Hans-Georg Schaible

List of Publications by Citations

52 papers	3,491 citations	29 h-index	53 g-index
53 ext. papers	3,959 ext. citations	6.1 avg, IF	5.59 L-index

#	Paper	IF	Citations
52	Afferent and spinal mechanisms of joint pain. *Pain*, **1993**, 55, 5-54	8	452
51	Mechanisms of pain in arthritis. *Annals of the New York Academy of Sciences*, **2002**, 966, 343-54	6.5	423
50	A de novo gain-of-function mutation in SCN11A causes loss of pain perception. *Nature Genetics*, **2013**, 45, 1399-404	36.3	205
49	Sensitization of unmyelinated sensory fibers of the joint nerve to mechanical stimuli by interleukin-6 in the rat: an inflammatory mechanism of joint pain. *Arthritis and Rheumatism*, **2007**, 56, 351-9		175
48	Changes in the effect of spinal prostaglandin E2 during inflammation: prostaglandin E (EP1-EP4) receptors in spinal nociceptive processing of input from the normal or inflamed knee joint. *Journal of Neuroscience*, **2004**, 24, 642-51	6.6	174
47	Nociceptive neurons detect cytokines in arthritis. *Arthritis Research and Therapy*, **2014**, 16, 470	5.7	157
46	Mechanisms of chronic pain in osteoarthritis. *Current Rheumatology Reports*, **2012**, 14, 549-56	4.9	148
45	Joint pain. *Experimental Brain Research*, **2009**, 196, 153-62	2.3	141
44	Antinociceptive effects of tumor necrosis factor alpha neutralization in a rat model of antigen-induced arthritis: evidence of a neuronal target. *Arthritis and Rheumatism*, **2008**, 58, 2368-78		125
43	Is there a correlation between spreading depression, neurogenic inflammation, and nociception that might cause migraine headache?. *Annals of Neurology*, **2001**, 49, 7-13	9.4	105
42	Mechanisms of Osteoarthritic Pain. Studies in Humans and Experimental Models. *Frontiers in Molecular Neuroscience*, **2017**, 10, 349	6.1	94
41	Update on peripheral mechanisms of pain: beyond prostaglandins and cytokines. *Arthritis Research and Therapy*, **2011**, 13, 210	5.7	91
40	Interleukin-17 sensitizes joint nociceptors to mechanical stimuli and contributes to arthritic pain through neuronal interleukin-17 receptors in rodents. *Arthritis and Rheumatism*, **2012**, 64, 4125-34		86
39	Pathophysiology of pain. *Langenbeckʼs Archives of Surgery*, **2004**, 389, 237-43	3.4	85
38	Experimental arthritis causes tumor necrosis factor-alpha-dependent infiltration of macrophages into rat dorsal root ganglia which correlates with pain-related behavior. *Pain*, **2009**, 145, 151-9	8	80
37	Tumor necrosis factor causes persistent sensitization of joint nociceptors to mechanical stimuli in rats. *Arthritis and Rheumatism*, **2010**, 62, 3806-14		79
36	Neuronal IL-17 receptor upregulates TRPV4 but not TRPV1 receptors in DRG neurons and mediates mechanical but not thermal hyperalgesia. *Molecular and Cellular Neurosciences*, **2013**, 52, 152-60	4.8	67

35	The role of interleukin-1β in arthritic pain: main involvement in thermal, but not mechanical, hyperalgesia in rat antigen-induced arthritis. *Arthritis and Rheumatism*, **2012**, 64, 3897-907		67
34	Neurogenic aspects of inflammation. *Rheumatic Disease Clinics of North America*, **2005**, 31, 77-101, ix	2.4	67
33	Spinal tumor necrosis factor alpha neutralization reduces peripheral inflammation and hyperalgesia and suppresses autonomic responses in experimental arthritis: a role for spinal tumor necrosis factor alpha during induction and maintenance of peripheral inflammation. *Arthritis and Rheumatism*, **2010**, 62, 1308-18		60
32	Spinal interleukin-6 is an amplifier of arthritic pain in the rat. *Arthritis and Rheumatism*, **2012**, 64, 2233-42		56
31	Calcitonin gene-related peptide enhances TTX-resistant sodium currents in cultured dorsal root ganglion neurons from adult rats. *Pain*, **2005**, 116, 194-204	8	52
30	The anti-inflammatory effects of sympathectomy in murine antigen-induced arthritis are associated with a reduction of Th1 and Th17 responses. *Annals of the Rheumatic Diseases*, **2012**, 71, 253-61	2.4	50
29	Function of the sympathetic supply in acute and chronic experimental joint inflammation. *Autonomic Neuroscience: Basic and Clinical*, **2014**, 182, 55-64	2.4	47
28	Gait abnormalities differentially indicate pain or structural joint damage in monoarticular antigen-induced arthritis. *Pain*, **2009**, 145, 142-50	8	40
27	Interleukin-6-dependent influence of nociceptive sensory neurons on antigen-induced arthritis. *Arthritis Research and Therapy*, **2015**, 17, 334	5.7	38
26	Pain sensation in human osteoarthritic knee joints is strongly enhanced by diabetes mellitus. *Pain*, **2017**, 158, 1743-1753	8	37
25	Spinal Mechanisms Contributing to Joint Pain. *Novartis Foundation Symposium*, **2008**, 4-27		34
24	Involvement of peripheral and spinal tumor necrosis factor in spinal cord hyperexcitability during knee joint inflammation in rats. *Arthritis and Rheumatology*, **2014**, 66, 599-609	9.5	29
23	Involvement of Spinal IL-6 Trans-Signaling in the Induction of Hyperexcitability of Deep Dorsal Horn Neurons by Spinal Tumor Necrosis Factor-Alpha. *Journal of Neuroscience*, **2016**, 36, 9782-91	6.6	29
22	Effects of differently activated rodent macrophages on sensory neurons: implications for arthritis pain. *Arthritis and Rheumatology*, **2015**, 67, 2263-72	9.5	27
21	Interleukin-17A is involved in mechanical hyperalgesia but not in the severity of murine antigen-induced arthritis. *Scientific Reports*, **2017**, 7, 10334	4.9	25
20	Evaluation of long-term antinociceptive properties of stabilized hyaluronic acid preparation (NASHA) in an animal model of repetitive joint pain. *Arthritis Research and Therapy*, **2011**, 13, R110	5.7	25
19	Spinal mechanisms contributing to joint pain. *Novartis Foundation Symposium*, **2004**, 260, 4-22; discussion 22-7, 100-4, 277-9		20
18	Effects of interleukin-1β on cortical spreading depolarization and cerebral vasculature. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 1791-1802	7.3	14

17	Long-Lasting Activation of the Transcription Factor CREB in Sensory Neurons by Interleukin-1 During Antigen-Induced Arthritis in Rats: A Mechanism of Persistent Arthritis Pain?. *Arthritis and Rheumatology*, **2016**, 68, 532-41	9.5	13
16	Transient Receptor Potential vanilloid 4 ion channel in C-fibres is involved in mechanonociception of the normal and inflamed joint. *Scientific Reports*, **2019**, 9, 10928	4.9	12
15	Emerging concepts of pain therapy based on neuronal mechanisms. *Handbook of Experimental Pharmacology*, **2015**, 227, 1-14	3.2	11
14	Osteoarthritis pain. Recent advances and controversies. *Current Opinion in Supportive and Palliative Care*, **2018**, 12, 148-153	2.6	10
13	Antigen-induced arthritis in rats is associated with increased growth-associated protein 43-positive intraepidermal nerve fibres remote from the joint. *Arthritis Research and Therapy*, **2015**, 17, 299	5.7	9
12	Contribution of Inflammation and Bone Destruction to Pain in Arthritis: A Study in Murine Glucose-6-Phosphate Isomerase-Induced Arthritis. *Arthritis and Rheumatology*, **2019**, 71, 2016-2026	9.5	8
11	Impact of Diabetes Mellitus on Knee Osteoarthritis Pain and Physical and Mental Status: Data From the Osteoarthritis Initiative. *Arthritis Care and Research*, **2021**, 73, 540-548	4.7	6
10	Does chloride channel accessory 3 have a role in arthritis pain? A study on murine antigen-induced arthritis. *Neuroscience Letters*, **2014**, 576, 40-4	3.3	5
9	The potential of substance P to initiate and perpetuate cortical spreading depression (CSD) in rat in vivo. *Scientific Reports*, **2018**, 8, 17656	4.9	5
8	Pain-related behaviors associated with persistence of mechanical hyperalgesia after antigen-induced arthritis in rats. *Pain*, **2020**, 161, 1571-1583	8	3
7	Gain-of-function mutation in SCN11A causes itch and affects neurogenic inflammation and muscle function in Scn11a+/L799P mice. *PLoS ONE*, **2020**, 15, e0237101	3.7	2
6	A Promising New Approach for the Treatment of Inflammatory Pain: Transfer of Stem Cell-Derived Tyrosine Hydroxylase-Positive Cells. *NeuroImmunoModulation*, **2018**, 25, 225-237	2.5	2
5	Spinal interleukin-1 induces mechanical spinal hyperexcitability in rats: Interactions and redundancies with TNF and IL-6. *Journal of Neurochemistry*, **2021**, 158, 898-911	6	1
4	Physiologie der Schmerzentstehung in der Peripherie. *Aktuelle Rheumatologie*, **2020**, 45, 402-412	0.1	0
3	Periphere und zentrale Sensibilisierung durch das Immunsystem **2022**, 5, 18-24		
2	Spreading depression (SD) waves in the brainstem can be elicited after blockade of potassium channels evidence for the role of extracellular potassium ions as a driving force?. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, S438-S438	7.3	
1	Joint Pain **2020**, 571-591		