Letizia Zullo

List of Publications by Year
in descending order

26	736	623734	642732
papers	citations	14 h-index	23 g-index

27	27	27	678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protocol for controlled behavioral testing of octopuses using a single-arm tactile discrimination two-choice task. STAR Protocols, 2022, 3, 101192.	1.2	1
2	How octopus arm muscle contractile properties and anatomical organization contribute to arm functional specialization. Journal of Experimental Biology, 2022, 225, .	1.7	5
3	Beyond muscles: role of intramuscular connective tissue elasticity and passive stiffness in octopus arm muscle function. Journal of Experimental Biology, 2021, 224, .	1.7	8
4	The Diversity of Muscles and Their Regenerative Potential across Animals. Cells, 2020, 9, 1925.	4.1	9
5	Use of Peripheral Sensory Information for Central Nervous Control of Arm Movement by Octopus vulgaris. Current Biology, 2020, 30, 4322-4327.e3.	3.9	34
6	Synapsins are expressed at neuronal and non-neuronal locations in Octopus vulgaris. Scientific Reports, 2019, 9, 15430.	3.3	6
7	From synaptic input to muscle contraction: arm muscle cells of Octopus vulgaris show unique neuromuscular junction and excitationâ€“contraction coupling properties. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191278.	2.6	15
8	Optical lace for synthetic afferent neural networks. Science Robotics, 2019, 4, .	17.6	56
9	mTOR as a Marker of Exercise and Fatigue in Octopus vulgaris Arm. Frontiers in Physiology, 2019, 10, 1161.	2.8	4
10	Motor control pathways in the nervous system of Octopus vulgaris arm. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2019, 205, 271-279.	1.6	29
11	Effect of nutrient deprivation on the expression and the epigenetic signature of sirtuin genes. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 418-424.	2.6	17
12	Small-Animal 18F-FDG PET for Research on Octopus vulgaris: Applications and Future Directions in Invertebrate Neuroscience and Tissue Regeneration. Journal of Nuclear Medicine, 2018, 59, 1302-1307.	5.0	12
13	Cephalopods Between Science, Art, and Engineering: A Contemporary Synthesis. Frontiers in Communication, 2018, 3, .	1.2	22
14	Molecular Determinants of Cephalopod Muscles and Their Implication in Muscle Regeneration. Frontiers in Cell and Developmental Biology, 2017, 5, 53.	3.7	28
15	Embodiment design of soft continuum robots. Advances in Mechanical Engineering, 2016, 8, 168781401664330.	1.6	21
16	The making of an octopus arm. EvoDevo, 2015, 6, 19.	3.2	29
17	Identification and Expression of Acetylcholinesterase in Octopus vulgaris Arm Development and Regeneration: a Conserved Role for ACHE?. Molecular Neurobiology, 2015, 52, 45-56.	4.0	25
18	Cephalopods in neuroscience: regulations, research and the 3Rs. Invertebrate Neuroscience, 2014, 14, 13-36.	1.8	142

#	Article	IF	Citations
19	Octopus arm regeneration: Role of acetylcholinesterase during morphological modification. Journal of Experimental Marine Biology and Ecology, 2013, 447, 93-99.	1.5	32
20	A pragmatic bio-inspired approach to the design of octopus-inspired arms. , 2013, , .		6
21	The application of embodiment theory to the design and control of an octopus-like robotic arm. , 2012, , .		8
22	A â€œSpike-Basedâ€•Grammar Underlies Directional Modification in Network Connectivity: Effect on Bursting Activity and Implications for Bio-Hybrids Systems. PLoS ONE, 2012, 7, e49299.	2.5	12
23	A new perspective on the organization of an invertebrate brain. Communicative and Integrative Biology, 2011, 4, 26-29.	1.4	71
24	A new perspective on the organization of an invertebrate brain. Communicative and Integrative Biology, 2011, 4, 26-9.	1.4	26
25	Nonsomatotopic Organization of the Higher Motor Centers in Octopus. Current Biology, 2009, 19, 1632-1636.	3.9	104
26	Motor Control in Soft-Bodied Animals. , 0, , 495-510.		11