Agonists in Type 2 Diabetic Mice. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	16
24	Antibodies and antisense oligodeoxynucleotides to mu-opioid receptors, selectively block the effects of mu-opioid agonists on intestinal transit and permeability in mice. *British Journal of Pharmacology*, **1999**, 127, 397-404	8.6	16
23	The role of carbon monoxide on the anti-nociceptive effects and expression of cannabinoid 2 receptors during painful diabetic neuropathy in mice. *Psychopharmacology*, **2016**, 233, 2209-2219	4.7	16
22	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. *Antioxidants*, **2019**, 9,	7.1	13

21	The role of gaseous neurotransmitters in the antinociceptive effects of morphine during acute thermal pain. *European Journal of Pharmacology*, **2014**, 737, 41-6	5.3	13
20	The inhibitory effects of alpha(2)-adrenoceptor agonists on gastrointestinal transit during croton oil-induced intestinal inflammation. *British Journal of Pharmacology*, **1996**, 119, 1649-55	8.6	13
19	Comparative assessment of the effects of alfentanil, esmolol or clonidine when used as adjuvants during induction of general anaesthesia. *European Journal of Anaesthesiology*, **2004**, 21, 476-482	2.3	12
18	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. *Medicinal Research Reviews*, **2021**, 41, 136-155	14.4	12
17	Effects of morphine and liposomal morphine in a model of intestinal inflammation in mice. *Pharmacology*, **1996**, 53, 180-9	2.3	10
16	Antisense oligodeoxynucleotides to mu- and delta-opioid receptor mRNA block the enhanced effects of opioids during intestinal inflammation. *European Journal of Pharmacology*, **2001**, 428, 127-36	5.3	9
15	Inhibition of catecholamine synthesis with alpha-methyl-p-tyrosine apparently increases brain serotoninergic activity in the rat: no influence of previous chronic immobilization stress. *Pharmacology Biochemistry and Behavior*, **1995**, 52, 107-12	3.9	9
14	Administration of CORM-2 inhibits diabetic neuropathy but does not reduce dyslipidemia in diabetic mice. *PLoS ONE*, **2018**, 13, e0204841	3.7	8
13	Enhanced expression of heme oxygenase-1 in the locus coeruleus can be associated with anxiolytic-like effects. *Behavioural Brain Research*, **2018**, 336, 204-210	3.4	7
12	Comparative assessment of the effects of alfentanil, esmolol or clonidine when used as adjuvants during induction of general anaesthesia. *European Journal of Anaesthesiology*, **2004**, 21, 476-82	2.3	6
11	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. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	5
10	Treatment with slow-releasing hydrogen sulfide donors inhibits the nociceptive and depressive-like behaviours accompanying chronic neuropathic pain: Endogenous antioxidant system activation. *Journal of Psychopharmacology*, **2020**, 34, 737-749	4.6	4
9	The Antinociceptive, Antioxidant and Anti-Inflammatory Effects of 5-Fluoro-2-Oxindole during Inflammatory Pain. *Antioxidants*, **2020**, 9,	7.1	3
8	Treatment with 5-fluoro-2-oxindole Increases the Antinociceptive Effects of Morphine and Inhibits Neuropathic Pain. *Cellular and Molecular Neurobiology*, **2021**, 41, 995-1008	4.6	3
7	T264 POTENTIAL THERAPEUTIC ROLE OF CARBON MONOXIDE SYNTHESIZED BY HEME OXYGENASE-1 IN THE ATTENUATION OF NEUROPATHIC PAIN VIA MICROGLIAL CELLS INACTIVATION. *European Journal of Pain Supplements*, **2011**, 5, 54-54		2
6	The Anxiolytic and Antidepressant Effects of Diallyl Disulfide and GYY4137 in Animals with Chronic Neuropathic Pain. *Antioxidants*, **2021**, 10,	7.1	1
5	HO-CO pathway activation may be associated with hippocampal □and □opioid receptors in inhibiting inflammatory pain aversiveness and nociception in WT but not NOS2-KO mice. *Brain Research Bulletin*, **2021**, 169, 8-17	3.9	0
4	Effects of heme oxygenase 1 in the molecular changes and neuropathy associated with type 2 diabetes in mice.. *Biochemical Pharmacology*, **2022**, 199, 114987	6	0

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2 Cyclooxygenase-2 expression in opioid-tolerant mice during CFA-induced monoarthritis. *European Journal of Anaesthesiology*, **2005**, 22, 123-124 2.3

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