

Jana Sawynok

List of Publications by Citations

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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.

83

papers

3,454

citations

32

h-index

57

g-index

86

ext. papers

3,687

ext. citations

5

avg, IF

5.65

L-index

#	Paper	IF	Citations
83	Adenosine receptor activation and nociception. <i>European Journal of Pharmacology</i> , 1998 , 347, 1-11	5.3	353
82	Adenosine in the spinal cord and periphery: release and regulation of pain. <i>Progress in Neurobiology</i> , 2003 , 69, 313-40	10.9	280
81	Topical and peripherally acting analgesics. <i>Pharmacological Reviews</i> , 2003 , 55, 1-20	22.5	260
80	Acute amitriptyline in a rat model of neuropathic pain: differential symptom and route effects. <i>Pain</i> , 1999 , 80, 643-653	8	125
79	Topical 2% amitriptyline and 1% ketamine in neuropathic pain syndromes: a randomized, double-blind, placebo-controlled trial. <i>Anesthesiology</i> , 2005 , 103, 140-6	4.3	111
78	Peripheral antinociceptive action of amitriptyline in the rat formalin test: involvement of adenosine. <i>Pain</i> , 1999 , 80, 45-55	8	101
77	Pharmacological rationale for the clinical use of caffeine. <i>Drugs</i> , 1995 , 49, 37-50	12.1	98
76	Antinociception by adenosine analogs and inhibitors of adenosine metabolism in an inflammatory thermal hyperalgesia model in the rat. <i>Pain</i> , 1998 , 74, 235-45	8	97
75	Topical amitriptyline and ketamine in neuropathic pain syndromes: an open-label study. <i>Journal of Pain</i> , 2005 , 6, 644-9	5.2	93
74	Peripheral adenosine 5Xtriphosphate enhances nociception in the formalin test via activation of a purinergic p2X receptor. <i>European Journal of Pharmacology</i> , 1997 , 330, 115-21	5.3	76
73	ATP release from dorsal spinal cord synaptosomes: characterization and neuronal origin. <i>Brain Research</i> , 1993 , 610, 32-8	3.7	76
72	Caffeine and pain. <i>Pain</i> , 2011 , 152, 726-729	8	66
71	Caffeine blockade of the thermal antihyperalgesic effect of acute amitriptyline in a rat model of neuropathic pain. <i>European Journal of Pharmacology</i> , 2000 , 399, 131-9	5.3	63
70	Adenosine A3 receptor activation produces nociceptive behaviour and edema by release of histamine and 5-hydroxytryptamine. <i>European Journal of Pharmacology</i> , 1997 , 333, 1-7	5.3	59
69	Chronic administration of amitriptyline and caffeine in a rat model of neuropathic pain: multiple interactions. <i>European Journal of Pharmacology</i> , 2001 , 430, 211-8	5.3	54
68	Antinociception by adenosine analogs and an adenosine kinase inhibitor: dependence on formalin concentration. <i>European Journal of Pharmacology</i> , 1995 , 286, 177-84	5.3	54
67	Interactions of descending serotonergic systems with other neurotransmitters in the modulation of nociception. <i>Behavioural Brain Research</i> , 1996 , 73, 63-8	3.4	51

66	Complex role of peripheral adenosine in the genesis of the response to subcutaneous formalin in the rat. <i>European Journal of Pharmacology</i> , 1995 , 281, 311-8	5:3	51
65	The Formalin Test: Characteristics and Usefulness of the Model. <i>Reviews in Analgesia</i> , 2003 , 7, 145-163		50
64	A randomized controlled trial of qigong for fibromyalgia. <i>Arthritis Research and Therapy</i> , 2012 , 14, R178	5:7	49
63	Morphine releases endogenous adenosine from the spinal cord in vivo. <i>European Journal of Pharmacology</i> , 1987 , 141, 169-70	5:3	48
62	Topical analgesics in neuropathic pain. <i>Current Pharmaceutical Design</i> , 2005 , 11, 2995-3004	3:3	47
61	Modulation of formalin-induced behaviors and edema by local and systemic administration of dextromethorphan, memantine and ketamine. <i>European Journal of Pharmacology</i> , 2002 , 450, 153-62	5:3	46
60	Topical and peripheral ketamine as an analgesic. <i>Anesthesia and Analgesia</i> , 2014 , 119, 170-178	3:9	45
59	Peripheral antinociceptive effect of an adenosine kinase inhibitor, with augmentation by an adenosine deaminase inhibitor, in the rat formalin test. <i>Pain</i> , 1998 , 74, 75-81	8	44
58	Antinociception by tricyclic antidepressants in the rat formalin test: differential effects on different behaviours following systemic and spinal administration. <i>Pain</i> , 2001 , 93, 51-59	8	44
57	Caffeine antinociception in the rat hot-plate and formalin tests and locomotor stimulation: involvement of noradrenergic mechanisms. <i>Pain</i> , 1995 , 61, 203-213	8	42
56	Adenosine kinase inhibitors augment release of adenosine from spinal cord slices. <i>European Journal of Pharmacology</i> , 1996 , 307, 157-62	5:3	41
55	Pain catastrophizing predicts poor response to topical analgesics in patients with neuropathic pain. <i>Pain Research and Management</i> , 2012 , 17, 10-4	2:6	39
54	Methylxanthines and pain. <i>Handbook of Experimental Pharmacology</i> , 2011 , 311-29	3:2	39
53	Peripheral antihyperalgesic and analgesic actions of ketamine and amitriptyline in a model of mild thermal injury in the rat. <i>Anesthesia and Analgesia</i> , 2003 , 97, 168-73, table of contents	3:9	39
52	Antinociceptive and anti-inflammatory properties of an adenosine kinase inhibitor and an adenosine deaminase inhibitor. <i>European Journal of Pharmacology</i> , 1999 , 384, 123-38	5:3	36
51	5-Hydroxytryptamine releases adenosine and cyclic AMP from primary afferent nerve terminals in the spinal cord in vivo. <i>Brain Research</i> , 1990 , 528, 55-61	3:7	32
50	Caffeine inhibits antinociception by acetaminophen in the formalin test by inhibiting spinal adenosine A ₁ receptors. <i>European Journal of Pharmacology</i> , 2012 , 674, 248-54	5:3	31
49	5-Hydroxytryptamine releases adenosine from primary afferent nerve terminals in the spinal cord. <i>Brain Research</i> , 1988 , 462, 346-9	3:7	31

48	Antinociception by systemically-administered acetaminophen (paracetamol) involves spinal serotonin 5-HT ₇ and adenosine A ₁ receptors, as well as peripheral adenosine A ₁ receptors. <i>Neuroscience Letters</i> , 2013 , 536, 64-8	3:3	29
47	Peripheral interactions between dextromethorphan, ketamine and amitriptyline on formalin-evoked behaviors and paw edema in rats. <i>Pain</i> , 2003 , 102, 179-86	8	29
46	Desipramine potentiates spinal antinociception by 5-hydroxytryptamine, morphine and adenosine. <i>Pain</i> , 1992 , 50, 113-118	8	26
45	Spinal serotonin 5-HT ₇ and adenosine A ₁ receptors, as well as peripheral adenosine A ₁ receptors, are involved in antinociception by systemically administered amitriptyline. <i>European Journal of Pharmacology</i> , 2013 , 698, 213-9	5:3	25
44	Spinal and peripheral adenosine A ₁ receptors contribute to antinociception by tramadol in the formalin test in mice. <i>European Journal of Pharmacology</i> , 2013 , 714, 373-8	5:3	25
43	Peripheral P2X receptors and nociception: interactions with biogenic amine systems. <i>Pain</i> , 2004 , 110, 79-89	8	25
42	Synergy between mu/delta-opioid receptors mediates adenosine release from spinal cord synaptosomes. <i>European Journal of Pharmacology</i> , 1996 , 298, 45-9	5:3	25
41	Adenosine A ₁ receptor-dependent antinociception induced by inosine in mice: pharmacological, genetic and biochemical aspects. <i>Molecular Neurobiology</i> , 2015 , 51, 1368-78	6:2	24
40	Pain behaviors produced by capsaicin: influence of inflammatory mediators and nerve injury. <i>Journal of Pain</i> , 2006 , 7, 134-41	5:2	24
39	Perisurgical amitriptyline produces a preventive effect on afferent hypersensitivity following spared nerve injury. <i>Pain</i> , 2009 , 146, 308-314	8	23
38	Alpha1-adrenergic receptors augment P2X ₃ receptor-mediated nociceptive responses in the uninjured state. <i>Journal of Pain</i> , 2007 , 8, 556-62	5:2	23
37	Modulation of adenosine release from rat spinal cord by adenosine deaminase and adenosine kinase inhibitors. <i>Brain Research</i> , 1995 , 699, 315-20	3:7	23
36	Amitriptyline enhances extracellular tissue levels of adenosine in the rat hindpaw and inhibits adenosine uptake. <i>European Journal of Pharmacology</i> , 2005 , 518, 116-22	5:3	22
35	Caffeine reverses antinociception by amitriptyline in wild type mice but not in those lacking adenosine A ₁ receptors. <i>Neuroscience Letters</i> , 2008 , 440, 181-4	3:3	21
34	Intraplantar injection of glutamate evokes peripheral adenosine release in the rat hind paw: involvement of peripheral ionotropic glutamate receptors and capsaicin-sensitive sensory afferents. <i>Journal of Neurochemistry</i> , 2002 , 80, 562-70	6	21
33	Caffeine reverses antinociception by oxcarbazepine by inhibition of adenosine A ₁ receptors: insights using knockout mice. <i>Neuroscience Letters</i> , 2010 , 473, 178-81	3:3	20
32	Potentialiation of formalin-evoked adenosine release by an adenosine kinase inhibitor and an adenosine deaminase inhibitor in the rat hind paw: a microdialysis study. <i>European Journal of Pharmacology</i> , 2000 , 408, 143-52	5:3	19
31	Involvement of calcium channels in depolarization-evoked release of adenosine from spinal cord synaptosomes. <i>Journal of Neurochemistry</i> , 1993 , 60, 886-93	6	19

30	Morphine-evoked release of adenosine from the spinal cord occurs via a nucleoside carrier with differential sensitivity to dipyridamole and nitrobenzylthioinosine. <i>Brain Research</i> , 1993 , 614, 301-7	3-7	19
29	Contributions of peripheral, spinal, and supraspinal actions to analgesia. <i>European Journal of Pharmacology</i> , 2014 , 734, 114-21	5-3	18
28	Role of G-proteins and adenylate cyclase in antinociception produced by intrathecal purines. <i>European Journal of Pharmacology</i> , 1988 , 156, 25-34	5-3	18
27	Acute paw oedema induced by local injection of adenosine A(1), A(2) and A(3) receptor agonists. <i>European Journal of Pharmacology</i> , 1999 , 386, 253-61	5-3	17
26	Caffeine antinociception: role of formalin concentration and adenosine A1 and A2 receptors. <i>European Journal of Pharmacology</i> , 1996 , 298, 105-11	5-3	17
25	Qigong and fibromyalgia: randomized controlled trials and beyond. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014 , 2014, 379715	2-3	16
24	Involvement of mast cells, sensory afferents and sympathetic mechanisms in paw oedema induced by adenosine A(1) and A(2B/3) receptor agonists. <i>European Journal of Pharmacology</i> , 2000 , 395, 47-50	5-3	16
23	8-Phenyltheophylline reverses the antinociceptive action of morphine in the periaqueductal gray. <i>Neuropharmacology</i> , 1991 , 30, 871-7	5-5	16
22	Topical amitriptyline and ketamine for post-herpetic neuralgia and other forms of neuropathic pain. <i>Expert Opinion on Pharmacotherapy</i> , 2016 , 17, 601-9	4	14
21	Topical analgesics for neuropathic pain in the elderly: current and future prospects. <i>Drugs and Aging</i> , 2014 , 31, 853-62	4-7	13
20	Involvement of primary sensory afferents, postganglionic sympathetic nerves and mast cells in the formalin-evoked peripheral release of adenosine. <i>European Journal of Pharmacology</i> , 2001 , 429, 147-55	5-3	12
19	Role of ascending and descending serotonergic pathways in the antinociceptive effect of baclofen. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1988 , 337, 359-65	3-4	11
18	Substance P releases and augments the morphine-evoked release of adenosine from spinal cord. <i>Brain Research</i> , 1997 , 760, 294-7	3-7	10
17	Catastrophizing and treatment outcome: differential impact on response to placebo and active treatment outcome. <i>Contemporary Hypnosis</i> , 2008 , 25, 129-140		8
16	Chaoyi Fanhuan Qigong and fibromyalgia: methodological issues and two case reports. <i>Journal of Alternative and Complementary Medicine</i> , 2013 , 19, 383-6	2-4	7
15	A pilot trial of CFQ for treatment of fibromyalgia. <i>Journal of Alternative and Complementary Medicine</i> , 2009 , 15, 1057-8	2-4	7
14	Adrenergic regulation of P2X3 and TRPV1 receptors: differential effects of spared nerve injury. <i>Neuroscience Letters</i> , 2008 , 444, 172-5	3-3	7
13	Adenosine and Pain 2013 , 343-360		7

12	Qigong and Fibromyalgia circa 2017. <i>Medicines (Basel, Switzerland)</i> , 2017 , 4,	4.1	6
11	Qualitative analysis of a controlled trial of qigong for fibromyalgia: advancing understanding of an emerging health practice. <i>Journal of Alternative and Complementary Medicine</i> , 2014 , 20, 606-17	2.4	5
10	Extension trial of qigong for fibromyalgia: a quantitative and qualitative study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013 , 2013, 726062	2.3	5
9	Adenosine and pain: Recent findings with directly and indirectly acting agents. <i>Drug Development Research</i> , 1998 , 45, 304-311	5.1	4
8	Reduction of formalin-evoked responses and maintenance of peripheral antinociception by morphine against formalin in the spared nerve injury model. <i>Neuroscience Letters</i> , 2011 , 494, 99-103	3.3	3
7	Amitriptyline produces multiple influences on the peripheral enhancement of nociception by P2X receptors. <i>European Journal of Pharmacology</i> , 2004 , 499, 275-83	5.3	1
6	Chronic intrathecal cannulas inhibit some and potentiate other behaviors elicited by formalin injection. <i>Pain</i> , 2003 , 103, 7-9	8	1
5	Observational Study of Qigong as a Complementary Self-Care Practice at a Tertiary-Care Pain Management Unit. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021 , 2021, 6621069	2.3	0
4	History of the Pharmacological Society of Canada 1956-2008. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020 , 98, 343-350	2.4	
3	Topical Analgesics 2010 , 135-141		
2	Adenosine \square A peripheral neuronal modulator of pain and inflammation 2003 , 177-199		
1	Tricyclic Antidepressants As Analgesics in the Elderly 2006 , 117-132		