

Paul Van Donkelaar

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

3,866
citations

87888

38
h-index

128289

60
g-index

82
all docs

82
docs citations

82
times ranked

3313
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | An acute bout of controlled subconcussive impacts can alter dynamic cerebral autoregulation indices: a preliminary investigation. <i>European Journal of Applied Physiology</i> , 2022, 122, 1059-1070. | 2.5 | 6 |
| 2 | The effect of increased cognitive processing on reactive balance control following perturbations to the upper limb. <i>Experimental Brain Research</i> , 2022, , 1. | 1.5 | 1 |
| 3 | A global collaboration to study intimate partner violence-related head trauma: The ENIGMA consortium IPV working group. <i>Brain Imaging and Behavior</i> , 2021, 15, 475-503. | 2.1 | 21 |
| 4 | Characterization of Cognitive-Motor Function in Women Who Have Experienced Intimate Partner Violence-Related Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 2723-2730. | 3.4 | 16 |
| 5 | A Prospective Transcranial Doppler Ultrasound-Based Evaluation of the Effects of Repetitive Subconcussive Head Trauma on Neurovascular Coupling Dynamics. <i>Clinical Journal of Sport Medicine</i> , 2020, 30, S53-S60. | 1.8 | 8 |
| 6 | Attention Is Required to Coordinate Reaching and Postural Stability during Upper Limb Movements Generated While Standing. <i>Journal of Motor Behavior</i> , 2020, 52, 79-88. | 0.9 | 6 |
| 7 | An Acute Bout of Soccer Heading Subtly Alters Neurovascular Coupling Metrics. <i>Frontiers in Neurology</i> , 2020, 11, 738. | 2.4 | 17 |
| 8 | Modulation of vestibular-evoked responses prior to simple and complex arm movements. <i>Experimental Brain Research</i> , 2020, 238, 869-881. | 1.5 | 3 |
| 9 | Characterizing symptoms of traumatic brain injury in survivors of intimate partner violence. <i>Brain Injury</i> , 2019, 33, 1529-1538. | 1.2 | 39 |
| 10 | The Time Course of Motoneuronal Excitability during the Preparation of Complex Movements. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 781-790. | 2.3 | 2 |
| 11 | Corticospinal excitability is enhanced while preparing for complex movements. <i>Experimental Brain Research</i> , 2019, 237, 829-837. | 1.5 | 8 |
| 12 | Imaging in Pediatric Concussion: A Systematic Review. <i>Pediatrics</i> , 2018, 141, . | 2.1 | 35 |
| 13 | Cerebral Autoregulation Is Disrupted Following a Season of Contact Sports Participation. <i>Frontiers in Neurology</i> , 2018, 9, 868. | 2.4 | 15 |
| 14 | Heading in soccer increases serum neurofilament light protein and SCAT3 symptom metrics. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000433. | 2.9 | 58 |
| 15 | No change in plasma tau and serum neurofilament light concentrations in adolescent athletes following sport-related concussion. <i>PLoS ONE</i> , 2018, 13, e0206466. | 2.5 | 31 |
| 16 | Anticipatory postural adjustments as a function of response complexity in simple reaction time tasks. <i>Neuroscience Letters</i> , 2018, 684, 1-5. | 2.1 | 8 |
| 17 | Sport-Related Concussion Alters Indices of Dynamic Cerebral Autoregulation. <i>Frontiers in Neurology</i> , 2018, 9, 196. | 2.4 | 53 |
| 18 | Systolic and Diastolic Regulation of the Cerebral Pressure-Flow Relationship Differentially Affected by Acute Sport-Related Concussion. <i>Acta Neurochirurgica Supplementum</i> , 2018, 126, 303-308. | 1.0 | 23 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | A Prospective Transcranial Doppler Ultrasound-Based Evaluation of the Acute and Cumulative Effects of Sport-Related Concussion on Neurovascular Coupling Response Dynamics. <i>Journal of Neurotrauma</i> , 2017, 34, 3097-3106. | 3.4 | 41 |
| 20 | Motor Planning Influences the Perceived Timing of Vibrotactile Stimuli in an Amplitude-Dependent Manner. <i>Journal of Motor Behavior</i> , 2017, 49, 172-178. | 0.9 | 1 |
| 21 | The potential for animal models to provide insight into mild traumatic brain injury: Translational challenges and strategies. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 76, 396-414. | 6.1 | 125 |
| 22 | Where â€™s Waldo ? The utility of a complicated visual search paradigm for transcranial Doppler-based assessments of neurovascular coupling. <i>Journal of Neuroscience Methods</i> , 2016, 270, 92-101. | 2.5 | 31 |
| 23 | Myelin Water Fraction Is Transiently Reduced after a Single Mild Traumatic Brain Injury â€“ A Prospective Cohort Study in Collegiate Hockey Players. <i>PLoS ONE</i> , 2016, 11, e0150215. | 2.5 | 80 |
| 24 | Distracting visuospatial attention while approaching an obstacle reduces the toe-obstacle clearance. <i>Experimental Brain Research</i> , 2015, 233, 1137-1144. | 1.5 | 15 |
| 25 | Cerebrovascular reactivity assessed by transcranial Doppler ultrasound in sport-related concussion: a systematic review. <i>British Journal of Sports Medicine</i> , 2015, 49, 1050-1055. | 6.7 | 39 |
| 26 | Executive Dysfunction Assessed with a Task-Switching Task following Concussion. <i>PLoS ONE</i> , 2014, 9, e91379. | 2.5 | 30 |
| 27 | Tactile gating in a reaching and grasping task. <i>Physiological Reports</i> , 2014, 2, e00267. | 1.7 | 37 |
| 28 | Hand position-dependent modulation of errors in vibrotactile temporal order judgments: the effects of transcranial magnetic stimulation to the human posterior parietal cortex. <i>Experimental Brain Research</i> , 2014, 232, 1689-98. | 1.5 | 6 |
| 29 | Effects of Concussion on Attention and Executive Function in Adolescents. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1030-1037. | 0.4 | 140 |
| 30 | Development of postural control during gait in typically developing children: The effects of dual-task conditions. <i>Gait and Posture</i> , 2012, 35, 428-434. | 1.4 | 63 |
| 31 | Expectations can modulate the frequency and timing of multiple saccades: a TMS study. <i>Experimental Brain Research</i> , 2012, 221, 51-58. | 1.5 | 1 |
| 32 | The effects of attention capacity on dynamic balance control following concussion. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 8. | 4.6 | 68 |
| 33 | Predicting Future Sensorimotor States Influences Current Temporal Decision Making. <i>Journal of Neuroscience</i> , 2011, 31, 10019-10022. | 3.6 | 35 |
| 34 | Human Supplementary Motor Area Contribution to Predictive Motor Planning. <i>Journal of Motor Behavior</i> , 2011, 43, 303-309. | 0.9 | 52 |
| 35 | Head stability during quiet sitting in children with cerebral palsy: effect of vision and trunk support. <i>Experimental Brain Research</i> , 2010, 201, 13-23. | 1.5 | 64 |
| 36 | The Human Frontal Oculomotor Cortical Areas Contribute Asymmetrically to Motor Planning in a Gap Saccade Task. <i>PLoS ONE</i> , 2009, 4, e7278. | 2.5 | 8 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Attentional mechanisms contributing to balance constraints during gait: The effects of balance impairments. <i>Brain Research</i> , 2009, 1248, 59-67. | 2.2 | 47 |
| 38 | Eye hand coordination in children with cerebral palsy. <i>Experimental Brain Research</i> , 2009, 192, 155-165. | 1.5 | 67 |
| 39 | Spatial orientation of attention and obstacle avoidance following concussion. <i>Experimental Brain Research</i> , 2009, 194, 67-77. | 1.5 | 56 |
| 40 | Different gait tasks distinguish immediate vs. long-term effects of concussion on balance control. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2009, 6, 25. | 4.6 | 88 |
| 41 | Effects of Single-Task Versus Dual-Task Training on Balance Performance in Older Adults: A Double-Blind, Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 381-387. | 0.9 | 310 |
| 42 | Effects of a secondary task on obstacle avoidance in healthy young adults. <i>Experimental Brain Research</i> , 2008, 184, 115-120. | 1.5 | 65 |
| 43 | Balance control during gait in athletes and non-athletes following concussion. <i>Medical Engineering and Physics</i> , 2008, 30, 959-967. | 1.7 | 80 |
| 44 | The Interaction Between Executive Attention and Postural Control in Dual-Task Conditions: Children With Cerebral Palsy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 834-842. | 0.9 | 65 |
| 45 | Dual-task interference during obstacle clearance in healthy and balance-impaired older adults. <i>Aging Clinical and Experimental Research</i> , 2008, 20, 349-354. | 2.9 | 47 |
| 46 | Interaction Between the Development of Postural Control and the Executive Function of Attention. <i>Journal of Motor Behavior</i> , 2008, 40, 90-102. | 0.9 | 43 |
| 47 | The Contribution of the Human FEF and SEF to Smooth Pursuit Initiation. <i>Cerebral Cortex</i> , 2007, 17, 2618-2624. | 2.9 | 19 |
| 48 | Recovery of cognitive and dynamic motor function following concussion. <i>British Journal of Sports Medicine</i> , 2007, 41, 868-873. | 6.7 | 101 |
| 49 | Altered balance control following concussion is better detected with an attention test during gait. <i>Gait and Posture</i> , 2007, 25, 406-411. | 1.4 | 101 |
| 50 | Attentional disengagement dysfunction following mTBI assessed with the gap saccade task. <i>Neuroscience Letters</i> , 2007, 417, 61-65. | 2.1 | 49 |
| 51 | Shoulder Joint Position Sense Improves With External Load. <i>Journal of Motor Behavior</i> , 2007, 39, 517-525. | 0.9 | 48 |
| 52 | Multiple Saccades Are More Automatic Than Single Saccades. <i>Journal of Neurophysiology</i> , 2007, 97, 3148-3151. | 1.8 | 20 |
| 53 | Cancelling planned actions following mild traumatic brain injury. <i>Neuropsychologia</i> , 2007, 45, 406-411. | 1.6 | 20 |
| 54 | Cognitive task effects on gait stability following concussion. <i>Experimental Brain Research</i> , 2007, 176, 23-31. | 1.5 | 140 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | The contribution of the human PPC to the orienting of visuospatial attention during smooth pursuit. <i>Experimental Brain Research</i> , 2007, 179, 65-73. | 1.5 | 5 |
| 56 | Effects of postural support on eye hand interactions across development. <i>Experimental Brain Research</i> , 2007, 180, 557-567. | 1.5 | 11 |
| 57 | Attentional and Biomechanical Deficits Interact After Mild Traumatic Brain Injury. <i>Exercise and Sport Sciences Reviews</i> , 2006, 34, 77-82. | 3.0 | 30 |
| 58 | The influence of mild traumatic brain injury on the temporal distribution of attention. <i>Experimental Brain Research</i> , 2006, 174, 361-366. | 1.5 | 12 |
| 59 | Shoulder joint position sense improves with elevation angle in a novel, unconstrained task. <i>Journal of Orthopaedic Research</i> , 2006, 24, 559-568. | 2.3 | 56 |
| 60 | Gait Stability following Concussion. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1032-1040. | 0.4 | 178 |
| 61 | Tracking the recovery of visuospatial attention deficits in mild traumatic brain injury. <i>Brain</i> , 2006, 129, 747-753. | 7.6 | 142 |
| 62 | Gaze-Dependent Deviation in Pointing Induced by Transcranial Magnetic Stimulation Over the Human Posterior Parietal Cortex. <i>Journal of Motor Behavior</i> , 2005, 37, 157-163. | 0.9 | 14 |
| 63 | The effect of divided attention on gait stability following concussion. <i>Clinical Biomechanics</i> , 2005, 20, 389-395. | 1.2 | 126 |
| 64 | Further evidence for, and some against, a planningâ€“control dissociation. <i>Behavioral and Brain Sciences</i> , 2004, 27, . | 0.7 | 0 |
| 65 | Saccadic Output Is Influenced by Limb Kinetics During Eyeâ€“Hand Coordination. <i>Journal of Motor Behavior</i> , 2004, 36, 245-252. | 0.9 | 37 |
| 66 | Cortical frames of reference for eye-hand coordination. <i>Progress in Brain Research</i> , 2002, 140, 301-310. | 1.4 | 9 |
| 67 | The allocation of attention during smooth pursuit eye movements. <i>Progress in Brain Research</i> , 2002, 140, 267-277. | 1.4 | 70 |
| 68 | Craniotopic updating of visual space across saccades in the human posterior parietal cortex. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 735-739. | 2.6 | 40 |
| 69 | Eyeâ€“hand interactions differ in the human premotor and parietal cortices. <i>Human Movement Science</i> , 2002, 21, 65-74. | 1.4 | 14 |
| 70 | Dorsal and ventral visual stream contributions to perception-action interactions during pointing. <i>Experimental Brain Research</i> , 2002, 143, 440-446. | 1.5 | 78 |
| 71 | Eye-hand coordination to visual versus remembered targets. <i>Experimental Brain Research</i> , 2000, 133, 414-418. | 1.5 | 44 |
| 72 | Transcranial Magnetic Stimulation Disrupts Eye-Hand Interactions in the Posterior Parietal Cortex. <i>Journal of Neurophysiology</i> , 2000, 84, 1677-1680. | 1.8 | 60 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Pointing movements are affected by size-contrast illusions. <i>Experimental Brain Research</i> , 1999, 125, 517-520. | 1.5 | 127 |
| 74 | Spatiotemporal modulation of attention during smooth pursuit eye movements. <i>NeuroReport</i> , 1999, 10, 2523-2526. | 1.2 | 44 |
| 75 | Saccade amplitude influences pointing movement kinematics. <i>NeuroReport</i> , 1998, 9, 2015-2018. | 1.2 | 20 |
| 76 | Response preparation and control of movement sequences.. <i>Canadian Journal of Experimental Psychology</i> , 1998, 52, 93-102. | 0.8 | 12 |
| 77 | Eye-hand interactions during goal-directed pointing movements. <i>NeuroReport</i> , 1997, 8, 2139-2142. | 1.2 | 64 |
| 78 | The preparation and initiation of simple rhythmical patterns. <i>Human Movement Science</i> , 1991, 10, 629-651. | 1.4 | 5 |
| 79 | Preprogramming vs. on-line control in simple movement sequences. <i>Acta Psychologica</i> , 1991, 77, 1-19. | 1.5 | 79 |
| 80 | The effects of demanding temporal accuracy on the programming of simple tapping sequences. <i>Acta Psychologica</i> , 1990, 74, 1-14. | 1.5 | 19 |
| 81 | A comparison of directly recorded and derived acceleration data in movement control research. <i>Human Movement Science</i> , 1990, 9, 573-582. | 1.4 | 16 |