Ian D Hentall

List of Publications by Year
in descending order

50	1,260	430874	377865
papers	citations	18 h-index	34 g-index

50	50	50	1153
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence that disinhibition of brain stem neurones contributes to morphine analgesia. Nature, 1983, 306, 684-686.	27.8	241
2	Naloxone-reversible analgesia produced by microstimulation in the rat medulla. Brain Research, 1981, 219, 137-148.	2.2	148
3	Electrical Activity Suppresses Axon Growth through Cav1.2 Channels in Adult Primary Sensory Neurons. Current Biology, 2010, 20, 1154-1164.	3.9	87
4	Spatial and temporal patterns of serotonin release in the ratâ€™s lumbar spinal cord following electrical stimulation of the nucleus raphe magnus. Neuroscience, 2006, 142, 893-903.	2.3	50
5	Analgesic effects of dietary caloric restriction in adult mice. Pain, 2005, 114, 455-461.	4.2	47
6	Intraspinal transplantation of GABAergic neural progenitors attenuates neuropathic pain in rats: A pharmacologic and neurophysiological evaluation. Experimental Neurology, 2012, 234, 39-49.	4.1	43
7	Surgical Neurostimulation for Spinal Cord Injury. Brain Sciences, 2017, 7, 18.	2.3	41
8	Temporal and Spatial Profiles of Pontine-Evoked Monoamine Release in the Rat's Spinal Cord. Journal of Neurophysiology, 2003, 89, 2943-2951.	1.8	40
9	Monoamine Release in the Cat Lumbar Spinal Cord during Fictive Locomotion Evoked by the Mesencephalic Locomotor Region. Frontiers in Neural Circuits, 2017, 11, 59.	2.8	33
10	Midbrain Raphe Stimulation Improves Behavioral and Anatomical Recovery from Fluid-Percussion Brain Injury. Journal of Neurotrauma, 2013, 30, 119-130.	3.4	31
11	Consequences of zygote injection and germline transfer of mutant human mitochondrial DNA in mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5689-98.	7.1	31
12	Actions of opiates, substance P, and serotonin on the excitability of primary afferent terminals and observations on interneuronal activity in the neonatal rat's dorsal horn in vitro. Neuroscience, 1983, 9, 521-528.	2.3	28
13	Serotonergic, cholinergic and nociceptive inhibition or excitation of raphe magnus neurons in barbiturate-anesthetized rats. Neuroscience, 1993, 52, 303-310.	2.3	28
14	Promotion of Recovery From Thoracic Spinal Cord Contusion in Rats by Stimulation of Medullary Raphe or Its Midbrain Input. Neurorehabilitation and Neural Repair, 2012, 26, 374-384.	2.9	26
15	A novel class of unit in the substantia gelatinosa of the spinal cat. Experimental Neurology, 1977, 57, 792-806.	4.1	25
16	Steady-State Levels of Monoamines in the Rat Lumbar Spinal Cord: Spatial Mapping and the Effect of Acute Spinal Cord Injury. Journal of Neurophysiology, 2004, 92, 567-577.	1.8	20
17	Chapter 26 The alleviation of pain by cell transplantation. Progress in Brain Research, 2000, 127, 535-550.	1.4	19
18	The interpeduncular nucleus regulates nicotineÊ¼s effects on free-field activity. NeuroReport, 1995, 6, 2469-2472.	1.2	18

#	Article	IF	Citations
19	Spinal Allografts of Adrenal Medulla Block Nociceptive Facilitation in the Dorsal Horn. Journal of Neurophysiology, 2001, 85, 1788-1792.	1.8	18
20	Title is missing!. Journal of Rehabilitation Research and Development, 2009, 46, 109.	1.6	17
21	A long-lasting wireless stimulator for small mammals. Frontiers in Neuroengineering, 2013, 6, 8.	4.8	16
22	Deep Brain Stimulation Improves the Symptoms and Sensory Signs of Persistent Central Neuropathic Pain from Spinal Cord Injury: A Case Report. Frontiers in Human Neuroscience, 2017, 11, 177.	2.0	14
23	Restorative effects of stimulating medullary raphe after spinal cord injury. Journal of Rehabilitation Research and Development, 2009, 46, 109-22.	1.6	14
24	Serotonin Concentrations in the Lumbosacral Spinal Cord of the Adult Rat Following Microinjection or Dorsal Surface Application. Journal of Neurophysiology, 2007, 98, 1440-1450.	1.8	13
25	A theoretical analysis of extracellular punctate stimulation around dendrites. Neuroscience, 1989, 33, 11-22.	2.3	12
26	The interpeduncular nucleus excites the on-cells and inhibits the off-cells of the nucleus raphe magnus. Brain Research, 1990, 522, 322-324.	2.2	12
27	Correlations between serotonin level and single-cell firing in the rat's nucleus raphe magnus. Neuroscience, 1999, 95, 1081-1088.	2.3	12
28	Spinal CSF from rats with painful peripheral neuropathy evokes catecholamine release from chromaffin cells in vitro. Neuroscience Letters, 2000, 286, 95-98.	2.1	12
29	Spatial and temporal variation of microstimulation thresholds for inhibiting the tail-flick reflex from the rat's rostral medial medulla. Brain Research, 1991, 548, 156-162.	2.2	11
30	Acetylcholine release from the midbrain interpeduncular nucleus during anesthesia. NeuroReport, 1991, 2, 789-792.	1.2	11
31	Interactions between brainstem and trigeminal neurons detected by cross-spectral analysis. Neuroscience, 2000, 96, 601-610.	2.3	11
32	Inhibition by the chromaffin cell-derived peptide serine-histogranin in the rat's dorsal horn. Neuroscience Letters, 2007, 419, 88-92.	2.1	11
33	Prolonged stimulation of a brainstem raphe region attenuates experimental autoimmune encephalomyelitis. Neuroscience, 2017, 346, 395-402.	2.3	11
34	Hindbrain raphe stimulation boosts cyclic adenosine monophosphate and signaling proteins in the injured spinal cord. Brain Research, 2014, 1543, 165-172.	2.2	10
35	The midbrain central gray best suppresses chronic pain with electrical stimulation at very low pulse rates in two human cases. Brain Research, 2016, 1632, 119-126.	2.2	10
36	Potentiation of transmission from C-fibers to dorsal horn neurons after tetanus of peripheral nerve. Brain Research, 1980, 189, 540-543.	2.2	9

#	Article	IF	Citations
37	The membrane potential along an ideal axon in a radial electric field. Brain Research, 1985, 336, 387-389.	2.2	8
38	Practical modelling of monopolar axonal stimulation. Journal of Neuroscience Methods, 1987, 22, 65-72.	2.5	8
39	Responses of neurons in the ventromedial midbrain to noxious mechanical stimuli. Neuroscience Letters, 1991, 133, 215-218.	2.1	8
40	Coincident recording and stimulation of single and multiple neuronal activity with one extracellular microelectrode. Journal of Neuroscience Methods, 1991, 40, 181-191.	2.5	8
41	How two sites in the rat's nucleus raphe magnus interact to inhibit the tail-flick reflex. Neuroscience Letters, 1988, 90, 141-146.	2.1	7
42	Nicotinic activity in the interpeduncular nucleus of the midbrain prolongs recovery from halothane anesthesia. Neuropharmacology, 1992, 31, 1299-1304.	4.1	7
43	Excitation of cells in the rostral medial medulla of the rat by the nitric oxidecyclic guanosine monophosphate messenger system. Neuroscience Letters, 1995, 195, 155-158.	2.1	7
44	Fluorescent reporters of monoamine transporter distribution and function. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 7387-7391.	2.2	6
45	Cellular Changes in Injured Rat Spinal Cord Following Electrical Brainstem Stimulation. Brain Sciences, 2019, 9, 124.	2.3	5
46	Evidence for rhythmic firing being caused by feedback inhibition in pinch-inhibited raphe magnus neurons. Brain Research, 1997, 745, 348-351.	2.2	4
47	Some Autonomic Deficits of Acute or Chronic Cervical Spinal Contusion Reversed by Interim Brainstem Stimulation. Journal of Neurotrauma, 2018, 35, 560-572.	3.4	4
48	Brainstem-Evoked Transcription of Defensive Genes After Spinal Cord Injury. Frontiers in Cellular Neuroscience, 2019, 13, 510.	3.7	4
49	Observations on field potentials at their point of generation. Journal of Neuroscience Methods, 1994, 55, 23-29.	2.5	2
50	Detection of abnormal cerebral excitability by coincident stimulation and recording. Clinical Neurophysiology, 2004, 115, 2502-2510.	1.5	2