Peter Reeh

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207 papers	13,009 citations	64 h-index	107 g-index
217 ext. papers	14,115 ext. citations	6 avg, IF	6.11 L-index

#	Paper	IF	Citations
207	Protons selectively induce lasting excitation and sensitization to mechanical stimulation of nociceptors in rat skin, in vitro. *Journal of Neuroscience*, **1992**, 12, 86-95	6.6	440
206	Cannabinoids mediate analgesia largely via peripheral type 1 cannabinoid receptors in nociceptors. *Nature Neuroscience*, **2007**, 10, 870-9	25.5	430
205	Methylglyoxal modification of Nav1.8 facilitates nociceptive neuron firing and causes hyperalgesia in diabetic neuropathy. *Nature Medicine*, **2012**, 18, 926-33	50.5	339
204	TREK-1, a K+ channel involved in polymodal pain perception. *EMBO Journal*, **2006**, 25, 2368-76	13	323
203	Sensory neuron sodium channel Nav1.8 is essential for pain at low temperatures. *Nature*, **2007**, 447, 855-8	38.4	297
202	TRPA1 channels mediate acute neurogenic inflammation and pain produced by bacterial endotoxins. *Nature Communications*, **2014**, 5, 3125	17.4	280
201	Chemosensitivity of fine afferents from rat skin in vitro. *Journal of Neurophysiology*, **1990**, 63, 887-901	3.2	280
200	The mechano-activated K+ channels TRAAK and TREK-1 control both warm and cold perception. *EMBO Journal*, **2009**, 28, 1308-18	13	270
199	H2S and NO cooperatively regulate vascular tone by activating a neuroendocrine HNO-TRPA1-CGRP signalling pathway. *Nature Communications*, **2014**, 5, 4381	17.4	267
198	Responsiveness and functional attributes of electrically localized terminals of cutaneous C-fibers in vivo and in vitro. *Journal of Neurophysiology*, **1992**, 68, 581-95	3.2	265
197	Sensory receptors in mammalian skin in an in vitro preparation. *Neuroscience Letters*, **1986**, 66, 141-6	3.3	253
196	A dominant role of acid pH in inflammatory excitation and sensitization of nociceptors in rat skin, in vitro. *Journal of Neuroscience*, **1995**, 15, 3982-9	6.6	240
195	Selective excitation by capsaicin of mechano-heat sensitive nociceptors in rat skin. *Brain Research*, **1988**, 446, 262-8	3.7	229
194	Tissue acidosis in nociception and pain. *Progress in Brain Research*, **1996**, 113, 143-51	2.9	211
193	Sensory and signaling mechanisms of bradykinin, eicosanoids, platelet-activating factor, and nitric oxide in peripheral nociceptors. *Physiological Reviews*, **2012**, 92, 1699-775	47.9	200
192	Pain due to tissue acidosis: a mechanism for inflammatory and ischemic myalgia?. *Neuroscience Letters*, **1996**, 208, 191-4	3.3	190
191	Does neurogenic inflammation alter the sensitivity of unmyelinated nociceptors in the rat?. *Brain Research*, **1986**, 384, 42-50	3.7	189

190	Sox10 is required for Schwann cell identity and progression beyond the immature Schwann cell stage. *Journal of Cell Biology*, **2010**, 189, 701-12	7.3	170
189	The nociceptor sensitization by bradykinin does not depend on sympathetic neurons. *Neuroscience*, **1992**, 46, 465-73	3.9	167
188	Sustained graded pain and hyperalgesia from harmless experimental tissue acidosis in human skin. *Neuroscience Letters*, **1993**, 154, 113-6	3.3	164
187	Release of substance P, calcitonin gene-related peptide and prostaglandin E2 from rat dura mater encephali following electrical and chemical stimulation in vitro. *Neuroscience*, **1999**, 89, 901-7	3.9	161
186	TRPA1 and substance P mediate colitis in mice. *Gastroenterology*, **2011**, 141, 1346-58	13.3	152
185	Molecular physiology of proton transduction in nociceptors. *Current Opinion in Pharmacology*, **2001**, 1, 45-51	5.1	141
184	Methylglyoxal activates nociceptors through transient receptor potential channel A1 (TRPA1): a possible mechanism of metabolic neuropathies. *Journal of Biological Chemistry*, **2012**, 287, 28291-306	5.4	139
183	Variable sensitivity to noxious heat is mediated by differential expression of the CGRP gene. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 12938-43	11.5	139
182	Pattern of monosynaptic Ia connections in the cat forelimb. *Journal of Physiology*, **1989**, 419, 321-51	3.9	139
181	Unresponsive afferent nerve fibres in the sural nerve of the rat. *Journal of Physiology*, **1991**, 435, 229-42	3.9	132
180	Phenotyping sensory nerve endings in vitro in the mouse. *Nature Protocols*, **2009**, 4, 174-96	18.8	128
179	Excitation of cutaneous afferent nerve endings in vitro by a combination of inflammatory mediators and conditioning effect of substance P. *Experimental Brain Research*, **1992**, 91, 467-76	2.3	121
178	The effect of carrageenan-induced inflammation on the sensitivity of unmyelinated skin nociceptors in the rat. *Pain*, **1987**, 29, 363-373	8	121
177	Actions of cholinergic agonists and antagonists on sensory nerve endings in rat skin, in vitro. *Journal of Neurophysiology*, **1993**, 70, 397-405	3.2	115
176	Beyond H2S and NO interplay: hydrogen sulfide and nitroprusside react directly to give nitroxyl (HNO). A new pharmacological source of HNO. *Journal of Medicinal Chemistry*, **2013**, 56, 1499-508	8.3	109
175	Sustained sensitization and recruitment of rat cutaneous nociceptors by bradykinin and a novel theory of its excitatory action. *Journal of Physiology*, **2001**, 532, 229-39	3.9	109
174	The vanilloid receptor TRPV1 is activated and sensitized by local anesthetics in rodent sensory neurons. *Journal of Clinical Investigation*, **2008**, 118, 763-76	15.9	108
173	Excitatory nicotinic and desensitizing muscarinic (M2) effects on C-nociceptors in isolated rat skin. *Journal of Neuroscience*, **2001**, 21, 3295-302	6.6	101

172	Rat peripheral nerve components release calcitonin gene-related peptide and prostaglandin E2 in response to noxious stimuli: evidence that nervi nervorum are nociceptors. *Neuroscience*, **1999**, 92, 319-25	3.9	101
171	Pain due to experimental acidosis in human skin: evidence for non-adapting nociceptor excitation. *Neuroscience Letters*, **1995**, 199, 29-32	3.3	99
170	Interactions of inflammatory mediators stimulating release of calcitonin gene-related peptide, substance P and prostaglandin E(2) from isolated rat skin. *Neuropharmacology*, **2001**, 40, 416-23	5.5	98
169	Discharge patterns of afferent cutaneous nerve fibers from the rat's tail during prolonged noxious mechanical stimulation. *Experimental Brain Research*, **1987**, 65, 493-504	2.3	94
168	Inflammatory mediators at acidic pH activate capsaicin receptors in cultured sensory neurons from newborn rats. *Journal of Neurophysiology*, **1998**, 79, 670-6	3.2	93
167	5,6-EET is released upon neuronal activity and induces mechanical pain hypersensitivity via TRPA1 on central afferent terminals. *Journal of Neuroscience*, **2012**, 32, 6364-72	6.6	92
166	Inflammatory mediators potentiate pain induced by experimental tissue acidosis. *Pain*, **1996**, 66, 163-70	8	91
165	Sox10 is required for Schwann-cell homeostasis and myelin maintenance in the adult peripheral nerve. *Glia*, **2011**, 59, 1022-32	9	89
164	Ciguatoxins activate specific cold pain pathways to elicit burning pain from cooling. *EMBO Journal*, **2012**, 31, 3795-808	13	89
163	Sodium channelopathies and pain. *Pflugers Archiv European Journal of Physiology*, **2010**, 460, 249-63	4.6	89
162	Calcitonin gene-related peptide and prostaglandin E2 but not substance P release induced by antidromic nerve stimulation from rat skin in vitro. *Neuroscience*, **1999**, 89, 303-10	3.9	84
161	Sensitization of nociceptive cutaneous nerve fibers from the rat's tail by noxious mechanical stimulation. *Experimental Brain Research*, **1987**, 65, 505-12	2.3	82
160	Direct evidence for functional TRPV1/TRPA1 heteromers. *Pflugers Archiv European Journal of Physiology*, **2014**, 466, 2229-41	4.6	81
159	Muscarinic receptor subtypes mediating central and peripheral antinociception studied with muscarinic receptor knockout mice: a review. *Life Sciences*, **2003**, 72, 2047-54	6.8	81
158	Human TRPA1 is a heat sensor displaying intrinsic U-shaped thermosensitivity. *Scientific Reports*, **2016**, 6, 28763	4.9	76
157	Morphological evidence for functional capsaicin receptor expression and calcitonin gene-related peptide exocytosis in isolated peripheral nerve axons of the mouse. *Neuroscience*, **2004**, 126, 585-90	3.9	76
156	Phenotyping the function of TRPV1-expressing sensory neurons by targeted axonal silencing. *Journal of Neuroscience*, **2013**, 33, 315-26	6.6	75
155	Transient opening of the perineurial barrier for analgesic drug delivery. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2018-27	11.5	74

154	New mechanism underlying IL-31-induced atopic dermatitis. *Journal of Allergy and Clinical Immunology*, **2018**, 141, 1677-1689.e8	11.5	73
153	The molecular basis for species-specific activation of human TRPA1 protein by protons involves poorly conserved residues within transmembrane domains 5 and 6. *Journal of Biological Chemistry*, **2013**, 288, 20280-92	5.4	73
152	Activation of TRPM3 by a potent synthetic ligand reveals a role in peptide release. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E1363-72	11.5	70
151	A technique for fast application of heated solutions of different composition to cultured neurones. *Journal of Neuroscience Methods*, **1998**, 82, 195-201	3	69
150	Improved superfusion technique for rapid cooling or heating of cultured cells under patch-clamp conditions. *Journal of Neuroscience Methods*, **2006**, 151, 178-85	3	68
149	The proximodistal aggravation of colitis depends on substance P released from TRPV1-expressing sensory neurons. *Journal of Gastroenterology*, **2012**, 47, 256-65	6.9	67
148	Rises in [Ca2+]i mediate capsaicin- and proton-induced heat sensitization of rat primary nociceptive neurons. *European Journal of Neuroscience*, **1999**, 11, 3143-50	3.5	67
147	Role of sensory neurons in colitis: increasing evidence for a neuroimmune link in the gut. *Inflammatory Bowel Diseases*, **2011**, 17, 1030-3	4.5	66
146	Local anesthetic-like inhibition of voltage-gated Na(+) channels by the partial μ-opioid receptor agonist buprenorphine. *Anesthesiology*, **2012**, 116, 1335-46	4.3	66
145	The general anesthetic propofol excites nociceptors by activating TRPV1 and TRPA1 rather than GABAA receptors. *Journal of Biological Chemistry*, **2010**, 285, 34781-92	5.4	65
144	Sensitized peripheral nociception in experimental diabetes of the rat. *Pain*, **2010**, 151, 496-505	8	65
143	Heat-induced release of CGRP from isolated rat skin and effects of bradykinin and the protein kinase C activator PMA. *Pain*, **1999**, 83, 289-95	8	64
142	Receptors, cells and circuits involved in pruritus of systemic disorders. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 869-92	6.9	62
141	The TRPV1/2/3 activator 2-aminoethoxydiphenyl borate sensitizes native nociceptive neurons to heat in wildtype but not TRPV1 deficient mice. *Neuroscience*, **2005**, 135, 1277-84	3.9	61
140	Injection pain of rocuronium and vecuronium is evoked by direct activation of nociceptive nerve endings. *European Journal of Anaesthesiology*, **2003**, 20, 245-253	2.3	59
139	ATP can enhance the proton-induced CGRP release through P2Y receptors and secondary PGE(2) release in isolated rat dura mater. *Pain*, **2002**, 97, 259-265	8	58
138	Stable analogues of cyclic AMP but not cyclic GMP sensitize unmyelinated primary afferents in rat skin to heat stimulation but not to inflammatory mediators, in vitro. *Neuroscience*, **1996**, 74, 609-17	3.9	58
137	Systemic desensitization through TRPA1 channels by capsazepine and mustard oil - a novel strategy against inflammation and pain. *Scientific Reports*, **2016**, 6, 28621	4.9	57

136	The interphase of the formalin test. *Pain*, **2014**, 155, 511-521	8	56
135	Protease activated receptors 1 and 4 sensitize TRPV1 in nociceptive neurones. *Molecular Pain*, **2010**, 6, 61	3.4	56
134	A high-threshold heat-activated channel in cultured rat dorsal root ganglion neurons resembles TRPV2 and is blocked by gadolinium. *European Journal of Neuroscience*, **2007**, 26, 12-22	3.5	55
133	Muscarinic M2 receptors on peripheral nerve endings: a molecular target of antinociception. *Journal of Neuroscience*, **2002**, 22, RC229	6.6	55
132	Proton-induced calcitonin gene-related peptide release from rat sciatic nerve axons, in vitro, involving TRPV1. *European Journal of Neuroscience*, **2003**, 18, 803-10	3.5	55
131	Recordings from brain stem neurons responding to chemical stimulation of the subarachnoid space. *Journal of Neurophysiology*, **1997**, 77, 3122-33	3.2	52
130	Photosensitization in Porphyrias and Photodynamic Therapy Involves TRPA1 and TRPV1. *Journal of Neuroscience*, **2016**, 36, 5264-78	6.6	52
129	Streptozotocin Stimulates the Ion Channel TRPA1 Directly: INVOLVEMENT OF PEROXYNITRITE. *Journal of Biological Chemistry*, **2015**, 290, 15185-96	5.4	51
128	An interaction of inflammatory mediators and protons in small diameter dorsal root ganglion neurons of the rat. *Neuroscience Letters*, **1997**, 224, 37-40	3.3	48
127	TRPV1, TRPA1, and CB1 in the isolated vagus nerve--axonal chemosensitivity and control of neuropeptide release. *Neuropeptides*, **2011**, 45, 391-400	3.3	47
126	Bradykinin-induced nociceptor sensitization to heat is mediated by cyclooxygenase products in isolated rat skin. *European Journal of Neuroscience*, **2001**, 14, 210-8	3.5	47
125	Substance P, calcitonin gene related peptide and PGE2 co-released from the mouse colon: a new model to study nociceptive and inflammatory responses in viscera, in vitro. *Pain*, **2001**, 93, 213-219	8	47
124	Analgesic treatment of ciguatoxin-induced cold allodynia. *Pain*, **2013**, 154, 1999-2006	8	45
123	Role of nitric oxide in zymosan induced paw inflammation and thermal hyperalgesia. *Inflammation Research*, **2001**, 50, 83-8	7.2	45
122	Nociceptor excitation by thermal sensitization--a hypothesis. *Progress in Brain Research*, **2000**, 129, 39-50	2.9	44
121	Calcitonin gene-related peptide release from intact isolated dorsal root and trigeminal ganglia. *Neuropeptides*, **2008**, 42, 311-7	3.3	43
120	Noxious heat-induced CGRP release from rat sciatic nerve axons in vitro. *European Journal of Neuroscience*, **2001**, 14, 1203-8	3.5	43
119	Topical acetylsalicylic, salicylic acid and indomethacin suppress pain from experimental tissue acidosis in human skin. *Pain*, **1995**, 62, 339-347	8	43

118	Low pH facilitates capsaicin responses in isolated sensory neurons of the rat. *Neuroscience Letters*, **1996**, 211, 5-8	3.3	43
117	Angiotensin II facilitates sympathetic transmission in rat hind limb circulation. *Hypertension*, **1993**, 21, 322-8	8.5	43
116	Carrageenan inflammation increases bradykinin sensitivity of rat cutaneous nociceptors. *Neuroscience Letters*, **1990**, 111, 206-10	3.3	43
115	Bupivacaine-induced cellular entry of QX-314 and its contribution to differential nerve block. *British Journal of Pharmacology*, **2014**, 171, 438-51	8.6	42
114	Inflammatory pain control by blocking oxidized phospholipid-mediated TRP channel activation. *Scientific Reports*, **2017**, 7, 5447	4.9	41
113	HCN2 channels account for mechanical (but not heat) hyperalgesia during long-standing inflammation. *Pain*, **2014**, 155, 1079-1090	8	41
112	Muscarinic M2 receptors inhibit heat-induced CGRP release from isolated rat skin. *NeuroReport*, **2001**, 12, 2457-60	1.7	41
111	Soluble epoxide hydrolase limits mechanical hyperalgesia during inflammation. *Molecular Pain*, **2011**, 7, 78	3.4	40
110	The anti-diabetic drug glibenclamide is an agonist of the transient receptor potential Ankyrin 1 (TRPA1) ion channel. *European Journal of Pharmacology*, **2013**, 704, 15-22	5.3	39
109	Pro- and anti-inflammatory actions of ricinoleic acid: similarities and differences with capsaicin. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2001**, 364, 87-95	3.4	39
108	Differential Contribution of TRPA1, TRPV4 and TRPM8 to Colonic Nociception in Mice. *PLoS ONE*, **2015**, 10, e0128242	3.7	38
107	TRPV1 controls acid- and heat-induced calcitonin gene-related peptide release and sensitization by bradykinin in the isolated mouse trachea. *European Journal of Neuroscience*, **2009**, 29, 1896-904	3.5	37
106	Injection pain of rocuronium and vecuronium is evoked by direct activation of nociceptive nerve endings. *European Journal of Anaesthesiology*, **2003**, 20, 245-53	2.3	37
105	Sensory transduction in peripheral nerve axons elicits ectopic action potentials. *Journal of Neuroscience*, **2008**, 28, 6281-4	6.6	36
104	Sensitization to heat through G-protein-coupled receptor pathways in the isolated sciatic mouse nerve. *European Journal of Neuroscience*, **2007**, 25, 3570-5	3.5	35
103	Role of different proton-sensitive channels in releasing calcitonin gene-related peptide from isolated hearts of mutant mice. *Cardiovascular Research*, **2005**, 65, 405-10	9.9	35
102	Transient receptor potential melastatin 8 ion channel in macrophages modulates colitis through a balance-shift in TNF-alpha and interleukin-10 production. *Mucosal Immunology*, **2016**, 9, 1500-1513	9.2	34
101	Opposite effects of substance P and calcitonin gene-related peptide in oxazolone colitis. *Digestive and Liver Disease*, **2012**, 44, 24-9	3.3	34

100	Conditioning of histamine by bradykinin alters responses of rat nociceptor and human itch sensation. *Neuroscience Letters*, **1993**, 152, 117-20	3.3	34
99	Measurement of the analgesic effects of aspirin with a new experimental algesimetric procedure. *Pain*, **1988**, 32, 215-222	8	34
98	TRPA1 and TRPV1 are differentially involved in heat nociception of mice. *European Journal of Pain*, **2013**, 17, 1472-82	3.7	33
97	Amplified cold transduction in native nociceptors by M-channel inhibition. *Journal of Neuroscience*, **2013**, 33, 16627-41	6.6	33
96	Activated human platelets in plasma excite nociceptors in rat skin, in vitro. *Neuroscience Letters*, **1994**, 170, 103-6	3.3	33
95	Establishment of myelinating Schwann cells and barrier integrity between central and peripheral nervous systems depend on Sox10. *Glia*, **2012**, 60, 806-19	9	32
94	Differential effects of TRPV channel block on polymodal activation of rat cutaneous nociceptors in vitro. *Experimental Brain Research*, **2009**, 196, 31-44	2.3	32
93	Effects of TRPV1 receptor antagonists on stimulated iCGRP release from isolated skin of rats and TRPV1 mutant mice. *Pain*, **2004**, 109, 284-290	8	32
92	Bimodal concentration-response of nicotine involves the nicotinic acetylcholine receptor, transient receptor potential vanilloid type 1, and transient receptor potential ankyrin 1 channels in mouse trachea and sensory neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2013**, 347, 529-39	4.7	31
91	Cigarette smoke has sensory effects through nicotinic and TRPA1 but not TRPV1 receptors on the isolated mouse trachea and larynx. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2015**, 309, L812-20	5.8	31
90	Tonic postganglionic sympathetic inhibition induced by afferent renal nerves?. *Hypertension*, **2012**, 59, 467-76	8.5	31
89	The pH response of rat cutaneous nociceptors correlates with extracellular [Na+] and is increased under amiloride. *European Journal of Neuroscience*, **1999**, 11, 2783-92	3.5	31
88	Stimulated prostaglandin E2 release from rat skin, in vitro. *Life Sciences*, **1998**, 62, 2045-55	6.8	30
87	Modulation of CGRP and PGE2 release from isolated rat skin by alpha-adrenoceptors and kappa-opioid-receptors. *NeuroReport*, **2001**, 12, 2097-100	1.7	30
86	Inhibitory CB1 and activating/desensitizing TRPV1-mediated cannabinoid actions on CGRP release in rodent skin. *Neuropeptides*, **2011**, 45, 229-37	3.3	29
85	Mechanisms of potassium- and capsaicin-induced axonal calcitonin gene-related peptide release: involvement of L- and T-type calcium channels and TRPV1 but not sodium channels. *Neuroscience*, **2008**, 151, 836-42	3.9	29
84	Location of motoneurones projecting to the cat distal forelimb. II. Median and ulnar motornuclei. *Journal of Comparative Neurology*, **1986**, 244, 302-12	3.4	29
83	Dose-dependent competitive block by topical acetylsalicylic and salicylic acid of low pH-induced cutaneous pain. *Pain*, **1996**, 64, 71-82	8	28

82	Sensory receptors in a mammalian skin-nerve in vitro preparation. *Progress in Brain Research*, **1988**, 74, 271-6	2.9	28
81	Quaternary Lidocaine Derivative QX-314 Activates and Permeates Human TRPV1 and TRPA1 to Produce Inhibition of Sodium Channels and Cytotoxicity. *Anesthesiology*, **2016**, 124, 1153-65	4.3	28
80	TRPA1 and TRPV1 Antagonists Do Not Inhibit Human Acidosis-Induced Pain. *Journal of Pain*, **2017**, 18, 526-534	5.2	27
79	Effects of classical algogens. *Seminars in Neuroscience*, **1995**, 7, 221-226		27
78	Irritant volatile anesthetics induce neurogenic inflammation through TRPA1 and TRPV1 channels in the isolated mouse trachea. *Anesthesia and Analgesia*, **2015**, 120, 467-71	3.9	26
77	A new paradigm to understand and treat diabetic neuropathy. *Experimental and Clinical Endocrinology and Diabetes*, **2014**, 122, 201-7	2.3	26
76	Do distinct populations of dorsal root ganglion neurons account for the sensory peptidergic innervation of the kidney?. *American Journal of Physiology - Renal Physiology*, **2009**, 297, F1427-34	4.3	25
75	High concentrations of morphine sensitize and activate mouse dorsal root ganglia via TRPV1 and TRPA1 receptors. *Molecular Pain*, **2009**, 5, 17	3.4	25
74	Morphological characterization of rat Mas-related G-protein-coupled receptor C and functional analysis of agonists. *Neuroscience*, **2008**, 151, 242-54	3.9	24
73	Electrophysiological characterization of vagal afferents relevant to mucosal nociception in the rat upper oesophagus. *Journal of Physiology*, **2007**, 582, 229-42	3.9	24
72	Diltiazem blocks the PH-induced excitation of rat nociceptors together with their mechanical and electrical excitability in vitro. *Journal of Neurophysiology*, **1996**, 75, 1-10	3.2	24
71	Intracutaneous injections of platelets cause acute pain and protracted hyperalgesia. *Neuroscience Letters*, **1997**, 226, 171-4	3.3	23
70	Plasma levels after peroral and topical ibuprofen and effects upon low pH-induced cutaneous and muscle pain. *European Journal of Pain*, **2000**, 4, 195-209	3.7	23
69	An oral TRPV1 antagonist attenuates laser radiant-heat-evoked potentials and pain ratings from UV(B)-inflamed and normal skin. *British Journal of Clinical Pharmacology*, **2013**, 75, 404-14	3.8	22
68	Interactions of inflammatory mediators and low pH not influenced by capsazepine in rat cutaneous nociceptors. *NeuroReport*, **2000**, 11, 973-6	1.7	22
67	Location of median and ulnar motornuclei in the cat. *Neuroscience Letters*, **1982**, 30, 103-8	3.3	22
66	More sensory competence for nociceptive neurons in culture. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 14995-7	11.5	21
65	Crotalphine desensitizes TRPA1 ion channels to alleviate inflammatory hyperalgesia. *Pain*, **2016**, 157, 2504-2516	8	21

64	Functional and structural characterization of axonal opioid receptors as targets for analgesia. *Molecular Pain*, **2016**, 12,	3.4	20
63	Sodium Channel Na1.8 Underlies TTX-Resistant Axonal Action Potential Conduction in Somatosensory C-Fibers of Distal Cutaneous Nerves. *Journal of Neuroscience*, **2017**, 37, 5204-5214	6.6	18
62	The roles of TRPV1, TRPA1 and TRPM8 channels in chemical and thermal sensitivity of the mouse oral mucosa. *European Journal of Neuroscience*, **2018**, 47, 201-210	3.5	18
61	Responsiveness of C-fiber nociceptors to punctate force-controlled stimuli in isolated rat skin: lack of modulation by inflammatory mediators and flurbiprofen. *Neuroscience Letters*, **2004**, 361, 163-7	3.3	17
60	Effects of oxygen radicals on nociceptive afferents in the rat skin in vitro. *Pain*, **1995**, 62, 87-94	8	17
59	NaV1.7 and pain: contribution of peripheral nerves. *Pain*, **2018**, 159, 496-506	8	17
58	Why cooling is beneficial: non-linear temperature-dependency of stimulated iCGRP release from isolated rat skin. *Pain*, **2004**, 110, 215-9	8	16
57	Lactate is a potent inhibitor of the capsaicin receptor TRPV1. *Scientific Reports*, **2016**, 6, 36740	4.9	15
56	Bradykinin-induced nociceptor sensitisation to heat depends on cox-1 and cox-2 in isolated rat skin. *Pain*, **2007**, 130, 14-24	8	15
55	Reduced excitability and impaired nociception in peripheral unmyelinated fibers from Nav1.9-null mice. *Pain*, **2017**, 158, 58-67	8	14
54	TRPA1 and TRPV1 are required for lidocaine-evoked calcium influx and neuropeptide release but not cytotoxicity in mouse sensory neurons. *PLoS ONE*, **2017**, 12, e0188008	3.7	14
53	The tetrodotoxin-resistant Na+ channel Na (v)1.8 reduces the potency of local anesthetics in blocking C-fiber nociceptors. *Pflugers Archiv European Journal of Physiology*, **2010**, 459, 751-63	4.6	14
52	Interactions of histamine and bradykinin on polymodal C-fibres in isolated rat skin. *European Journal of Pain*, **2001**, 5, 97-106	3.7	14
51	Analgesic effect of acetylsalicylic acid (ASA) versus a lithium-ASA combination: an evoked potential study employing radiant heat stimulation with a CO2 laser. *Pharmacopsychiatry*, **1987**, 20, 217-21	2	14
50	Acid-induced CGRP release from the stomach does not depend on TRPV1 or ASIC3. *Neurogastroenterology and Motility*, **2010**, 22, 680-7	4	13
49	Methylene blue induces ongoing activity in rat cutaneous primary afferents and depolarization of DRG neurons via a photosensitive mechanism. *Naunyn-Schmiedebergs Archives of Pharmacology*, **1997**, 356, 619-25	3.4	13
48	The effects of excessive heat on heat-activated membrane currents in cultured dorsal root ganglia neurons from neonatal rat. *Pain*, **2002**, 95, 207-214	8	13
47	Pulmonary serotonin 5-HT3-sensitive afferent fibers modulate renal sympathetic nerve activity in rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **1997**, 272, H979-86	5.2	12

46	Inflammatory mediators do not stimulate CGRP release if prostaglandin synthesis is blocked by S(+)-flurbiprofen in isolated rat skin. *Inflammation Research*, **2003**, 52, 519-23	7.2	12
45	S+ -flurbiprofen but not 5-HT1 agonists suppress basal and stimulated CGRP and PGE2 release from isolated rat dura mater. *Pain*, **2003**, 103, 313-320	8	12
44	Denervation and NKI receptor block modulate stimulated CGRP and PGE2 release from rat skin. *NeuroReport*, **2000**, 11, 283-6	1.7	12
43	Formalin evokes calcium transients from the endoplasmatic reticulum. *PLoS ONE*, **2015**, 10, e0123762	3.7	12
42	Electrophysiological and neurochemical techniques to investigate sensory neurons in analgesia research. *Methods in Molecular Biology*, **2010**, 617, 237-59	1.4	12
41	Ciguatoxins Evoke Potent CGRP Release by Activation of Voltage-Gated Sodium Channel Subtypes Na1.9, Na1.7 and Na1.1. *Marine Drugs*, **2017**, 15,	6	11
40	Release of calcitonin gene-related peptide from the isolated mouse heart: methodological validation of a new model. *Neuropeptides*, **2006**, 40, 107-13	3.3	11
39	Complementary roles of murine Na1.7, Na1.8 and Na1.9 in acute itch signalling. *Scientific Reports*, **2020**, 10, 2326	4.9	11
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