Rolf-Detlef Treede

List of Publications by Year
in descending order

124 papers	22,930 citations	23500 58 h-index	16127 124 g-index
131 all docs	131 docs citations	131 times ranked	16682 citing authors

#	Article	IF	Citations
1	Human brain mechanisms of pain perception and regulation in health and disease. European Journal of Pain, 2005, 9, 463-463.	1.4	2,538
2	Pharmacologic management of neuropathic pain: Evidence-based recommendations. Pain, 2007, 132, 237-251.	2.0	1,740
3	A classification of chronic pain for ICD-11. Pain, 2015, 156, 1003-1007.	2.0	1,701
4	Chronic pain as a symptom or a disease: the IASP Classification of Chronic Pain for the International Classification of Diseases (ICD-11). Pain, 2019, 160, 19-27.	2.0	1,547
5	Recommendations for the Pharmacological Management of Neuropathic Pain: An Overview and Literature Update. Mayo Clinic Proceedings, 2010, 85, S3-S14.	1.4	1,083
6	A new definition of neuropathic pain. Pain, 2011, 152, 2204-2205.	2.0	1,074
7	NeuPSIG guidelines on neuropathic pain assessment. Pain, 2011, 152, 14-27.	2.0	871
8	Neuropathic pain: an updated grading system for research and clinical practice. Pain, 2016, 157, 1599-1606.	2.0	824
9	The Kyoto protocol of IASP Basic Pain Terminology â˜†. Pain, 2008, 137, 473-477.	2.0	822
10	Peripheral and central mechanisms of cutaneous hyperalgesia. Progress in Neurobiology, 1992, 38, 397-421.	2.8	819
11	The IASP classification of chronic pain for ICD-11: chronic primary pain. Pain, 2019, 160, 28-37.	2.0	645
12	The IASP classification of chronic pain for ICD-11: chronic neuropathic pain. Pain, 2019, 160, 53-59.	2.0	571
13	Peripheral neuropathic pain: a mechanism-related organizing principle based on sensory profiles. Pain, 2017, 158, 261-272.	2.0	462
14	Value of quantitative sensory testing in neurological and pain disorders: NeuPSIG consensus. Pain, 2013, 154, 1807-1819.	2.0	428
15	Reference data for quantitative sensory testing (QST): Refined stratification for age and a novel method for statistical comparison of group data. Pain, 2010, 151, 598-605.	2.0	416
16	The IASP classification of chronic pain for ICD-11: chronic postsurgical or posttraumatic pain. Pain, 2019, 160, 45-52.	2.0	377
17	Trigeminal neuralgia. Neurology, 2016, 87, 220-228.	1.5	354
18	Interventional management of neuropathic pain: NeuPSIG recommendations. Pain, 2013, 154, 2249-2261.	2.0	344

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19	Clinical usefulness of laser-evoked potentials. Neurophysiologie Clinique, 2003, 33, 303-314.	1.0	334
20	Perceptual Correlates of Nociceptive Long-Term Potentiation and Long-Term Depression in Humans. Journal of Neuroscience, 2004, 24, 964-971.	1.7	318
21	Neural Correlates of Antinociception in Borderline Personality Disorder. Archives of General Psychiatry, 2006, 63, 659.	13.8	263
22	Secondary hyperalgesia and perceptual wind-up following intradermal injection of capsaicin in humans. Pain, 1998, 74, 257-268.	2.0	229
23	Brain imaging tests for chronic pain: medical, legal and ethical issues and recommendations. Nature Reviews Neurology, 2017, 13, 624-638.	4.9	220
24	Myelinated Mechanically Insensitive Afferents From Monkey Hairy Skin: Heat-Response Properties. Journal of Neurophysiology, 1998, 80, 1082-1093.	0.9	211
25	The IASP classification of chronic pain for ICD-11: chronic secondary musculoskeletal pain. Pain, 2019, 160, 77-82.	2.0	200
26	Peripheral and central components of habituation of heat pain perception and evoked potentials in humans. Pain, 2007, 132, 301-311.	2.0	188
27	Assessment of Neuropathic Pain in Primary Care. American Journal of Medicine, 2009, 122, S13-S21.	0.6	177
28	The IASP classification of chronic pain for ICD-11: chronic cancer-related pain. Pain, 2019, 160, 38-44.	2.0	176
29	The International Association for the Study of Pain definition of pain: as valid in 2018 as in 1979, but in need of regularly updated footnotes. Pain Reports, 2018, 3, e643.	1.4	171
30	Sensory signs in complex regional pain syndrome and peripheral nerve injury. Pain, 2012, 153, 765-774.	2.0	168
31	Quantitative sensory testing in the German Research Network on Neuropathic Pain (DFNS): Reference data for the trunk and application in patients with chronic postherpetic neuralgia. Pain, 2014, 155, 1002-1015.	2.0	157
32	Pseudoradicular and radicular low-back pain â€“ A disease continuum rather than different entities? Answers from quantitative sensory testing. Pain, 2008, 135, 65-74.	2.0	140
33	Challenges of neuropathic pain: focus on diabetic neuropathy. Journal of Neural Transmission, 2020, 127, 589-624.	1.4	130
34	Sensory findings after stimulation of the thoracolumbar fascia with hypertonic saline suggest its contribution to low back pain. Pain, 2014, 155, 222-231.	2.0	115
35	Human surrogate models of neuropathic pain. Pain, 2005, 115, 227-233.	2.0	108
36	Capsaicin-sensitive C- and A-fibre nociceptors control long-term potentiation-like pain amplification in humans. Brain, 2015, 138, 2505-2520.	3.7	102

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37	The IASP classification of chronic pain for ICD-11: functioning properties of chronic pain. Pain, 2019, 160, 88-94.	2.0	101
38	Secondary tactile hypoesthesia: a novel type of pain-induced somatosensory plasticity in human subjects. Neuroscience Letters, 2004, 361, 136-139.	1.0	94
39	The pain inhibiting pain effect: an electrophysiological study in humans. Brain Research, 2000, 862, 103-110.	1.1	93
40	Assessing symptom profiles in neuropathic pain clinical trials: Can it improve outcome?. European Journal of Pain, 2011, 15, 441-443.	1.4	88
41	The IASP classification of chronic pain for ICD-11: chronic secondary headache or orofacial pain. Pain, 2019, 160, 60-68.	2.0	87
42	Analysis of hyperalgesia time courses in humans after painful electrical high-frequency stimulation identifies a possible transition from early to late LTP-like pain plasticity. Pain, 2011, 152, 1532-1539.	2.0	86
43	Altered pressure pain thresholds and increased wind-up in adult patients with chronic back pain with a history of childhood maltreatment: a quantitative sensory testing study. Pain, 2016, 157, 1799-1809.	2.0	83
44	The role of quantitative sensory testing in the prediction of chronic pain. Pain, 2019, 160, S66-S69.	2.0	81
45	Gain control mechanisms in the nociceptive system. Pain, 2016, 157, 1199-1204.	2.0	80
46	The IASP classification of chronic pain for ICD-11: chronic secondary visceral pain. Pain, 2019, 160, 69-76.	2.0	78
47	Pathophysiological mechanisms of neuropathic pain: comparison of sensory phenotypes in patients and human surrogate pain models. Pain, 2018, 159, 1090-1102.	2.0	77
48	Conditioned pain modulation in patients with nonspecific chronic back pain with chronic local pain, chronic widespread pain, and fibromyalgia. Pain, 2017, 158, 430-439.	2.0	76
49	Dissociated secondary hyperalgesia in a subject with a large-fibre sensory neuropathy. Pain, 1993, 53, 169-174.	2.0	74
50	Modality-specific sensory changes in humans after the induction of long-term potentiation (LTP) in cutaneous nociceptive pathways. Pain, 2007, 128, 254-263.	2.0	73
51	The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation. Pain, 2008, 139, 507-519.	2.0	72
52	Inhibition of Rapid Heat Responses in Nociceptive Primary Sensory Neurons of Rats by Vanilloid Receptor Antagonists. Journal of Neurophysiology, 1999, 82, 2853-2860.	0.9	71
53	Quantitative sensory testing using DFNS protocol in Europe. Pain, 2016, 157, 750-758.	2.0	71
54	CO2 laser radiant heat pulses activate C nociceptors in man. Pflugers Archiv European Journal of Physiology, 1983, 399, 155-156.	1.3	69

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55	Distinct quantitative sensory testing profiles in nonspecific chronic back pain subjects with and without psychological trauma. Pain, 2015, 156, 577-586.	2.0	67
56	Nociceptive input from the rat thoracolumbar fascia to lumbar dorsal horn neurones. European Journal of Pain, 2011, 15, 810-815.	1.4	61
57	Tramadol reduces anxiety-related and depression-associated behaviors presumably induced by pain in the chronic constriction injury model of neuropathic pain in rats. Pharmacology Biochemistry and Behavior, 2014, 124, 290-296.	1.3	61
58	Peripheral Acute Pain Mechanisms. Annals of Medicine, 1995, 27, 213-216.	1.5	60
59	The IASP classification of chronic pain for ICD-11: applicability in primary care. Pain, 2019, 160, 83-87.	2.0	56
60	Injection of nerve growth factor into a low back muscle induces long-lasting latent hypersensitivity in rat dorsal horn neurons. Pain, 2013, 154, 1953-1960.	2.0	54
61	Human surrogate models of central sensitization: A critical review and practical guide. European Journal of Pain, 2021, 25, 1389-1428.	1.4	51
62	Sensitivity of laser-evoked potentials versus somatosensory evoked potentials in patients with multiple sclerosis. Clinical Neurophysiology, 2003, 114, 992-1002.	0.7	49
63	Perceptual Correlate of Nociceptive Long-Term Potentiation (LTP) in Humans Shares the Time Course of Early-LTP. Journal of Neurophysiology, 2006, 96, 3551-3555.	0.9	48
64	Inward currents in primary nociceptive neurons of the rat and pain sensations in humans elicited by infrared diode laser pulses. Pain, 2002, 99, 145-155.	2.0	47
65	The Role of Sex in Sleep Deprivation Related Changes of Nociception and Conditioned Pain Modulation. Neuroscience, 2018, 387, 191-200.	1.1	47
66	Characterizing pinprick-evoked brain potentials before and after experimentally induced secondary hyperalgesia. Journal of Neurophysiology, 2015, 114, 2672-2681.	0.9	46
67	Inactivation and tachyphylaxis of heatâ€evoked inward currents in nociceptive primary sensory neurones of rats. Journal of Physiology, 2000, 528, 539-549.	1.3	43
68	Inflammatory and neuropathic pain conditions do not primarily evoke anxietyâ€like behaviours in C57<scp>BL</scp>/6 mice. European Journal of Pain, 2019, 23, 285-306.	1.4	39
69	Pilot field testing of the chronic pain classification for ICD-11: the results of ecological coding. BMC Public Health, 2018, 18, 1239.	1.2	34
70	Classification of chronic pain for the International Classification of Diseases (ICD-11): results of the 2017 international World Health Organization field testing. Pain, 2022, 163, e310-e318.	2.0	34
71	Electrical high-frequency stimulation of the human thoracolumbar fascia evokes long-term potentiation-like pain amplification. Pain, 2016, 157, 2309-2317.	2.0	33
72	Deep phenotyping neuropathy: An underestimated complication in patients with pre-diabetes and type 2 diabetes associated with albuminuria. Diabetes Research and Clinical Practice, 2018, 146, 191-201.	1.1	32

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73	How to detect a sensory abnormality. European Journal of Pain, 2008, 12, 395-396.	1.4	31
74	Understanding Diabetic Neuropathyâ€"From Subclinical Nerve Lesions to Severe Nerve Fiber Deficits: A Cross-Sectional Study in Patients With Type 2 Diabetes and Healthy Control Subjects. Diabetes, 2020, 69, 436-447.	0.3	31
75	Duloxetine and 8-OH-DPAT, but not fluoxetine, reduce depression-like behaviour in an animal model of chronic neuropathic pain. Neuroscience Letters, 2016, 619, 162-167.	1.0	28
76	Prevention and reversal of latent sensitization of dorsal horn neurons by glial blockers in a model of low back pain in male rats. Journal of Neurophysiology, 2017, 118, 2059-2069.	0.9	24
77	Assessment of pain quality reveals distinct differences between nociceptive innervation of low back fascia and muscle in humans. Pain Reports, 2018, 3, e662.	1.4	22
78	Review of techniques useful for the assessment of sensory small fiber neuropathies: Report from an IFCN expert group. Clinical Neurophysiology, 2022, 136, 13-38.	0.7	21
79	Features and methods to discriminate between mechanism-based categories of pain experienced in the musculoskeletal system: a Delphi expert consensus study. Pain, 2022, 163, 1812-1828.	2.0	21
80	Contribution of the P2X4 Receptor in Rat Hippocampus to the Comorbidity of Chronic Pain and Depression. ACS Chemical Neuroscience, 2020, 11, 4387-4397.	1.7	18
81	Mechanical punctate pain threshold is associated with headache frequency and phase in patients with migraine. Cephalalgia, 2020, 40, 990-997.	1.8	18
82	Comparing the ICD-11 chronic pain classification with ICD-10: how can the new coding system make chronic pain visible? A study in a tertiary care pain clinic setting. Pain, 2021, 162, 1995-2001.	2.0	18
83	Classification algorithm for the International Classification of Diseases-11 chronic pain classification: development and results from a preliminary pilot evaluation. Pain, 2021, 162, 2087-2096.	2.0	18
84	The role of seeing blood in non-suicidal self-injury in female patients with borderline personality disorder. Psychiatry Research, 2016, 246, 676-682.	1.7	17
85	Spinal cord stimulation modulates descending pain inhibition and temporal summation of pricking pain in patients with neuropathic pain. Acta Neurochirurgica, 2018, 160, 2509-2519.	0.9	16
86	The serotonin receptor 2A (HTR2A) rs6313 variant is associated with higher ongoing pain and signs of central sensitization in neuropathic pain patients. European Journal of Pain, 2021, 25, 595-611.	1.4	16
87	Spinal cord fractalkine (CX3CL1) signaling is critical for neuronal sensitization in experimental nonspecific, myofascial low back pain. Journal of Neurophysiology, 2021, 125, 1598-1611.	0.9	16
88	Assessment of pain as an emotion in animals and in humans. Experimental Neurology, 2006, 197, 1-3.	2.0	15
89	The Inhibition by Guanfu Base A of Neuropathic Pain Mediated by P2Y₁₂ Receptor in Dorsal Root Ganglia. ACS Chemical Neuroscience, 2019, 10, 1318-1325.	1.7	15
90	Pain thresholds and intensities of CRPS type I and neuropathic pain in respect to sex. European Journal of Pain, 2020, 24, 1058-1071.	1.4	14

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91	Evaluation of the International Classification of Diseases-11 chronic pain classification: study protocol for an ecological implementation field study in low-, middle-, and high-income countries. Pain Reports, 2020, 5, e825.	1.4	13
92	The capsaicin receptor TRPV1 is the first line defense protecting from acute non damaging heat: a translational approach. Journal of Translational Medicine, 2020, 18, 28.	1.8	13
93	Acetylsalicylic acid enhances tachyphylaxis of repetitive capsaicin responses in TRPV1-GFP expressing HEK293 cells. Neuroscience Letters, 2014, 563, 101-106.	1.0	12
94	Heat-Induced Action Potential Discharges in Nociceptive Primary Sensory Neurons of Rats. Journal of Neurophysiology, 2009, 102, 424-436.	0.9	11
95	N-octanoyl dopamine treatment exerts renoprotective properties in acute kidney injury but not in renal allograft recipients. Nephrology Dialysis Transplantation, 2016, 31, 564-573.	0.4	10
96	SIGMA-1 Receptor Gene Variants Affect the Somatosensory Phenotype in Neuropathic Pain Patients. Journal of Pain, 2019, 20, 201-214.	0.7	10
97	Detection of central circuits implicated in the formation of novel pain memories. Journal of Pain Research, 2016, Volume 9, 671-681.	0.8	9
98	Variable transcriptional responsiveness of the P2X3 receptor gene during CFAâ€induced inflammatory hyperalgesia. Journal of Cellular Biochemistry, 2018, 119, 3922-3935.	1.2	9
99	Sleep Deprivation Related Changes of Plasma Oxytocin in Males and Female Contraceptive Users Depend on Sex and Correlate Differentially With Anxiety and Pain Hypersensitivity. Frontiers in Behavioral Neuroscience, 2018, 12, 161.	1.0	9
100	Reliability and clinical utility of the chronic pain classification in the 11th Revision of the International Classification of Diseases from a global perspective: results from India, Cuba, and New Zealand. Pain, 2022, 163, e453-e462.	2.0	8
101	Pain sensitivities predict prophylactic treatment outcomes of flunarizine in chronic migraine patients: A prospective study. Cephalalgia, 2022, 42, 899-909.	1.8	8
102	High-frequency modulation of rat spinal field potentials: effects of slowly conducting muscle vs. skin afferents. Journal of Neurophysiology, 2016, 115, 692-700.	0.9	7
103	Neural network-based alterations during repetitive heat pain stimulation in major depression. European Neuropsychopharmacology, 2019, 29, 1033-1040.	0.3	7
104	Rat dorsal horn neurons primed by stress develop a long-lasting manifest sensitization after a short-lasting nociceptive low back input. Pain Reports, 2021, 6, e904.	1.4	7
105	Changes in birth-related pain perception impact of neurobiological and psycho-social factors. Archives of Gynecology and Obstetrics, 2018, 297, 591-599.	0.8	6
106	Technical and clinical performance of the thermoâ€test device â€œQâ€Senseâ€•to assess small fibre function: A headâ€toâ€head comparison with the â€œThermal Sensory Analyzerâ€•TSA in diabetic patients and healthy volunteers. European Journal of Pain, 2019, 23, 1863-1878.	1.4	5
107	Management of pain in individuals with spinal cord injury: Guideline of the German-Speaking Medical Society for Spinal Cord Injury. GMS German Medical Science, 2019, 17, Doc05.	2.7	5
108	Passing lanes and slow lanes into the nociceptive network of the human brain. Pain, 2006, 123, 223-225.	2.0	4

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109	Response to letter by Werner et al.. Pain, 2013, 154, 176-178.	2.0	4
110	Action potentials and subthreshold potentials of dorsal horn neurons in a rat model of myositis: a study employing intracellular recordings in vivo. Journal of Neurophysiology, 2019, 122, 632-643.	0.9	4
111	Tenderness of the Skin after Chemical Stimulation of Underlying Temporal and Thoracolumbar Fasciae Reveals Somatosensory Crosstalk between Superficial and Deep Tissues. Life, 2021, 11, 370.	1.1	4
112	Dose-Dependent Pain and Pain Radiation after Chemical Stimulation of the Thoracolumbar Fascia and Multifidus Muscle: A Single-Blinded, Cross-Over Study Revealing a Higher Impact of Fascia Stimulation. Life, 2022, 12, 340.	1.1	4
113	TRPM3-mediated dynamic mitochondrial activity in nerve growth factorâ€“induced latent sensitization of chronic low back pain. Pain, 2022, 163, e1115-e1128.	2.0	4
114	Neurogenic hyperalgesia: illuminating its mechanisms with an infrared laser. Journal of Physiology, 2016, 594, 6441-6442.	1.3	3
115	Cycloartanes from Oxyanthus pallidus and derivatives with analgesic activities. BMC Complementary and Alternative Medicine, 2016, 16, 97.	3.7	3
116	Effects of a Painful Stimulus on Stress Regulation in Male Patients With Borderline Personality Disorder: A Pilot Study. Journal of Personality Disorders, 2019, 33, 394-412.	0.8	3
117	Reply to Goebel and Molloy. Pain, 2021, 162, 322-322.	2.0	3
118	IMI2-PainCare-BioPain-RCT3: a randomized, double-blind, placebo-controlled, crossover, multi-center trial in healthy subjects to investigate the effects of lacosamide, pregabalin, and tapentadol on biomarkers of pain processing observed by electroencephalography (EEG). Trials, 2021, 22, 404.	0.7	3
119	Contralateral sensitisation is not specific for complex regional pain syndrome. Comment on Br J Anaesth 2021; 127: e1â€“3. British Journal of Anaesthesia, 2021, 127, e173-e176.	1.5	3
120	Mechanical Punctate Pain Thresholds in Patients With Migraine Across Different Migraine Phases: A Narrative Review. Frontiers in Neurology, 2021, 12, 801437.	1.1	2
121	IMI2-PainCare-BioPain-RCT1: study protocol for a randomized, double-blind, placebo-controlled, crossover, multi-center trial in healthy subjects to investigate the effects of lacosamide, pregabalin, and tapentadol on biomarkers of pain processing observed by peripheral nerve excitability testing (NET). Trials, 2022, 23, 163.	0.7	2
122	Pain severity ratings in the 11th revision of the International Classification of Diseases: a versatile tool for rapid assessment. Pain, 2022, 163, 2421-2429.	2.0	2
123	Assay sensitivity in clinical trials with chronic pain patients. Pain, 2012, 153, 1136-1137.	2.0	0
124	Combination pharmacotherapy for tackling descending controls and central sensitization. European Journal of Pain, 2019, 23, 1049-1050.	1.4	0