Boris P Chagnaud

List of Publications by Year
in descending order

29	831	623734 14	526287 27
papers	citations	h-index	g-index

31	31	31	541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphological diversity of acoustic and electric communication systems of mochokid catfish. Journal of Comparative Neurology, 2021, 529, 1787-1809.	1.6	6
2	Avoiding being stung or bitten â€“ prey capture behaviors of the ant-eating Texas horned lizard (Phrynosoma cornutum). Biology Open, 2021, 10, .	1.2	2
3	Gap junction-mediated glycinergic inhibition ensures precise temporal patterning in vocal behavior. ELife, 2021, 10, .	6.0	10
4	Sound production in piranhas is associated with modifications of the spinal locomotor pattern. Journal of Experimental Biology, 2021, 224, .	1.7	5
5	Frequency modulation of rattlesnake acoustic display affects acoustic distance perception in humans. Current Biology, 2021, 31, 4367-4372.e4.	3.9	3
6	Vocal and Electric Fish: Revisiting a Comparison of Two Teleost Models in the Neuroethology of Social Behavior. Frontiers in Neural Circuits, 2021, 15, 713105.	2.8	5
7	Serotonin systems in three socially communicating teleost species, the grunting toadfish (Allenbatrachus grunniens), a South American marine catfish (Ariopsis seemanni), and the upside-down catfish (Synodontis nigriventris). Journal of Chemical Neuroanatomy, 2020, 104, 101708.	2.1	9
8	Neuroanatomical and neurophysiological mechanisms of acoustic and weakly electric signaling in synodontid catfish. Journal of Comparative Neurology, 2020, 528, 2602-2619.	1.6	11
9	A New Perspective on Predictive Motor Signaling. Current Biology, 2018, 28, R232-R243.	3.9	126
10	Inhibitory and modulatory inputs to the vocal central pattern generator of a teleost fish. Journal of Comparative Neurology, 2018, 526, 1368-1388.	1.6	13
11	Moving or being moved: that makes a difference. Journal of Neurology, 2017, 264, 28-33.	3.6	10
12	Sensing External and Self-Motion with Hair Cells: A Comparison of the Lateral Line and Vestibular Systems from a Developmental and Evolutionary Perspective. Brain, Behavior and Evolution, 2017, 90, 98-116.	1.7	53
13	Ontogenetic Development of Vestibulo-Ocular Reflexes in Amphibians. Frontiers in Neural Circuits, 2016, 10, 91.	2.8	11
14	Comparative Neurobiology of Sound Production in Fishes. Animal Signals and Communication, 2015, , 35-75.	0.8	28
15	Locomotor corollary activation of trigeminal motoneurons: coupling of discrete motor behaviors. Journal of Experimental Biology, 2015, 218, 1748-1758.	1.7	11
16	Spinal corollary discharge modulates motion sensing during vertebrate locomotion. Nature Communications, 2015, 6, 7982.	12.8	60
17	Vocal Behavior and Vocal Central Pattern Generator Organization Diverge among Toadfishes. Brain, Behavior and Evolution, 2014, 84, 51-65.	1.7	25
18	Information Encoding and Processing by the Peripheral Lateral Line System. Springer Handbook of Auditory Research, 2013, , 151-194.	0.7	17

#	Article	IF	Citations
19	Innovations in motoneuron synchrony drive rapid temporal modulations in vertebrate acoustic signaling. Journal of Neurophysiology, 2012, 107, 3528-3542.	1.8	45
20	Predictability of visual perturbation during locomotion: implications for corrective efference copy signaling. Biological Cybernetics, 2012, 106, 669-679.	1.3	28
21	Temporal precision and reliability in the velocity regime of a hair-cell sensory system: the mechanosensory lateral line of goldfish, Carassius auratus. Journal of Neurophysiology, 2012, 107, 2581-2593.	1.8	10
22	Vocalization frequency and duration are coded in separate hindbrain nuclei. Nature Communications, 2011, 2, 346.	12.8	69
23	Edge-Detection Filter Improves Spatial Resolution in the Electrosensory System of the Paddlefish. Journal of Neurophysiology, 2009, 102, 797-804.	1.8	6
24	Object localization through the lateral line system of fish: theory and experiment. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 1-17.	1.6	97
25	Response properties of electrosensory neurons in the lateral mesencephalic nucleus of the paddlefish. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2008, 194, 209-220.	1.6	8
26	Lateral line nerve fibers do not code bulk water flow direction in turbulent flow. Zoology, 2008, 111, 204-217.	1.2	34
27	Measuring Flow Velocity and Flow Direction by Spatial and Temporal Analysis of Flow Fluctuations. Journal of Neuroscience, 2008, 28, 4479-4487.	3.6	62
28	Responses to dipole stimuli of anterior lateral line nerve fibres in goldfish, Carassius auratus, under still and running water conditions. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2007, 193, 249-263.	1.6	19
29	KÃ¡rmÃ¡n vortex street detection by the lateral line. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2007, 193, 753-763.	1.6	48