Richard Boyle

List of Publications by Year
in descending order

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27 papers	782 citations	759055 12 h-index	642610 23 g-index
28 all docs	28 docs citations	28 times ranked	550 citing authors

#	Article	IF	Citations
1	Otolith adaptive responses to altered gravity. Neuroscience and Biobehavioral Reviews, 2021, 122, 218-228.	2.9	7
2	Space Biology (Cells to Amphibians). , 2021, , 205-217.		0
3	Otoconia Structure After Short- and Long-Duration Exposure to Altered Gravity. JARO - Journal of the Association for Research in Otolaryngology, 2021, 22, 509-525.	0.9	4
4	Space Biology (Cells to Amphibians). , 2020, , 1-10.		1
5	Morphology of the utricular otolith organ in the toadfish, Opsanus tau. Journal of Comparative Neurology, 2018, 526, 1571-1588.	0.9	9
6	Influence of Magnitude and Duration of Altered Gravity and Readaptation to 1 g on the Structure and Function of the Utricle in Toadfish, Opsanus tau. Frontiers in Physiology, 2018, 9, 1469.	1.3	11
7	Neural response in vestibular organ of Helix aspersa to centrifugation and re-adaptation to normal gravity. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2015, 201, 717-729.	0.7	6
8	Mice in Bion-M 1 Space Mission: Training and Selection. PLoS ONE, 2014, 9, e104830.	1.1	88
9	Functional Changes in the Snail Statocyst System Elicited by Microgravity. PLoS ONE, 2011, 6, e17710.	1.1	17
10	The Density Difference of Cupula and Endolymph Changes the Mechanics of Semicircular Canals. Microgravity Science and Technology, 2011, 23, 433-438.	0.7	3
11	Mechanical amplification by hair cells in the semicircular canals. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3864-3869.	3.3	50
12	Efferent Control of Hair Cell and Afferent Responses in the Semicircular Canals. Journal of Neurophysiology, 2009, 102, 1513-1525.	0.9	65
13	Dynamic Displacement of Normal and Detached Semicircular Canal Cupula. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 497-509.	0.9	39
14	Global hand pose estimation by multiple camera ellipse tracking. Machine Vision and Applications, 2009, 21, 1-15.	1.7	17
15	Integrating perceptual level of detail with head-pose estimation and its uncertainty. Machine Vision and Applications, 2009, 21, 69-83.	1.7	0
16	Global Hand Pose Estimation by Multiple Camera Ellipse Tracking. Lecture Notes in Computer Science, 2006, , 122-132.	1.0	2
17	Active Stabilization of Images Acquired on a Walking Robotic Platform. Lecture Notes in Computer Science, 2006, , 851-860.	1.0	1
18	Rotations in a vertebrate setting: evaluation of the symmetry group of the disynaptic canal-neck projection. Biological Cybernetics, 2004, 90, 203-217.	0.6	18

#	Article	IF	Citations
19	Morphological Properties of Vestibulospinal Neurons in Primates. Annals of the New York Academy of Sciences, 2003, 1004, 183-195.	1.8	13
20	Functional Recovery of Anterior Semicircular Canal Afferents following Hair Cell Regeneration in Birds. JARO - Journal of the Association for Research in Otolaryngology, 2002, 3, 149-166.	0.9	14
21	Neural Readaptation to Earth's Gravity Following Return From Space. Journal of Neurophysiology, 2001, 86, 2118-2122.	0.9	87
22	Conditional transitions in gaze dynamics: role of vestibular nuclei in eye-only and eye/head gaze behaviors. Biological Cybernetics, 2001, 85, 423-436.	0.6	5
23	Firing Behavior of Vestibular Neurons During Active and Passive Head Movements: Vestibulo-Spinal and Other Non-Eye-Movement Related Neurons. Journal of Neurophysiology, 1999, 82, 416-428.	0.9	151
24	Identification of head motions by central vestibular neurons receiving linear and angular input. Biological Cybernetics, 1999, 81, 177-188.	0.6	5
25	Differential central projections of physiologically characterized horizontal semicircular canal vestibular nerve afferents in the toadfish,Opsanus tau. , 1997, 384, 71-85.		19
26	Sensitivity of interpositus neurons to neck afferent stimulation. Brain Research, 1979, 168, 180-185.	1.1	13
27	Frequency response characteristics of vestibulospinal neurons during sinusoidal neck rotation. Brain Research, 1979, 173, 344-349.	1.1	137