Ari Berkowitz

List of Publications by Year
in descending order

35	795	516710 16	501196 28
papers	citations	h-index	g-index

40	40	40	443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roles for multifunctional and specialized spinal interneurons during motor pattern generation in tadpoles, zebrafish larvae, and turtles. Frontiers in Behavioral Neuroscience, 2010, 4, 36.	2.0	80
2	Physiology and Morphology of Shared and Specialized Spinal Interneurons for Locomotion and Scratching. Journal of Neurophysiology, 2008, 99, 2887-2901.	1.8	65
3	Central Generation of Grooming Motor Patterns and Interlimb Coordination in Locusts. Journal of Neuroscience, 1996, 16, 8079-8091.	3.6	63
4	Both shared and specialized spinal circuitry for scratching and swimming in turtles. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2002, 188, 225-234.	1.6	60
5	Physiology and Morphology Indicate That Individual Spinal Interneurons Contribute to Diverse Limb Movements. Journal of Neurophysiology, 2005, 94, 4455-4470.	1.8	48
6	Local Control of Leg Movements and Motor Patterns during Grooming in Locusts. Journal of Neuroscience, 1996, 16, 8067-8078.	3.6	43
7	Neural mechanisms of ranging are different in two species of bats. Hearing Research, 1989, 41, 255-264.	2.0	42
8	Broadly Tuned Spinal Neurons for Each Form of Fictive Scratching in Spinal Turtles. Journal of Neurophysiology, 2001, 86, 1017-1025.	1.8	39
9	Spinal Interneurons That Are Selectively Activated during Fictive Flexion Reflex. Journal of Neuroscience, 2007, 27, 4634-4641.	3.6	38
10	Multifunctional and specialized spinal interneurons for turtle limb movements. Annals of the New York Academy of Sciences, 2010, 1198, 119-132.	3.8	37
11	Strong interactions between spinal cord networks for locomotion and scratching. Journal of Neurophysiology, 2011, 106, 1766-1781.	1.8	35
12	Rhythmicity of Spinal Neurons Activated During Each Form of Fictive Scratching in Spinal Turtles. Journal of Neurophysiology, 2001, 86, 1026-1036.	1.8	33
13	Somato-Dendritic Morphology Predicts Physiology for Neurons That Contribute to Several Kinds of Limb Movements. Journal of Neurophysiology, 2006, 95, 2821-2831.	1.8	33
14	Descending propriospinal axons in the hindlimb enlargement of the red-eared turle: Cells of origin and funicular courses. Journal of Comparative Neurology, 1994, 346, 321-336.	1.6	31
15	Our Genes, Ourselves?. BioScience, 1996, 46, 42-51.	4.9	24
16	Partly Shared Spinal Cord Networks for Locomotion and Scratching. Integrative and Comparative Biology, 2011, 51, 890-902.	2.0	16
17	Postexcitatory Inhibition of the Crayfish Lateral Giant Neuron: A Mechanism for Sensory Temporal Filtering. Journal of Neuroscience, 1997, 17, 8867-8879.	3.6	13
18	Distributions of active spinal cord neurons during swimming and scratching motor patterns. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2012, 198, 877-889.	1.6	13

#	Article	IF	Citations
19	Expanding our horizons: central pattern generation in the context of complex activity sequences. Journal of Experimental Biology, 2019, 222, .	1.7	13
20	Propriospinal projections to the ventral horn of the rostral and caudal hindlimb enlargement in turtles. Brain Research, 2004, 1014, 164-176.	2.2	12
21	Shared Components of Rhythm Generation for Locomotion and Scratching Exist Prior to Motoneurons. Frontiers in Neural Circuits, 2017, 11, 54.	2.8	10
22	Rostral spinal cord segments are sufficient to generate a rhythm for both locomotion and scratching but affect their hip extensor phases differently. Journal of Neurophysiology, 2014, 112, 147-155.	1.8	9
23	Dendritic orientation and branching distinguish a class of multifunctional turtle spinal interneurons. Frontiers in Neural Circuits, 2014, 8, 136.	2.8	8
24	Neurotransmitters and Motoneuron Contacts of Multifunctional and Behaviorally Specialized Turtle Spinal Cord Interneurons. Journal of Neuroscience, 2020, 40, 2680-2694.	3.6	7
25	Endogenous biotin staining in a subset of spinal neuronal cell bodies: a potential confounding factor for neuroanatomical studies. Brain Research, 2002, 938, 98-102.	2.2	6
26	Networks of Neurons, Networks of Genes. Neuron, 1996, 17, 199-202.	8.1	5
27	Flexion Reflex Can Interrupt and Reset the Swimming Rhythm. Journal of Neuroscience, 2016, 36, 2819-2826.	3.6	3
28	Turtle Flexion Reflex Motor Patterns Show Windup, Mediated Partly by L-type Calcium Channels. Frontiers in Neural Circuits, 2017, 11, 83.	2.8	3
29	Playing the genome card. Journal of Neurogenetics, 2020, 34, 189-197.	1.4	2
30	You Can Observe a Lot by Watching: Hughlings Jacksonâ€™s Underappreciated and Prescient Ideas about Brain Control of Movement. Neuroscientist, 2018, 24, 448-455.	3.5	1
31	Spinal Interneurons With Dual Axon Projections to Knee-Extensor and Hip-Extensor Motor Pools. Frontiers in Neural Circuits, 2020, 14, 7.	2.8	0
32	Control of Locomotion and Scratching in Turtles. , 2013, , 1-14.		0
33	Control of Locomotion and Scratching in Turtles. , 2014, , 1-14.		0
34	Control of Locomotion and Scratching in Turtles. , 2015, , 834-845.		0
35	Control of Locomotion and Scratching in Turtles. , 2022, , 1003-1014.		0