

Ken-ichiro Hayashida

List of Publications by Year in descending order

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30
papers

1,085
citations

430874

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times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Gabapentin Activates Spinal Noradrenergic Activity in Rats and Humans and Reduces Hypersensitivity after Surgery. <i>Anesthesiology</i> , 2007, 106, 557-562.	2.5	143
2	Gabapentin Acts within the Locus Coeruleus to Alleviate Neuropathic Pain. <i>Anesthesiology</i> , 2008, 109, 1077-1084.	2.5	143
3	Brain derived nerve growth factor induces spinal noradrenergic fiber sprouting and enhances clonidine analgesia following nerve injury in rats. <i>Pain</i> , 2008, 136, 348-355.	4.2	80
4	Spinal astrocytes in superficial laminae gate brainstem descending control of mechanosensory hypersensitivity. <i>Nature Neuroscience</i> , 2020, 23, 1376-1387.	14.8	80
5	Oral Gabapentin Activates Spinal Cholinergic Circuits to Reduce Hypersensitivity after Peripheral Nerve Injury and Interacts Synergistically with Oral Donepezil. <i>Anesthesiology</i> , 2007, 106, 1213-1219.	2.5	63
6	Gabapentin Inhibits $\hat{1}^3$ -Amino Butyric Acid Release in the Locus Coeruleus but Not in the Spinal Dorsal Horn after Peripheral Nerve Injury in Rats. <i>Anesthesiology</i> , 2012, 116, 1347-1353.	2.5	55
7	Spinal $\hat{1}^2$ -Adrenoceptor-mediated Analgesia in Neuropathic Pain Reflects Brain-derived Nerve Growth Factor and Changes in Spinal Cholinergic Neuronal Function. <i>Anesthesiology</i> , 2010, 113, 406-412.	2.5	48
8	Gabapentin increases extracellular glutamatergic level in the locus coeruleus via astroglial glutamate transporter-dependent mechanisms. <i>Neuropharmacology</i> , 2014, 81, 95-100.	4.1	46
9	Strategies to Treat Chronic Pain and Strengthen Impaired Descending Noradrenergic Inhibitory System. <i>International Journal of Molecular Sciences</i> , 2019, 20, 822.	4.1	45
10	Individual Differences in Acute Pain-induced Endogenous Analgesia Predict Time to Resolution of Postoperative Pain in the Rat. <i>Anesthesiology</i> , 2015, 122, 895-907.	2.5	41
11	Impaired Pain-evoked Analgesia after Nerve Injury in Rats Reflects Altered Glutamate Regulation in the Locus Coeruleus. <i>Anesthesiology</i> , 2015, 123, 899-908.	2.5	39
12	Multiplicative interactions to enhance gabapentin to treat neuropathic pain. <i>European Journal of Pharmacology</i> , 2008, 598, 21-26.	3.5	35
13	Peripheral nerve injury and gabapentin, but not their combination, impair attentional behavior via direct effects on noradrenergic signaling in the brain. <i>Pain</i> , 2014, 155, 1935-1942.	4.2	35
14	Gabapentin loses efficacy over time after nerve injury in rats: role of glutamate transporter-1 in the locus coeruleus. <i>Pain</i> , 2016, 157, 2024-2032.	4.2	34
15	Nerve injury induces a new profile of tactile and mechanical nociceptor input from undamaged peripheral afferents. <i>Journal of Neurophysiology</i> , 2015, 113, 100-109.	1.8	28
16	Ondansetron Reverses Antihypersensitivity from Clonidine in Rats after Peripheral Nerve Injury. <i>Anesthesiology</i> , 2012, 117, 389-398.	2.5	23
17	Depletion of Endogenous Noradrenaline Does Not Prevent Spinal Cord Plasticity Following Peripheral Nerve Injury. <i>Journal of Pain</i> , 2012, 13, 49-57.	1.4	21
18	Activation of glutamate transporters in the locus coeruleus paradoxically activates descending inhibition in rats. <i>Brain Research</i> , 2010, 1317, 80-86.	2.2	19

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19	Disruption of Spinal Noradrenergic Activation Delays Recovery of Acute Incision-Induced Hypersensitivity and Increases Spinal Glial Activation in the Rat. <i>Journal of Pain</i> , 2016, 17, 190-202.	1.4	18
20	Descending Noradrenergic Inhibition: An Important Mechanism of Gabapentin Analgesia in Neuropathic Pain. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1099, 93-100.	1.6	16
21	Antinociception induced by a novel α 2A adrenergic receptor agonist in rodents acute and chronic pain models. <i>European Journal of Pharmacology</i> , 2017, 815, 210-218.	3.5	15
22	Psychosocial Stress Delays Recovery of Postoperative Pain Following Incisional Surgery in the Rat. <i>Neuroscience</i> , 2018, 382, 35-47.	2.3	15
23	A Tropomyosine Receptor Kinase Inhibitor Blocks Spinal Neuroplasticity Essential for the Anti-Hypersensitivity Effects of Gabapentin and Clonidine in Rats With Peripheral Nerve Injury. <i>Journal of Pain</i> , 2011, 12, 94-100.	1.4	12
24	Down-regulation of astroglial glutamate transporter-1 in the locus coeruleus impairs pain-evoked endogenous analgesia in rats. <i>Neuroscience Letters</i> , 2015, 608, 18-22.	2.1	11
25	Novel agonist of α 4 β 2 neuronal nicotinic receptor with antinociceptive efficacy in rodent models of acute and chronic pain. <i>Journal of Pain Research</i> , 2018, Volume 11, 2453-2462.	2.0	7
26	Substance P-Saporin for Bone Cancer Pain in Dogs. <i>Anesthesiology</i> , 2013, 119, 999-1000.	2.5	6
27	Peripheral nerve injury in rats induces alternations in choice behavior associated with food reinforcement. <i>Journal of Physiological Sciences</i> , 2019, 69, 769-777.	2.1	4
28	Blockade of α 2-adrenergic or metabotropic glutamate receptors induces glutamate release in the locus coeruleus to activate descending inhibition in rats with chronic neuropathic hypersensitivity. <i>Neuroscience Letters</i> , 2018, 676, 41-45.	2.1	3
29	Supraspinal Actions of N/OFQ, Morphine and Substance P in Regulating Pain and Itch in Nonhuman Primates. <i>FASEB Journal</i> , 2015, 29, 929.5.	0.5	0
30	Recruitment of Descending Noradrenergic Inhibition as a Key Strategy to Treat Neuropathic Pain. <i>The Journal of Japan Society for Clinical Anesthesia</i> , 2020, 40, 233-237.	0.0	0