

Richard Boyle

List of Publications by Year in descending order

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27
papers

782
citations

759055

12
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642610

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28
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28
docs citations

28
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	Firing Behavior of Vestibular Neurons During Active and Passive Head Movements: Vestibulo-Spinal and Other Non-Eye-Movement Related Neurons. <i>Journal of Neurophysiology</i> , 1999, 82, 416-428.	0.9	151
2	Frequency response characteristics of vestibulospinal neurons during sinusoidal neck rotation. <i>Brain Research</i> , 1979, 173, 344-349.	1.1	137
3	Mice in Bion-M 1 Space Mission: Training and Selection. <i>PLoS ONE</i> , 2014, 9, e104830.	1.1	88
4	Neural Readaptation to Earth's Gravity Following Return From Space. <i>Journal of Neurophysiology</i> , 2001, 86, 2118-2122.	0.9	87
5	Efferent Control of Hair Cell and Afferent Responses in the Semicircular Canals. <i>Journal of Neurophysiology</i> , 2009, 102, 1513-1525.	0.9	65
6	Mechanical amplification by hair cells in the semicircular canals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3864-3869.	3.3	50
7	Dynamic Displacement of Normal and Detached Semicircular Canal Cupula. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2009, 10, 497-509.	0.9	39
8	Differential central projections of physiologically characterized horizontal semicircular canal vestibular nerve afferents in the toadfish, <i>Opsanus tau</i> . , 1997, 384, 71-85.		19
9	Rotations in a vertebrate setting: evaluation of the symmetry group of the disynaptic canal-neck projection. <i>Biological Cybernetics</i> , 2004, 90, 203-217.	0.6	18
10	Global hand pose estimation by multiple camera ellipse tracking. <i>Machine Vision and Applications</i> , 2009, 21, 1-15.	1.7	17
11	Functional Changes in the Snail Statocyst System Elicited by Microgravity. <i>PLoS ONE</i> , 2011, 6, e17710.	1.1	17
12	Functional Recovery of Anterior Semicircular Canal Afferents following Hair Cell Regeneration in Birds. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2002, 3, 149-166.	0.9	14
13	Sensitivity of interpositus neurons to neck afferent stimulation. <i>Brain Research</i> , 1979, 168, 180-185.	1.1	13
14	Morphological Properties of Vestibulospinal Neurons in Primates. <i>Annals of the New York Academy of Sciences</i> , 2003, 1004, 183-195.	1.8	13
15	Influence of Magnitude and Duration of Altered Gravity and Readaptation to 1 g on the Structure and Function of the Utricle in Toadfish, <i>Opsanus tau</i> . <i>Frontiers in Physiology</i> , 2018, 9, 1469.	1.3	11
16	Morphology of the utricular otolith organ in the toadfish, <i>Opsanus tau</i> . <i>Journal of Comparative Neurology</i> , 2018, 526, 1571-1588.	0.9	9
17	Otolith adaptive responses to altered gravity. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 122, 218-228.	2.9	7
18	Neural response in vestibular organ of <i>Helix aspersa</i> to centrifugation and re-adaptation to normal gravity. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2015, 201, 717-729.	0.7	6

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19	Identification of head motions by central vestibular neurons receiving linear and angular input. <i>Biological Cybernetics</i> , 1999, 81, 177-188.	0.6	5
20	Conditional transitions in gaze dynamics: role of vestibular nuclei in eye-only and eye/head gaze behaviors. <i>Biological Cybernetics</i> , 2001, 85, 423-436.	0.6	5
21	Otoconia Structure After Short- and Long-Duration Exposure to Altered Gravity. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2021, 22, 509-525.	0.9	4
22	The Density Difference of Cupula and Endolymph Changes the Mechanics of Semicircular Canals. <i>Microgravity Science and Technology</i> , 2011, 23, 433-438.	0.7	3
23	Global Hand Pose Estimation by Multiple Camera Ellipse Tracking. <i>Lecture Notes in Computer Science</i> , 2006, , 122-132.	1.0	2
24	Space Biology (Cells to Amphibians). , 2020, , 1-10.		1
25	Active Stabilization of Images Acquired on a Walking Robotic Platform. <i>Lecture Notes in Computer Science</i> , 2006, , 851-860.	1.0	1
26	Integrating perceptual level of detail with head-pose estimation and its uncertainty. <i>Machine Vision and Applications</i> , 2009, 21, 69-83.	1.7	0
27	Space Biology (Cells to Amphibians). , 2021, , 205-217.		0