Steven J Zottoli

List of Publications by Year
in descending order

24 papers	707 citations	623734 14 h-index	677142 22 g-index
25 all docs	25 docs citations	25 times ranked	479 citing authors

#	Article	IF	Citations
1	â– Review : The Mauthner Cell: What Has it Taught us?. Neuroscientist, 2000, 6, 26-38.	3.5	95
2	Segmental arrangement of reticulospinal neurons in the goldfish hindbrain. Journal of Comparative Neurology, 1993, 329, 539-556.	1.6	92
3	Correlation of C-start behaviors with neural activity recorded from the hindbrain in free-swimming goldfish (Carassius auratus). Journal of Experimental Biology, 2006, 209, 4788-4801.	1.7	76
4	Posterior lateral line afferent and efferent pathways within the central nervous system of the goldfish with special reference to the Mauthner cell. Journal of Comparative Neurology, 1983, 219, 100-111.	1.6	73
5	Comparative Studies on the Mauthner Cell of Teleost Fish in Relation to Sensory Input. Brain, Behavior and Evolution, 1995, 46, 151-164.	1.7	58
6	Putative cholinergic projections from the nucleus isthmi and the nucleus reticularis mesencephali to the optic tectum in the goldfish (Carassius auratus). Journal of Comparative Neurology, 1988, 273, 385-398.	1.6	51
7	Morphological and physiological survival of goldfish Mauthner axons isolated from their somata by spinal cord crush. Journal of Comparative Neurology, 1987, 255, 272-282.	1.6	37
8	Chapter 18 Spinal cord regeneration in adult goldfish: implications for functional recovery in vertebrates. Progress in Brain Research, 1994, 103, 219-228.	1.4	35
9	Origin and function of spiral fibers projecting to the goldfish mauthner cell. Journal of Comparative Neurology, 1994, 339, 76-90.	1.6	30
10	The axon reaction of the goldfish mauthner cell and factors that influence its morphological variability. Journal of Comparative Neurology, 1984, 230, 497-516.	1.6	29
11	Axotomy-induced changes in cell structure and membrane excitability are sustained in a vertebrate central neuron. Brain Research, 1981, 223, 436-443.	2.2	24
12	Regeneration in the Era of Functional Genomics and Gene Network Analysis. Biological Bulletin, 2011, 221, 18-34.	1.8	24
13	Evolution of the Mauthner Axon Cap. Brain, Behavior and Evolution, 2009, 73, 174-187.	1.7	23
14	Mauthner axon diameter and impulse conduction velocity decrease with growth of goldfish. Neuroscience Letters, 1981, 27, 159-164.	2.1	21
15	Hypoxia Has a Lasting Effect on Fast-Startle Behavior of the Tropical FishHaemulon plumieri. Biological Bulletin, 2019, 237, 48-62.	1.8	9
16	The Marine Biological Laboratory (Woods Hole) and the Scientific Advancement of Women in the Early 20th Century: The Example of Mary Jane Hogue (1883â€“1962). Journal of the History of Biology, 2015, 48, 137-167.	0.5	8
17	Reticulospinal neurons in anamniotic vertebrates: A celebration of Alberto Stefanelli's contributions to comparative neuroscience. Brain Research Bulletin, 2007, 74, 295-306.	3.0	7
18	Invasion of microglia/macrophages and granulocytes into the Mauthner axon myelin sheath following spinal cord injury of the adult goldfish, Carassius auratus. Journal of Morphology, 2020, 281, 135-152.	1.2	4

#	Article	IF	Citations
19	Axon cap morphology of the sea robin (Prionotus carolinus): mauthner cell is correlated with the presence of â€œsignatureâ€•field potentials and a Câ€Type startle response. Journal of Comparative Neurology, 2011, 519, 1979-1998.	1.6	3
20	How the Early Voltage Clamp Studies of JosÃ© del Castillo Inform â€œModernâ€•Neuroscience. Neuroscientist, 2012, 18, 415-421.	3.5	3
21	On the Training of Future Neuroscientists: Insights from the Grass Laboratory. Neuron, 2013, 79, 12-15.	8.1	2
22	Survival and Axonal Outgrowth of the Mauthner Cell Following Spinal Cord Crush Does Not Drive Post-injury Startle Responses. Frontiers in Cell and Developmental Biology, 2021, 9, 744191.	3.7	2
23	Functional Regeneration in the Larval Zebrafish Spinal Cord. , 0, , 263-288.		1
24	Mary Jane Hogue (1883â€“1962): A pioneer in human brain tissue culture. Journal of the History of the Neurosciences, 2018, 27, 333-354.	0.9	0