Marshall Devor

List of Publications by Year
in descending order

63	6,123	172457	123424
papers	citations	29 h-index	61 g-index

89	89	89	5161
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A putative flipâ€“flop switch for control of REM sleep. Nature, 2006, 441, 589-594.	27.8	1,086
2	Peripheral nerve injury triggers noradrenergic sprouting within dorsal root ganglia. Nature, 1993, 363, 543-546.	27.8	753
3	Systemic lidocaine silences ectopic neuroma and DRG discharge without blocking nerve conduction. Pain, 1992, 48, 261-268.	4.2	421
4	Injured sensory neuronâ€“derived CSF1 induces microglial proliferation and DAP12-dependent pain. Nature Neuroscience, 2016, 19, 94-101.	14.8	421
5	Pathophysiology of Trigeminal Neuralgia: The Ignition Hypothesis. Clinical Journal of Pain, 2002, 18, 4-13.	1.9	402
6	Ectopic discharge in AÎ² afferents as a source of neuropathic pain. Experimental Brain Research, 2009, 196, 115-128.	1.5	325
7	Sodium Channels and Mechanisms of Neuropathic Pain. Journal of Pain, 2006, 7, S3-S12.	1.4	299
8	Corticosteroids suppress ectopic neural discharge originating in experimental neuromas. Pain, 1985, 22, 127-137.	4.2	294
9	Mechanism of trigeminal neuralgia: an ultrastructural analysis of trigeminal root specimens obtained during microvascular decompression surgery. Journal of Neurosurgery, 2002, 96, 532-543.	1.6	227
10	Unexplained peculiarities of the dorsal root ganglion. Pain, 1999, 82, S27-S35.	4.2	216
11	Proliferation of Primary Sensory Neurons in Adult Rat Dorsal Root Ganglion and the Kinetics of Retrograde Cell Loss after Sciatic Nerve Section. Somatosensory & Motor Research, 1985, 3, 139-167.	2.2	203
12	The serine protease inhibitor SerpinA3N attenuates neuropathic pain by inhibiting T cellâ€“derived leukocyte elastase. Nature Medicine, 2015, 21, 518-523.	30.7	182
13	Reversible analgesia, atonia, and loss of consciousness on bilateral intracerebral microinjection of pentobarbital. Pain, 2001, 94, 101-112.	4.2	146
14	Susceptibility to chronic pain following nerve injury is genetically affected by CACNG2. Genome Research, 2010, 20, 1180-1190.	5.5	128
15	Axoplasmic transport block reduces ectopic impulse generation in injured peripheral nerves. Pain, 1983, 16, 73-85.	4.2	103
16	Genotype-selective phenotypic switch in primary afferent neurons contributes to neuropathic pain. Pain, 2011, 152, 2413-2426.	4.2	61
17	The nicotinic Î±6 subunit gene determines variability in chronic pain sensitivity via cross-inhibition of P2X2/3 receptors. Science Translational Medicine, 2015, 7, 287ra72.	12.4	59
18	Location of the Mesopontine Neurons Responsible for Maintenance of Anesthetic Loss of Consciousness. Journal of Neuroscience, 2017, 37, 9320-9331.	3.6	49

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19	Rethinking the causes of pain in herpes zoster and postherpetic neuralgia: the ectopic pacemaker hypothesis. Pain Reports, 2018, 3, e702.	2.7	46
20	Cerebral Activity during the Anesthesia-Like State Induced by Mesopontine Microinjection of Pentobarbital. Journal of Neuroscience, 2009, 29, 7053-7064.	3.6	42
21	Sources of Individual Variability: Mirnas That Predispose to Neuropathic Pain Identified Using Genome-Wide Sequencing. Molecular Pain, 2014, 10, 1744-8069-10-22.	2.1	41
22	Correlational Analysis for Identifying Genes whose Regulation Contributes to Chronic Neuropathic Pain. Molecular Pain, 2009, 5, 1744-8069-5-7.	2.1	40
23	Movement suppression during anesthesia: Neural projections from the mesopontine tegmentum to areas involved in motor control. Journal of Comparative Neurology, 2005, 489, 425-448.	1.6	37
24	Neurogenesis in Adult Rat Dorsal Root Ganglia: On Counting and the Count. Somatosensory & Motor Research, 1991, 8, 9-12.	0.9	36
25	Dynamic genotype-selective â€œphenotypic switchingâ€•of CGRP expression contributes to differential neuropathic pain phenotype. Experimental Neurology, 2013, 250, 194-204.	4.1	35
26	Brainstem node for loss of consciousness due to GABAA receptor-active anesthetics. Experimental Neurology, 2016, 275, 38-45.	4.1	33
27	pain1: A neuropathic pain QTL on mouse chromosome 15 in a C3HÃ—C58 backcross. Pain, 2005, 116, 289-293.	4.2	31
28	Sensory basis of autotomy in rats. Pain, 1991, 45, 109-110.	4.2	30
29	Trigeminal Neuralgia During Sleep. Pain Practice, 2008, 8, 263-268.	1.9	30
30	Sexâ€specific variability and a â€˜cage effectâ€™ independently mask a neuropathic pain quantitative trait locus detected in a whole genome scan. European Journal of Neuroscience, 2007, 26, 681-688.	2.6	29
31	Heritability of symptoms in the neuroma model of neuropathic pain: Replication and complementation analysis. Pain, 2005, 116, 294-301.	4.2	22
32	CACNG2 polymorphisms associate with chronic pain after mastectomy. Pain, 2019, 160, 561-568.	4.2	22
33	Bulbospinal neurons of the rat rostromedial medulla are highly collateralized. Journal of Comparative Neurology, 2008, 506, 960-978.	1.6	20
34	Mesopontine Switch for the Induction of General Anesthesia by Dedicated Neural Pathways. Anesthesia and Analgesia, 2016, 123, 1274-1285.	2.2	19
35	Model of anaesthetic induction by unilateral intracerebral microinjection of <scp>GABA</scp>ergic agonists. European Journal of Neuroscience, 2016, 43, 846-858.	2.6	17
36	pain2: A neuropathic pain QTL identified on rat chromosome 2. Pain, 2008, 135, 92-97.	4.2	16

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37	Reduced Sensitivity to Anesthetic Agents upon Lesioning the Mesopontine Tegmental Anesthesia Area in Rats Depends on Anesthetic Type. Anesthesiology, 2020, 132, 535-550.	2.5	16
38	Abnormal Impulse Discharge in Primary Afferent Axons Injured in the Peripheral versus the Central Nervous System. Somatosensory & Motor Research, 1988, 6, 63-77.	0.9	15
39	Cranial root injury in glossopharyngeal neuralgia: electron microscopic observations. Journal of Neurosurgery, 2002, 96, 603-606.	1.6	15
40	Patterns of neural activity in the mouse brain: Wakefulness vs. General anesthesia. Neuroscience Letters, 2020, 735, 135212.	2.1	14
41	Enhanced wakefulness following lesions of a mesopontine locus essential for the induction of general anesthesia. Behavioural Brain Research, 2018, 341, 198-211.	2.2	13
42	sec -Butylpropylacetamide (SPD), a new amide derivative of valproic acid for the treatment of neuropathic and inflammatory pain. Pharmacological Research, 2017, 117, 129-139.	7.1	11
43	Unity vs. diversity of neuropathic pain mechanisms: Allodynia and hyperalgesia in rats selected for heritable predisposition to spontaneous pain. Pain, 2009, 146, 148-157.	4.2	10
44	Dye coupling does not explain functional crosstalk within dorsal root ganglia. Journal of the Peripheral Nervous System, 2001, 6, 227-231.	3.1	9
45	Transient loss of consciousness during hypercapnia and hypoxia: Involvement of pathways associated with general anesthesia. Experimental Neurology, 2016, 284, 67-78.	4.1	9
46	â€œShooting painâ€•in lumbar radiculopathy and trigeminal neuralgia, and ideas concerning its neural substrates. Pain, 2020, 161, 308-318.	4.2	9
47	Nerve resection for the treatment of chronic neuropathic pain. Pain, 2014, 155, 1053-1054.	4.2	8
48	Does the Golem Feel Pain? Moral Instincts and Ethical Dilemmas Concerning Suffering and the Brain. Pain Practice, 2015, 15, 497-508.	1.9	8
49	Variability, pain genes and the pain practitioner. Pain Management, 2013, 3, 1-3.	1.5	7
50	PNS origin of phantom limb sensation and pain: Reply to Letter to the Editor regarding Foell et al., Peripheral origin of phantom limb pain: Is it all resolved?. Pain, 2014, 155, 2207-2208.	4.2	7
51	Paradoxical anesthesia: Sleep-like EEG during anesthesia induced by mesopontine microinjection of GABAergic agents. Experimental Neurology, 2021, 343, 113760.	4.1	7
52	Pain, cortex, and consciousness. Behavioral and Brain Sciences, 2007, 30, 89-90.	0.7	6
53	Nociception in Kyoto. Pain, 2008, 140, 519-520.	4.2	6
54	Mesopontine Neurons Implicated in Anesthetic Loss-of-consciousness have Either Ascending or Descending Axonal Projections, but Not Both. Neuroscience, 2018, 369, 152-167.	2.3	6

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55	Anesthesia in mice activates discrete populations of neurons throughout the brain. Journal of Neuroscience Research, 2021, 99, 3284-3305.	2.9	5
56	Individual Mesopontine Neurons Implicated in Anesthetic Loss-of-consciousness Employ Separate Ascending Pathways to the Cerebral Cortex. Neuroscience, 2020, 432, 188-204.	2.3	4
57	Might pain be experienced in the brainstem rather than in the cerebral cortex?. Behavioural Brain Research, 2022, 427, 113861.	2.2	4
58	Central versus peripheral substrates of persistent pain: Which contributes more?. Behavioral and Brain Sciences, 1997, 20, 446-446.	0.7	3
59	Pain Is Perception-Calibrating Qualia. Journal of Neuropathic Pain & Symptom Palliation, 2005, 1, 17-18.	0.1	1
60	A nodal point for brain-state transitions: the mesopontine tegmental anesthesia area (MPTA) in mice. Experimental Brain Research, 2021, 239, 3255-3266.	1.5	1
61	Anesthetic loss of consciousness induced by chemogenetic excitation of mesopontine effector neurons.. Experimental Neurology, 2022, 357, 114169.	4.1	1
62	Nerves, Pain, and Consciousness. Frontiers for Young Minds, 0, 10, .	0.8	0
63	Searching in the wrong place: Might consciousness reside in the brainstem?. Behavioral and Brain Sciences, 2022, 45, e46.	0.7	0