Paul DiZio

List of Publications by Year
in descending order

58 papers	2,417 citations	236925 25 h-index	206112 48 g-index
58 all docs	58 docs citations	58 times ranked	1498 citing authors

#	Article	IF	Citations
1	The role of spatial acuity in a dynamic balancing task without gravitational cues. Experimental Brain Research, 2022, 240, 123-133.	1.5	2
2	Crash Prediction Using Deep Learning in a Disorienting Spaceflight Analog Balancing Task. Frontiers in Physiology, 2022, 13, 806357.	2.8	1
3	Velocity storage: its multiple roles. Journal of Neurophysiology, 2020, 123, 1206-1215.	1.8	6
4	Multiple roles of active stiffness in upright balance and multidirectional sway. Journal of Neurophysiology, 2020, 124, 1995-2011.	1.8	8
5	The effect of hypergravity on upright balance and voluntary sway. Journal of Neurophysiology, 2020, 124, 1986-1994.	1.8	3
6	Learning and long-term retention of dynamic self-stabilization skills. Experimental Brain Research, 2019, 237, 2775-2787.	1.5	8
7	Adaptation to Coriolis force perturbations of postural sway requires an asymmetric two-leg model. Journal of Neurophysiology, 2019, 121, 2042-2060.	1.8	6
8	Rapid adaptation to Coriolis force perturbations of voluntary body sway. Journal of Neurophysiology, 2019, 121, 2028-2041.	1.8	6
9	Learning dynamic control of body yaw orientation. Experimental Brain Research, 2018, 236, 1321-1330.	1.5	10
10	Learning dynamic balancing in the roll plane with and without gravitational cues. Experimental Brain Research, 2017, 235, 3495-3503.	1.5	15
11	The influence of sleep deprivation and oscillating motion on sleepiness, motion sickness, and cognitive and motor performance. Autonomic Neuroscience: Basic and Clinical, 2017, 202, 86-96.	2.8	28
12	Gravitational and Somatosensory Influences on Control and Perception of Roll Balance. Aerospace Medicine and Human Performance, 2017, 88, 993-999.	0.4	8
13	Learning dynamic control of body roll orientation. Experimental Brain Research, 2016, 234, 483-492.	1.5	13
14	Direction of balance and perception of the upright are perceptually dissociable. Journal of Neurophysiology, 2015, 113, 3600-3609.	1.8	19
15	Parkinsonian Gait Ameliorated With a Moving Handrail, Not With a Banister. Archives of Physical Medicine and Rehabilitation, 2015, 96, 735-741.	0.9	15
16	Statistical analysis of quiet stance sway in 2-D. Experimental Brain Research, 2014, 232, 1095-1108.	1.5	3
17	Adaptation to Coriolis perturbations of voluntary body sway transfers to preprogrammed fall-recovery behavior. Journal of Neurophysiology, 2014, 111, 977-983.	1.8	5
18	Immediate compensation for variations in self-generated Coriolis torques related to body dynamics and carried objects. Journal of Neurophysiology, 2013, 110, 1370-1384.	1.8	20

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19	Measuring Multi-Joint Stiffness during Single Movements: Numerical Validation of a Novel Time-Frequency Approach. PLoS ONE, 2012, 7, e33086.	2.5	40
20	Comparative Analysis of Methods for Estimating Arm Segment Parameters and Joint Torques From Inverse Dynamics. Journal of Biomechanical Engineering, 2011, 133, 031003.	1.3	28
21	Audiogravic and oculogravic illusions represent a unified spatial remapping. Experimental Brain Research, 2010, 202, 513-518.	1.5	10
22	Influence of galvanic vestibular stimulation on postural recovery during sudden falls. Experimental Brain Research, 2010, 205, 123-129.	1.5	7
23	A new time-frequency approach to estimate single joint upper limb impedance. , 2009, 2009, 1282-5.		14
24	Angular displacement perception modulated by force background. Experimental Brain Research, 2009, 195, 335-343.	1.5	12
25	Control and Calibration of Multi-Segment Reaching Movements. Advances in Experimental Medicine and Biology, 2009, 629, 681-698.	1.6	2
26	Kinetic analysis of arm reaching movements during voluntary and passive rotation of the torso. Experimental Brain Research, 2008, 187, 509-523.	1.5	25
27	Dynamics model for analyzing reaching movements during active and passive torso rotation. Experimental Brain Research, 2008, 187, 525-534.	1.5	9
28	Influences of Arm Proprioception and Degrees of Freedom on Postural Control With Light Touch Feedback. Journal of Neurophysiology, 2008, 99, 595-604.	1.8	45
29	Time course of haptic stabilization of posture. Experimental Brain Research, 2006, 170, 122-126.	1.5	33
30	Localization of the subjective vertical during roll, pitch, and recumbent yaw body tilt. Experimental Brain Research, 2006, 173, 364-373.	1.5	51
31	Space motion sickness. Experimental Brain Research, 2006, 175, 377-399.	1.5	130
32	Motor control and learning in altered dynamic environments. Current Opinion in Neurobiology, 2005, 15, 653-659.	4.2	92
33	Rapid adaptation of torso pointing movements to perturbations of the base of support. Experimental Brain Research, 2005, 165, 283-293.	1.5	14
34	Vestibular, Proprioceptive, and Haptic Contributions to Spatial Orientation. Annual Review of Psychology, 2005, 56, 115-147.	17.7	219
35	Balance in a rotating artificial gravity environment. Experimental Brain Research, 2003, 148, 266-271.	1.5	4
36	Task-dependent motor learning. Experimental Brain Research, 2003, 153, 128-132.	1.5	22

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37	Coordinated Turn-and-Reach Movements. I. Anticipatory Compensation for Self-Generated Coriolis and Interaction Torques. Journal of Neurophysiology, 2003, 89, 276-289.	1.8	67
38	Coordinated Turn-and-Reach Movements. II. Planning in an External Frame of Reference. Journal of Neurophysiology, 2003, 89, 290-303.	1.8	34
39	Adaptation to Coriolis Force Perturbation of Movement Trajectory. Advances in Experimental Medicine and Biology, 2002, 508, 69-78.	1.6	12
40	Coriolis-Force-Induced Trajectory and Endpoint Deviations in the Reaching Movements of Labyrinthine-Defective Subjects. Journal of Neurophysiology, 2001, 85, 784-789.	1.8	20
41	Gravitoinertial Force Magnitude and Direction Influence Head-Centric Auditory Localization. Journal of Neurophysiology, 2001, 85, 2455-2460.	1.8	20
42	Stabilization of posture by precision touch of the index finger with rigid and flexible filaments. Experimental Brain Research, 2001, 139, 454-464.	1.5	96
43	Fingertip Contact Suppresses the Destabilizing Influence of Leg Muscle Vibration. Journal of Neurophysiology, 2000, 84, 2217-2224.	1.8	62
44	Congenitally Blind Individuals Rapidly Adapt to Coriolis Force Perturbations of Their Reaching Movements. Journal of Neurophysiology, 2000, 84, 2175-2180.	1.8	55
45	Reaching During Virtual Rotation: Context Specific Compensations for Expected Coriolis Forces. Journal of Neurophysiology, 2000, 83, 3230-3240.	1.8	64
46	Haptic Stabilization of Posture: Changes in Arm Proprioception and Cutaneous Feedback for Different Arm Orientations. Journal of Neurophysiology, 1999, 82, 3541-3549.	1.8	80
47	Precision contact of the fingertip reduces postural sway of individuals with bilateral vestibular loss. Experimental Brain Research, 1999, 126, 459-466.	1.5	165
48	Auditory cues for orientation and postural control in sighted and congenitally blind people. Experimental Brain Research, 1998, 118, 541-550.	1.5	121
49	Adaptation in a rotating artificial gravity environment. Brain Research Reviews, 1998, 28, 194-202.	9.0	32
50	Spatial Orientation as a Component of Presence: Insights Gained from Nonterrestrial Environments. Presence: Teleoperators and Virtual Environments, 1998, 7, 108-115.	0.6	15
51	Gravitoinertial Force Background Level Affects Adaptation to Coriolis Force Perturbations of Reaching Movements. Journal of Neurophysiology, 1998, 80, 546-553.	1.8	112
52	Motor function in microgravity: movement in weightlessness. Current Opinion in Neurobiology, 1996, 6, 744-750.	4.2	45
53	Influence of gravitoinertial force level on vestibular and visual velocity storage in yaw and pitch. Vision Research, 1992, 32, 111-120.	1.4	17
54	Gravitoinertial force level affects the appreciation of limb position during muscle vibration. Brain Research, 1992, 592, 175-180.	2.2	92

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55	Tonic vibration reflexes and background force level. Acta Astronautica, 1992, 26, 133-136.	3.2	12
56	Perceived self-motion elicited by postrotary head tilts in a varying gravitoinertial force background. Perception & Psychophysics, 1989, 46, 114-118.	2.3	149
57	Altered Sensory-Motor Control of the Head as an Etiological Factor in Space-Motion Sickness. Perceptual and Motor Skills, 1989, 68, 784-786.	1.3	135
58	Visual Stimulation Affects the Perception of Voluntary Leg Movements during Walking. Perception, 1988, 17, 71-80.	1.2	79