Karen A Mesce

List of Publications by Year
in descending order

37 papers	1,141 citations	430874 18 h-index	414414 32 g-index
39 all docs	39 docs citations	39 times ranked	865 citing authors

#	Article	IF	Citations
1	The Inhibitory Thermal Effects of Focused Ultrasound on an Identified, Single Motoneuron. ENeuro, 2021, 8, ENEURO.0514-20.2021.	1.9	10
2	Tyrosine hydroxylase immunolabeling reveals the distribution of catecholaminergic neurons in the central nervous systems of the spiders Hogna lenta (Araneae: Lycosidae) and Phidippus regius (Araneae: Salticidae). Journal of Comparative Neurology, 2020, 528, 211-230.	1.6	2
3	Small steps and larger strides in understanding the neural bases of crawling in the medicinal leech. , 2020, , 31-55.		1
4	Focused Ultrasound Neuromodulation and the Confounds of Intracellular Electrophysiological Investigation. ENeuro, 2020, 7, ENEURO.0213-20.2020.	1.9	14
5	The stomatogastric nervous system of the medicinal leech: its anatomy, physiology and associated aminergic neurons. Journal of Experimental Biology, 2018, 221, .	1.7	4
6	An annotated CNS transcriptome of the medicinal leech, Hirudo verbana: De novo sequencing to characterize genes associated with nervous system activity. PLoS ONE, 2018, 13, e0201206.	2.5	15
7	Functional Recovery of a Locomotor Network after Injury: Plasticity beyond the Central Nervous System. ENeuro, 2018, 5, ENEURO.0195-18.2018.	1.9	10
8	A Tyrosine-Hydroxylase Characterization of Dopaminergic Neurons in the Honey Bee Brain. Frontiers in Systems Neuroscience, 2017, 11, 47.	2.5	31
9	Compensatory plasticity restores locomotion after chronic removal of descending projections. Journal of Neurophysiology, 2015, 113, 3610-3622.	1.8	12
10	Morphology, ultrastructure and functional role of antennal sensilla in off-host aggregation by the bed bug, Cimex lectularius. Arthropod Structure and Development, 2014, 43, 117-122.	1.4	15
11	Necessary, Sufficient and Permissive: A Single Locomotor Command Neuron Important for Intersegmental Coordination. Journal of Neuroscience, 2012, 32, 17646-17657.	3.6	29
12	Dopamine Signaling in the Bee. , 2012, , 199-209.		13
13	Shared strategies for behavioral switching: understanding how locomotor patterns are turned on and off. Frontiers in Behavioral Neuroscience, 2010, 4, .	2.0	22
14	Keeping It Together: Mechanisms of Intersegmental Coordination for a Flexible Locomotor Behavior. Journal of Neuroscience, 2010, 30, 2373-2383.	3.6	34
15	Odorants that Induce Hygienic Behavior in Honeybees: Identification of Volatile Compounds in Chalkbrood-Infected Honeybee Larvae. Journal of Chemical Ecology, 2009, 35, 1108-1116.	1.8	117
16	Cellular substrates of action selection: a cluster of higher-order descending neurons shapes body posture and locomotion. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 469-481.	1.6	21
17	Hormoneâ€dependent expression of fasciclin II during ganglionic migration and fusion in the ventral nerve cord of the moth Manduca sexta. Journal of Comparative Neurology, 2008, 509, 319-339.	1.6	2
18	Dopamine Activates the Motor Pattern for Crawling in the Medicinal Leech. Journal of Neuroscience, 2008, 28, 4192-4200.	3.6	69

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19	Beyond the central pattern generator: amine modulation of decision-making neural pathways descending from the brain of the medicinal leech. Journal of Experimental Biology, 2006, 209, 1746-1756.	1.7	35
20	â€œNeuroethoendocrinologyâ€: Integration of field and laboratory studies in insect neuroendocrinology. Hormones and Behavior, 2005, 48, 352-359.	2.1	12
21	A cephalic projection neuron involved in locomotion is dye coupled to the dopaminergic neural network in the medicinal leech. Journal of Experimental Biology, 2004, 207, 4535-4542.	1.7	32
22	Hygienic behavior in the honey bee (Apis mellifera L.) and the modulatory role of octopamine. Journal of Neurobiology, 2003, 55, 341-354.	3.6	135
23	Metamodulation of the Biogenic Amines: Second-Order Modulation by Steroid Hormones and Amine Cocktails. Brain, Behavior and Evolution, 2002, 60, 339-349.	1.7	43
24	Evidence for Sequential Decision Making in the Medicinal Leech. Journal of Neuroscience, 2002, 22, 11045-11054.	3.6	98
25	Distribution and development of dopamine- and octopamine-synthesizing neurons in the medicinal leech. Journal of Comparative Neurology, 2002, 442, 115-129.	1.6	29
26	Integration of Endocrine Signals That Regulate Insect Ecdysis. Frontiers in Neuroendocrinology, 2002, 23, 179-199.	5.2	63
27	Dopamine-synthesizing neurons include the putative H-cell homologue in the mothManduca sexta. Journal of Comparative Neurology, 2001, 430, 501-517.	1.6	18
28	Steroid regulation of octopamine expression during metamorphic development of the mothManduca sexta. Journal of Comparative Neurology, 2000, 424, 283-296.	1.6	30
29	Programmed cell death of an identified motoneuron examinedin vivo: Electrophysiological and morphological correlates. , 1999, 39, 307-322.		9
30	Programmed cell death of identified peptidergic neurons involved in ecdysis behavior in the moth,Manduca sexta. , 1998, 37, 265-280.		36
31	Novel mouse IgG-like immunoreactivity expressed by neurons in the mothManduca sexta: Developmental regulation and colocalization with crustacean cardioactive peptide. Microscopy Research and Technique, 1996, 35, 242-264.	2.2	15
32	A motoneuron spared from steroid-activated developmental death by removal of descending neural inputs exhibits stable electrophysiological properties and morphology. Journal of Neurobiology, 1995, 26, 511-522.	3.6	5
33	Distribution and developmental expression of octopamine-immunoreactive neurons in the central nervous system of the leech. Journal of Comparative Neurology, 1995, 353, 451-463.	1.6	29
34	Reorganization of the ventral nerve cord in the moth Manduca sexta (L.) (Lepidoptera : Sphingidae). Arthropod Structure and Development, 1994, 23, 21-37.	0.4	16
35	Improvements for the anatomical characterization of insect neurons in whole mount: the use of cyanine-derived fluorophores and laser scanning confocal microscopy. Cell and Tissue Research, 1993, 271, 381-397.	2.9	60
36	A Light Insensitive Method for Contrast Enhancement of Insect Neurons Filled with a Cobalt-Lysine Complex. Biotechnic and Histochemistry, 1993, 68, 222-228.	1.3	20

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37	Metamorphosis of the ecdysis motor pattern in the hawkmoth,Manduca sexta. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1988, 163, 287-299.	1.6	35