

Boris P Chagnaud

List of Publications by Year in descending order

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29
papers

831
citations

623734

14
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Perspective on Predictive Motor Signaling. <i>Current Biology</i> , 2018, 28, R232-R243.	3.9	126
2	Object localization through the lateral line system of fish: theory and experiment. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2008, 194, 1-17.	1.6	97
3	Vocalization frequency and duration are coded in separate hindbrain nuclei. <i>Nature Communications</i> , 2011, 2, 346.	12.8	69
4	Measuring Flow Velocity and Flow Direction by Spatial and Temporal Analysis of Flow Fluctuations. <i>Journal of Neuroscience</i> , 2008, 28, 4479-4487.	3.6	62
5	Spinal corollary discharge modulates motion sensing during vertebrate locomotion. <i>Nature Communications</i> , 2015, 6, 7982.	12.8	60
6	Sensing External and Self-Motion with Hair Cells: A Comparison of the Lateral Line and Vestibular Systems from a Developmental and Evolutionary Perspective. <i>Brain, Behavior and Evolution</i> , 2017, 90, 98-116.	1.7	53
7	KÄrmÄn vortex street detection by the lateral line. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 753-763.	1.6	48
8	Innovations in motoneuron synchrony drive rapid temporal modulations in vertebrate acoustic signaling. <i>Journal of Neurophysiology</i> , 2012, 107, 3528-3542.	1.8	45
9	Lateral line nerve fibers do not code bulk water flow direction in turbulent flow. <i>Zoology</i> , 2008, 111, 204-217.	1.2	34
10	Predictability of visual perturbation during locomotion: implications for corrective efference copy signaling. <i>Biological Cybernetics</i> , 2012, 106, 669-679.	1.3	28
11	Comparative Neurobiology of Sound Production in Fishes. <i>Animal Signals and Communication</i> , 2015, , 35-75.	0.8	28
12	Vocal Behavior and Vocal Central Pattern Generator Organization Diverge among Toadfishes. <i>Brain, Behavior and Evolution</i> , 2014, 84, 51-65.	1.7	25
13	Responses to dipole stimuli of anterior lateral line nerve fibres in goldfish, <i>Carassius auratus</i> , under still and running water conditions. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 249-263.	1.6	19
14	Information Encoding and Processing by the Peripheral Lateral Line System. <i>Springer Handbook of Auditory Research</i> , 2013, , 151-194.	0.7	17
15	Inhibitory and modulatory inputs to the vocal central pattern generator of a teleost fish. <i>Journal of Comparative Neurology</i> , 2018, 526, 1368-1388.	1.6	13
16	Locomotor corollary activation of trigeminal motoneurons: coupling of discrete motor behaviors. <i>Journal of Experimental Biology</i> , 2015, 218, 1748-1758.	1.7	11
17	Ontogenetic Development of Vestibulo-Ocular Reflexes in Amphibians. <i>Frontiers in Neural Circuits</i> , 2016, 10, 91.	2.8	11
18	Neuroanatomical and neurophysiological mechanisms of acoustic and weakly electric signaling in synodontid catfish. <i>Journal of Comparative Neurology</i> , 2020, 528, 2602-2619.	1.6	11

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19	Temporal precision and reliability in the velocity regime of a hair-cell sensory system: the mechanosensory lateral line of goldfish, <i>Carassius auratus</i> . <i>Journal of Neurophysiology</i> , 2012, 107, 2581-2593.	1.8	10
20	Moving or being moved: that makes a difference. <i>Journal of Neurology</i> , 2017, 264, 28-33.	3.6	10
21	Gap junction-mediated glycinergic inhibition ensures precise temporal patterning in vocal behavior. <i>ELife</i> , 2021, 10, .	6.0	10
22	Serotonin systems in three socially communicating teleost species, the grunting toadfish (<i>Allenbatrachus grunniens</i>), a South American marine catfish (<i>Ariopsis seemanni</i>), and the upside-down catfish (<i>Synodontis nigriventris</i>). <i>Journal of Chemical Neuroanatomy</i> , 2020, 104, 101708.	2.1	9
23	Response properties of electrosensory neurons in the lateral mesencephalic nucleus of the paddlefish. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2008, 194, 209-220.	1.6	8
24	Edge-Detection Filter Improves Spatial Resolution in the Electrosensory System of the Paddlefish. <i>Journal of Neurophysiology</i> , 2009, 102, 797-804.	1.8	6
25	Morphological diversity of acoustic and electric communication systems of mochokid catfish. <i>Journal of Comparative Neurology</i> , 2021, 529, 1787-1809.	1.6	6
26	Sound production in piranhas is associated with modifications of the spinal locomotor pattern. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	5
27	Vocal and Electric Fish: Revisiting a Comparison of Two Teleost Models in the Neuroethology of Social Behavior. <i>Frontiers in Neural Circuits</i> , 2021, 15, 713105.	2.8	5
28	Frequency modulation of rattlesnake acoustic display affects acoustic distance perception in humans. <i>Current Biology</i> , 2021, 31, 4367-4372.e4.	3.9	3
29	Avoiding being stung or bitten “prey capture behaviors of the ant-eating Texas horned lizard (<i>Phrynosoma cornutum</i>). <i>Biology Open</i> , 2021, 10, .	1.2	2