H Richard Koerber

List of Publications by Year
in descending order

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24 papers	1,950 citations	394421 19 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	2023 citing authors

#	Article	IF	Citations
1	Mrgprd Cre lineage neurons mediate optogenetic allodynia through an emergent polysynaptic circuit. Pain, 2021, 162, 2120-2131.	4.2	28
2	Unique Molecular Characteristics of Visceral Afferents Arising from Different Levels of the Neuraxis: Location of Afferent Somata Predicts Function and Stimulus Detection Modalities. Journal of Neuroscience, 2020, 40, 7216-7228.	3.6	32
3	Distribution of functional opioid receptors in human dorsal root ganglion neurons. Pain, 2020, 161, 1636-1649.	4.2	37
4	Single-cell q-PCR derived expression profiles of identified sensory neurons. Molecular Pain, 2019, 15, 174480691988449.	2.1	26
5	Nicotine Evoked Currents in Human Primary Sensory Neurons. Journal of Pain, 2019, 20, 810-818.	1.4	23
6	Increased Expression of Transcription Factor SRY-box-Containing Gene 11 (Sox11) Enhances Neurite Growth by Regulating Neurotrophic Factor Responsiveness. Neuroscience, 2018, 382, 93-104.	2.3	16
7	Cutaneous TRPM8-expressing sensory afferents are a small population of neurons with unique firing properties. Physiological Reports, 2017, 5, e13234.	1.7	25
8	Keratinocytes can modulate and directly initiate nociceptive responses. ELife, 2015, 4, .	6.0	147
9	Comprehensive phenotyping of group III and IV muscle afferents in mouse. Journal of Neurophysiology, 2013, 109, 2374-2381.	1.8	111
10	The Functional Organization of Cutaneous Low-Threshold Mechanosensory Neurons. Cell, 2011, 147, 1615-1627.	28.9	602
11	Cutaneous C-polymodal Fibers Lacking TRPV1 are Sensitized to Heat following Inflammation, but Fail to Drive Heat Hyperalgesia in the Absence of TPV1 Containing C-heat Fibers. Molecular Pain, 2010, 6, 1744-8069-6-58.	2.1	37
12	Sensitization of Cutaneous Nociceptors after Nerve Transection and Regeneration: Possible Role of Target-Derived Neurotrophic Factor Signaling. Journal of Neuroscience, 2009, 29, 1636-1647.	3.6	73
13	Mrgprd Enhances Excitability in Specific Populations of Cutaneous Murine Polymodal Nociceptors. Journal of Neuroscience, 2009, 29, 8612-8619.	3.6	135
14	TRPV1 Unlike TRPV2 Is Restricted to a Subset of Mechanically Insensitive Cutaneous Nociceptors Responding to Heat. Journal of Pain, 2008, 9, 298-308.	1.4	139
15	Overexpression of neurotrophinâ€3 enhances the mechanical response properties of slowly adapting type 1 afferents and myelinated nociceptors. European Journal of Neuroscience, 2007, 26, 1801-1812.	2.6	56
16	Synaptic plasticity in the adult spinal dorsal horn: The appearance of new functional connections following peripheral nerve regeneration. Experimental Neurology, 2006, 200, 468-479.	4.1	18
17	Glial Cell Line-Derived Neurotrophic Factor Expression in Skin Alters the Mechanical Sensitivity of Cutaneous Nociceptors. Journal of Neuroscience, 2006, 26, 2981-2990.	3.6	111
18	Comprehensive phenotyping of sensory neurons using an ex vivo somatosensory system. Physiology and Behavior, 2002, 77, 589-594.	2.1	58

#	Article	IF	Citations
19	Excess target-derived neurotrophin-3 alters the segmental innervation of the skin. European Journal of Neuroscience, 2001, 14, 411-418.	2.6	9
20	Central anatomy of individual rapidly adapting low-threshold mechanoreceptors innervating the ?hairy? skin of newborn mice: Early maturation of hair follicle afferents. Journal of Comparative Neurology, 2001, 436, 304-323.	1.6	74
21	On the problem of lamination in the superficial dorsal horn of mammals: A reappraisal of the substantia gelatinosa in postnatal life. , 2000, 417, 88-102.		80
22	Maturation of Cutaneous Sensory Neurons From Normal and NGF-Overexpressing Mice. Journal of Neurophysiology, 2000, 83, 1722-1732.	1.8	24
23	Ultrastructural Analysis of Ectopic Synaptic Boutons Arising From Peripherally Regenerated Primary Afferent Fibers. Journal of Neurophysiology, 1999, 81, 1636-1644.	1.8	36
24	Prenatal development of rat primary afferent fibers: I. Peripheral projection. Journal of Comparative Neurology, 1995, 355, 589-600.	1.6	48