

Paul DiZio

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Vestibular, Proprioceptive, and Haptic Contributions to Spatial Orientation. Annual Review of Psychology, 2005, 56, 115-147. | 17.7 | 219 |
| 2 | Precision contact of the fingertip reduces postural sway of individuals with bilateral vestibular loss. Experimental Brain Research, 1999, 126, 459-466. | 1.5 | 165 |
| 3 | Perceived self-motion elicited by postrotary head tilts in a varying gravito-inertial force background. Perception & Psychophysics, 1989, 46, 114-118. | 2.3 | 149 |
| 4 | 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 |
| 5 | Space motion sickness. Experimental Brain Research, 2006, 175, 377-399. | 1.5 | 130 |
| 6 | Auditory cues for orientation and postural control in sighted and congenitally blind people. Experimental Brain Research, 1998, 118, 541-550. | 1.5 | 121 |
| 7 | Gravito-inertial Force Background Level Affects Adaptation to Coriolis Force Perturbations of Reaching Movements. Journal of Neurophysiology, 1998, 80, 546-553. | 1.8 | 112 |
| 8 | 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 |
| 9 | Gravito-inertial force level affects the appreciation of limb position during muscle vibration. Brain Research, 1992, 592, 175-180. | 2.2 | 92 |
| 10 | Motor control and learning in altered dynamic environments. Current Opinion in Neurobiology, 2005, 15, 653-659. | 4.2 | 92 |
| 11 | 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 |
| 12 | Visual Stimulation Affects the Perception of Voluntary Leg Movements during Walking. Perception, 1988, 17, 71-80. | 1.2 | 79 |
| 13 | 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 |
| 14 | Reaching During Virtual Rotation: Context Specific Compensations for Expected Coriolis Forces. Journal of Neurophysiology, 2000, 83, 3230-3240. | 1.8 | 64 |
| 15 | Fingertip Contact Suppresses the Destabilizing Influence of Leg Muscle Vibration. Journal of Neurophysiology, 2000, 84, 2217-2224. | 1.8 | 62 |
| 16 | Congenitally Blind Individuals Rapidly Adapt to Coriolis Force Perturbations of Their Reaching Movements. Journal of Neurophysiology, 2000, 84, 2175-2180. | 1.8 | 55 |
| 17 | Localization of the subjective vertical during roll, pitch, and recumbent yaw body tilt. Experimental Brain Research, 2006, 173, 364-373. | 1.5 | 51 |
| 18 | Motor function in microgravity: movement in weightlessness. Current Opinion in Neurobiology, 1996, 6, 744-750. | 4.2 | 45 |

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|----|--|-----|-----------|
| 19 | Influences of Arm Proprioception and Degrees of Freedom on Postural Control With Light Touch Feedback. <i>Journal of Neurophysiology</i> , 2008, 99, 595-604. | 1.8 | 45 |
| 20 | Measuring Multi-Joint Stiffness during Single Movements: Numerical Validation of a Novel Time-Frequency Approach. <i>PLoS ONE</i> , 2012, 7, e33086. | 2.5 | 40 |
| 21 | Coordinated Turn-and-Reach Movements. II. Planning in an External Frame of Reference. <i>Journal of Neurophysiology</i> , 2003, 89, 290-303. | 1.8 | 34 |
| 22 | Time course of haptic stabilization of posture. <i>Experimental Brain Research</i> , 2006, 170, 122-126. | 1.5 | 33 |
| 23 | Adaptation in a rotating artificial gravity environment. <i>Brain Research Reviews</i> , 1998, 28, 194-202. | 9.0 | 32 |
| 24 | Comparative Analysis of Methods for Estimating Arm Segment Parameters and Joint Torques From Inverse Dynamics. <i>Journal of Biomechanical Engineering</i> , 2011, 133, 031003. | 1.3 | 28 |
| 25 | The influence of sleep deprivation and oscillating motion on sleepiness, motion sickness, and cognitive and motor performance. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 202, 86-96. | 2.8 | 28 |
| 26 | Kinetic analysis of arm reaching movements during voluntary and passive rotation of the torso. <i>Experimental Brain Research</i> , 2008, 187, 509-523. | 1.5 | 25 |
| 27 | Task-dependent motor learning. <i>Experimental Brain Research</i> , 2003, 153, 128-132. | 1.5 | 22 |
| 28 | Coriolis-Force-Induced Trajectory and Endpoint Deviations in the Reaching Movements of Labyrinthine-Defective Subjects. <i>Journal of Neurophysiology</i> , 2001, 85, 784-789. | 1.8 | 20 |
| 29 | Gravito-inertial Force Magnitude and Direction Influence Head-Centric Auditory Localization. <i>Journal of Neurophysiology</i> , 2001, 85, 2455-2460. | 1.8 | 20 |
| 30 | Immediate compensation for variations in self-generated Coriolis torques related to body dynamics and carried objects. <i>Journal of Neurophysiology</i> , 2013, 110, 1370-1384. | 1.8 | 20 |
| 31 | Direction of balance and perception of the upright are perceptually dissociable. <i>Journal of Neurophysiology</i> , 2015, 113, 3600-3609. | 1.8 | 19 |
| 32 | Influence of gravito-inertial force level on vestibular and visual velocity storage in yaw and pitch. <i>Vision Research</i> , 1992, 32, 111-120. | 1.4 | 17 |
| 33 | Spatial Orientation as a Component of Presence: Insights Gained from Nonterrestrial Environments. <i>Presence: Teleoperators and Virtual Environments</i> , 1998, 7, 108-115. | 0.6 | 15 |
| 34 | Parkinsonian Gait Ameliorated With a Moving Handrail, Not With a Banister. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 735-741. | 0.9 | 15 |
| 35 | Learning dynamic balancing in the roll plane with and without gravitational cues. <i>Experimental Brain Research</i> , 2017, 235, 3495-3503. | 1.5 | 15 |
| 36 | Rapid adaptation of torso pointing movements to perturbations of the base of support. <i>Experimental Brain Research</i> , 2005, 165, 283-293. | 1.5 | 14 |

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|----|--|-----|-----------|
| 37 | A new time-frequency approach to estimate single joint upper limb impedance. , 2009, 2009, 1282-5. | | 14 |
| 38 | Learning dynamic control of body roll orientation. Experimental Brain Research, 2016, 234, 483-492. | 1.5 | 13 |
| 39 | Tonic vibration reflexes and background force level. Acta Astronautica, 1992, 26, 133-136. | 3.2 | 12 |
| 40 | Angular displacement perception modulated by force background. Experimental Brain Research, 2009, 195, 335-343. | 1.5 | 12 |
| 41 | Adaptation to Coriolis Force Perturbation of Movement Trajectory. Advances in Experimental Medicine and Biology, 2002, 508, 69-78. | 1.6 | 12 |
| 42 | Audiogravic and oculogravic illusions represent a unified spatial remapping. Experimental Brain Research, 2010, 202, 513-518. | 1.5 | 10 |
| 43 | Learning dynamic control of body yaw orientation. Experimental Brain Research, 2018, 236, 1321-1330. | 1.5 | 10 |
| 44 | Dynamics model for analyzing reaching movements during active and passive torso rotation. Experimental Brain Research, 2008, 187, 525-534. | 1.5 | 9 |
| 45 | Gravitational and Somatosensory Influences on Control and Perception of Roll Balance. Aerospace Medicine and Human Performance, 2017, 88, 993-999. | 0.4 | 8 |
| 46 | Learning and long-term retention of dynamic self-stabilization skills. Experimental Brain Research, 2019, 237, 2775-2787. | 1.5 | 8 |
| 47 | Multiple roles of active stiffness in upright balance and multidirectional sway. Journal of Neurophysiology, 2020, 124, 1995-2011. | 1.8 | 8 |
| 48 | Influence of galvanic vestibular stimulation on postural recovery during sudden falls. Experimental Brain Research, 2010, 205, 123-129. | 1.5 | 7 |
| 49 | Adaptation to Coriolis force perturbations of postural sway requires an asymmetric two-leg model. Journal of Neurophysiology, 2019, 121, 2042-2060. | 1.8 | 6 |
| 50 | Rapid adaptation to Coriolis force perturbations of voluntary body sway. Journal of Neurophysiology, 2019, 121, 2028-2041. | 1.8 | 6 |
| 51 | Velocity storage: its multiple roles. Journal of Neurophysiology, 2020, 123, 1206-1215. | 1.8 | 6 |
| 52 | Adaptation to Coriolis perturbations of voluntary body sway transfers to preprogrammed fall-recovery behavior. Journal of Neurophysiology, 2014, 111, 977-983. | 1.8 | 5 |
| 53 | Balance in a rotating artificial gravity environment. Experimental Brain Research, 2003, 148, 266-271. | 1.5 | 4 |
| 54 | Statistical analysis of quiet stance sway in 2-D. Experimental Brain Research, 2014, 232, 1095-1108. | 1.5 | 3 |

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|----|--|-----|-----------|
| 55 | The effect of hypergravity on upright balance and voluntary sway. <i>Journal of Neurophysiology</i> , 2020, 124, 1986-1994. | 1.8 | 3 |
| 56 | Control and Calibration of Multi-Segment Reaching Movements. <i>Advances in Experimental Medicine and Biology</i> , 2009, 629, 681-698. | 1.6 | 2 |
| 57 | The role of spatial acuity in a dynamic balancing task without gravitational cues. <i>Experimental Brain Research</i> , 2022, 240, 123-133. | 1.5 | 2 |
| 58 | Crash Prediction Using Deep Learning in a Disorienting Spaceflight Analog Balancing Task. <i>Frontiers in Physiology</i> , 2022, 13, 806357. | 2.8 | 1 |