

Siegfried Mense

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,539
citations

172207

29
h-index

189595

50
g-index

63
all docs

63
docs citations

63
times ranked

1683
citing authors

#	ARTICLE	IF	CITATIONS
1	Appearance of new receptive fields in rat dorsal horn neurons following noxious stimulation of skeletal muscle: a model for referral of muscle pain?. <i>Neuroscience Letters</i> , 1993, 153, 9-12.	1.0	227
2	Excitatory effects of 5-hydroxytryptamine, histamine and potassium ions on muscular group IV afferent units: A comparison with bradykinin. <i>Brain Research</i> , 1976, 105, 459-469.	1.1	162
3	The pathogenesis of muscle pain. <i>Current Pain and Headache Reports</i> , 2003, 7, 419-425.	1.3	160
4	Excitatory and modulatory effects of inflammatory cytokines and neurotrophins on mechanosensitive group IV muscle afferents in the rat. <i>Pain</i> , 2005, 114, 168-176.	2.0	145
5	Painful and non-painful pressure sensations from human skeletal muscle. <i>Experimental Brain Research</i> , 2004, 159, 273-283.	0.7	124
6	Muscle Pain. <i>Deutsches A&#x0308;rztblatt International</i> , 2008, 105, 214-9.	0.6	116
7	Acidic pH and capsaicin activate mechanosensitive group IV muscle receptors in the rat. <i>Pain</i> , 2004, 110, 149-157.	2.0	106
8	Effects of temperature on the discharges of muscle spindles and tendon organs. <i>Pflugers Archiv European Journal of Physiology</i> , 1978, 374, 159-166.	1.3	100
9	Responses of group IV and group III muscle afferents to thermal stimuli. <i>Brain Research</i> , 1976, 113, 201-205.	1.1	87
10	Adenosine triphosphate as a stimulant for nociceptive and non-nociceptive muscle group IV receptors in the rat. <i>Neuroscience Letters</i> , 2003, 338, 25-28.	1.0	71
11	Sensitization of rat dorsal horn neurons by NGF-induced subthreshold potentials and low-frequency activation. A study employing intracellular recordings in vivo. <i>Brain Research</i> , 2007, 1169, 34-43.	1.1	69
12	Dorsal horn neurons having input from low back structures in rats. <i>Pain</i> , 2008, 138, 119-129.	2.0	68
13	Experimental pain by ischaemic contractions compared with pain by intramuscular infusions of adenosine and hypertonic saline. <i>European Journal of Pain</i> , 2003, 7, 93-102.	1.4	65
14	Expression of neuropeptides and nitric oxide synthase in neurones innervating the inflamed rat urinary bladder. <i>Journal of the Autonomic Nervous System</i> , 1997, 65, 33-44.	1.9	64
15	Myositis-induced functional reorganisation of the rat dorsal horn: effects of spinal superfusion with antagonists to neurokinin and glutamate receptors. <i>Pain</i> , 1997, 69, 219-230.	2.0	62
16	Innervation of the thoracolumbar fascia. <i>European Journal of Translational Myology</i> , 2019, 29, 8297.	0.8	62
17	Nociceptive input from the rat thoracolumbar fascia to lumbar dorsal horn neurones. <i>European Journal of Pain</i> , 2011, 15, 810-815.	1.4	61
18	Injection of nerve growth factor into a low back muscle induces long-lasting latent hypersensitivity in rat dorsal horn neurons. <i>Pain</i> , 2013, 154, 1953-1960.	2.0	54

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19	How Do Muscle Lesions such as Latent and Active Trigger Points Influence Central Nociceptive Neurons?. <i>Journal of Musculoskeletal Pain</i> , 2010, 18, 348-353.	0.3	47
20	Basic neurobiologic mechanisms of pain and analgesia. <i>American Journal of Medicine</i> , 1983, 75, 4-14.	0.6	46
21	Role of spinal microglia in myositis-induced central sensitisation: An immunohistochemical and behavioural study in rats. <i>European Journal of Pain</i> , 2009, 13, 915-923.	1.4	42
22	Biochemical Pathogenesis of Myofascial Pain. <i>Journal of Musculoskeletal Pain</i> , 1996, 4, 145-162.	0.3	40
23	Shock wave treatment improves nerve regeneration in the rat. <i>Muscle and Nerve</i> , 2013, 47, 702-710.	1.0	39
24	Evidence for the existence of different receptor sites for algescic agents at the endings of muscular group IV afferent units. <i>Pflugers Archiv European Journal of Physiology</i> , 1976, 362, 141-146.	1.3	38
25	Pathophysiologic Basis of Muscle Pain Syndromes: An Update. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 1997, 8, 23-53.	0.7	38
26	The possible role of the NO-cGMP pathway in nociception: Different spinal and supraspinal action of enzyme blockers on rat dorsal horn neurones. <i>Pain</i> , 2005, 117, 358-367.	2.0	34
27	Contribution of TTX-resistant C-fibres and A δ -fibres to nociceptive flexor-reflex and non-flexor-reflex pathways in cats. <i>Neuroscience Research</i> , 2000, 37, 277-287.	1.0	33
28	Pathophysiological activity in rat dorsal horn neurones in segments rostral to a chronic spinal cord injury. <i>Brain Research</i> , 2003, 974, 134-145.	1.1	33
29	Neuroanatomical pathway of nociception originating in a low back muscle (multifidus) in the rat. <i>Neuroscience Letters</i> , 2007, 427, 22-27.	1.0	29
30	Evidence for the existence of nociceptors in rat thoracolumbar fascia. <i>Journal of Bodywork and Movement Therapies</i> , 2016, 20, 623-628.	0.5	28
31	Tetrodotoxin-resistant conductivity and spinal effects of cutaneous C-fibre afferents in the rat. <i>Neuroscience Research</i> , 2001, 39, 413-419.	1.0	26
32	Prevention and reversal of latent sensitization of dorsal horn neurons by glial blockers in a model of low back pain in male rats. <i>Journal of Neurophysiology</i> , 2017, 118, 2059-2069.	0.9	24
33	Comparison of nerve growth factor-induced sensitization pattern in lumbar and tibial muscle and fascia. <i>Muscle and Nerve</i> , 2015, 52, 265-272.	1.0	22
34	Tetrodotoxin block of A-fibre afferents from skin and muscle – a tool to study pure C-fibre effects in the spinal cord. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 445, 607-613.	1.3	21
35	Effects of Spinal Cord Superfusion with Substance P on the Excitability of Rat Dorsal Horn Neurons Processing Input from Deep Tissues. <i>Journal of Musculoskeletal Pain</i> , 1995, 3, 23-43.	0.3	20
36	Rats with chronic spinal cord transection as a possible model for the at-level pain of paraplegic patients. <i>Neuroscience Letters</i> , 2002, 323, 117-120.	1.0	20

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37	A rat model for studying effects of sacral neuromodulation on the contractile activity of a chronically inflamed bladder. <i>BJU International</i> , 2004, 94, 158-163.	1.3	20
38	Interaction between neurotransmitter antagonists and effects of sacral neuromodulation in rats with chronically hyperactive bladder. <i>BJU International</i> , 2005, 96, 900-908.	1.3	19
39	Spinal cord fractalkine (CX3CL1) signaling is critical for neuronal sensitization in experimental nonspecific, myofascial low back pain. <i>Journal of Neurophysiology</i> , 2021, 125, 1598-1611.	0.9	16
40	Changes in the number of nitric oxide-synthesizing neurones on both sides of a chronic transection of the rat spinal cord. <i>Neuroscience Letters</i> , 2000, 287, 125-128.	1.0	15
41	Changes in NADPH-diaphorase activity in the rat dorsal horn following an acute experimental myositis. <i>Histochemistry</i> , 1995, 103, 459-462.	1.9	10
42	Effects on c-Fos expression in the PAG and thalamus by selective input via tetrodotoxin-resistant afferent fibres from muscle and skin. <i>Neuroscience Research</i> , 2006, 56, 270-278.	1.0	9
43	ABOLITION OF CYSTITIS-INDUCED BLADDER INSTABILITY BY LOCAL SPINAL CORD COOLING. <i>Journal of Urology</i> , 1998, 160, 236-241.	0.2	8
44	Fatigue and pain; what is the connection?. <i>Pain</i> , 2010, 148, 177-178.	2.0	7
45	High-frequency modulation of rat spinal field potentials: effects of slowly conducting muscle vs. skin afferents. <i>Journal of Neurophysiology</i> , 2016, 115, 692-700.	0.9	7
46	Rat dorsal horn neurons primed by stress develop a long-lasting manifest sensitization after a short-lasting nociceptive low back input. <i>Pain Reports</i> , 2021, 6, e904.	1.4	7
47	Do we know enough to put forward a unifying hypothesis?. <i>Journal of Pain</i> , 2002, 3, 264-267.	0.7	6
48	Leukotriene D4 depresses the mechanosensitivity of group III and IV muscle receptors in the rat. <i>NeuroReport</i> , 1994, 5, 645-648.	0.6	5
49	Fibroblast growth factor-2 acutely influences the impulse activity of rat dorsal horn neurones. <i>Neuroscience Research</i> , 2001, 40, 115-123.	1.0	5
50	Tetrodotoxin-resistant fibres and spinal Fos expression: differences between input from muscle and skin. <i>Experimental Brain Research</i> , 2013, 224, 571-580.	0.7	5
51	Fibroblast growth factor-2 depresses the impulse activity of rat dorsal horn neurones in vivo. <i>Neuroscience Letters</i> , 1995, 200, 65-68.	1.0	4
52	Central Nervous Sequelae of Local Muscle Pain. <i>Journal of Musculoskeletal Pain</i> , 2004, 12, 101-109.	0.3	4
53	Action potentials and subthreshold potentials of dorsal horn neurons in a rat model of myositis: a study employing intracellular recordings in vivo. <i>Journal of Neurophysiology</i> , 2019, 122, 632-643.	0.9	4
54	Referral of Musculoskeletal Pain. , 2010, , 177-205.		3

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55	Characteristics of Muscle Nociception. Pain and Headache, 2007, , 7-17.	0.1	1
56	Nociception. , 2012, , 95-101.		1
57	Response to Weiner and Schmaderâ€™ Postherpetic Pain: More Than Sensory Neuralgia?. Pain Medicine, 2006, 7, 250-250.	0.9	0
58	Morphology of Myofascial Trigger Points: What Does a Trigger Point Look Like?. , 2010, , 85-102.		0
59	Anatomy of Nociceptors. , 2020, , 11-32.		0