Kieran A Boyle

List of Publications by Year
in descending order

19	1,338	687363 13	794594 19
papers	citations	h-index	g-index

20	20	20	1546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Grpr expression defines a population of superficial dorsal horn vertical cells that have a role in both itch and pain. Pain, 2023, 164, 149-170.	4.2	15
2	Diversity of inhibitory and excitatory parvalbumin interneuron circuits in the dorsal horn. Pain, 2022, 163, e432-e452.	4.2	22
3	Sodium-calcium exchanger-3 regulates pain â€œwind-upâ€: From human psychophysics to spinal mechanisms. Neuron, 2022, 110, 2571-2587.e13.	8.1	7
4	Characterisation of lamina I anterolateral system neurons that express Cre in a Phox2a-Cre mouse line. Scientific Reports, 2021, 11, 17912.	3.3	11
5	Wnt Signaling Through Nitric Oxide Synthase Promotes the Formation of Multi-Innervated Spines. Frontiers in Synaptic Neuroscience, 2020, 12, 575863.	2.5	7
6	Functional and Molecular Analysis of Proprioceptive Sensory Neuron Excitability in Mice. Frontiers in Molecular Neuroscience, 2020, 13, 36.	2.9	7
7	Functional Populations Among Interneurons in the Dorsal Horn. , 2020, , 207-219.		0
8	Defining a Spinal Microcircuit that Gates Myelinated Afferent Input: Implications for Tactile Allodynia. Cell Reports, 2019, 28, 526-540.e6.	6.4	91
9	Calretinin positive neurons form an excitatory amplifier network in the spinal cord dorsal horn. ELife, 2019, 8, .	6.0	43
10	Circuit dissection of the role of somatostatin in itch and pain. Nature Neuroscience, 2018, 21, 707-716.	14.8	195
11	The Cellular and Synaptic Architecture of the Mechanosensory Dorsal Horn. Cell, 2017, 168, 295-310.e19.	28.9	306
12	Preprotachykinin A is expressed by a distinct population of excitatory neurons in the mouse superficial spinal dorsal horn including cells that respond to noxious and pruritic stimuli. Pain, 2017, 158, 440-456.	4.2	58
13	Anatomical and Molecular Properties of Long Descending Propriospinal Neurons in Mice. Frontiers in Neuroanatomy, 2017, 11, 5.	1.7	41
14	A quantitative study of neurochemically defined populations of inhibitory interneurons in the superficial dorsal horn of the mouse spinal cord. Neuroscience, 2017, 363, 120-133.	2.3	68
15	Wnt signalling tunes neurotransmitter release by directly targeting Synaptotagmin-1. Nature Communications, 2015, 6, 8302.	12.8	44
16	Inhibitory Interneurons That Express GFP in thePrP-GFPMouse Spinal Cord Are Morphologically Heterogeneous, Innervated by Several Classes of Primary Afferent and Include Lamina I Projection Neurons among Their Postsynaptic Targets. Journal of Neuroscience, 2015, 35, 7626-7642.	3.6	33
17	HCN4 subunit expression in fast-spiking interneurons of the rat spinal cord and hippocampus. Neuroscience, 2013, 237, 7-18.	2.3	53
18	Morphological, neurochemical and electrophysiological features of parvalbuminâ€expressing cells: a likely source of axoâ€axonic inputs in the mouse spinal dorsal horn. Journal of Physiology, 2012, 590, 3927-3951.	2.9	132

#	Article	IF	Citations
19	Wnt7a signaling promotes dendritic spine growth and synaptic strength through Ca ²⁺ /Calmodulin-dependent protein kinase II. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10732-10737.	7.1	197