

Hannes Devos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6632199/publications.pdf>

Version: 2024-02-01

121
papers

1,973
citations

257450

24
h-index

302126

39
g-index

130
all docs

130
docs citations

130
times ranked

2139
citing authors

#	ARTICLE	IF	CITATIONS
1	Frailty and Falls in People Living With Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2022, 103, 952-957.	0.9	6
2	An intensive exercise-based training program reduces prefrontal activity during usual walking in patients with Parkinson's disease. Clinical Parkinsonism & Related Disorders, 2022, 6, 100128.	0.9	4
3	Increased prefrontal activity during usual walking in aging. International Journal of Psychophysiology, 2022, 174, 9-16.	1.0	6
4	EEG/ERP evidence of possible hyperexcitability in older adults with elevated beta-amyloid. Translational Neurodegeneration, 2022, 11, 8.	8.0	12
5	Challenging the Vestibular System Results in Slower Gait Speed in People With Persistent Symptoms After Mild Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2022, 103, e31.	0.9	0
6	Cognitive workload during verbal abstract reasoning in Parkinson's disease: a pilot study. International Journal of Neuroscience, 2021, 131, 504-510.	1.6	3
7	Slowed driving-reaction time following concussion-symptom resolution. Journal of Sport and Health Science, 2021, 10, 145-153.	6.5	17
8	Real-time assessment of daytime sleepiness in drivers with multiple sclerosis. Multiple Sclerosis and Related Disorders, 2021, 47, 102607.	2.0	9
9	Reliability and Validity of Pupillary Response During Dual-Task Balance in Parkinson Disease. Archives of Physical Medicine and Rehabilitation, 2021, 102, 448-455.	0.9	9
10	Concussion symptoms experienced during driving may influence driving habits. Brain Injury, 2021, 35, 59-64.	1.2	5
11	Exercise interventions for older adults with Alzheimer's disease: a systematic review and meta-analysis protocol. Systematic Reviews, 2021, 10, 6.	5.3	8
12	Driving After Stroke. , 2021, , 243-260.		2
13	Pupillary Response to Postural Demand in Parkinson's Disease. Frontiers in Bioengineering and Biotechnology, 2021, 9, 617028.	4.1	6
14	Visual-Vestibular Deficits Contribute to Poorer Functional Mobility and Higher Symptom Severity in Adults with Persistent Symptoms After a Mild Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2021, 102, e19.	0.9	0
15	Effectiveness of Brain Gaming in Older Adults With Cognitive Impairments: A Systematic Review and Meta-Analysis. Journal of the American Medical Directors Association, 2021, 22, 2281-2288.e5.	2.5	12
16	Proof-of-Concept of the Virtual Reality Comprehensive Balance Assessment and Training for Sensory Organization of Dynamic Postural Control. Frontiers in Bioengineering and Biotechnology, 2021, 9, 678006.	4.1	9
17	Oculomotor Deficits and Symptom Severity Are Associated With Poorer Dynamic Mobility in Chronic Mild Traumatic Brain Injury. Frontiers in Neurology, 2021, 12, 642457.	2.4	5
18	Evaluating driver comprehension of the roadway environment to retain accountability of safety during driving automation. Transportation Research Part F: Traffic Psychology and Behaviour, 2021, 81, 457-471.	3.7	3

#	ARTICLE	IF	CITATIONS
19	The Impact of Task Difficulty on Driving Performance in Preclinical Alzheimer's Disease (AD): A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2021, 102, e74.	0.9	0
20	The relationship between hippocampal volume and P3 event-related potential in cognitively normal older adults without and with elevated amyloid: A pilot study. Alzheimer's and Dementia, 2021, 17, .	0.8	0
21	The relationship between beta-amyloid accumulation and P3 event-related potential in older adults: A pilot study. Alzheimer's and Dementia, 2021, 17, .	0.8	1
22	Visual search and target detection during simulated driving in Parkinson's disease. Accident Analysis and Prevention, 2020, 134, 105328.	5.7	8
23	Driving in Parkinson Disease. Clinics in Geriatric Medicine, 2020, 36, 141-148.	2.6	11
24	Cognitive performance and cognitive workload in multiple sclerosis: Two different constructs of cognitive functioning?. Multiple Sclerosis and Related Disorders, 2020, 38, 101505.	2.0	6
25	Reliability of P3 Event-Related Potential During Working Memory Across the Spectrum of Cognitive Aging. Frontiers in Aging Neuroscience, 2020, 12, 566391.	3.4	11
26	Gaze stability in young adults with previous concussion history. Journal of Vestibular Research: Equilibrium and Orientation, 2020, 30, 259-266.	2.0	5
27	Vision Problems in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2020, 101, 2263-2265.	0.9	1
28	The Relationship Between Cognitive Reserve and Cognitive Workload in Older Adults with and Without Pre-clinical Alzheimer's Disease: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2020, 101, e9-e10.	0.9	0
29	The Relationship Between Subjective and Objective Measures of Cognitive Workload in Older Adults with and Without Preclinical Alzheimer's Disease. Archives of Physical Medicine and Rehabilitation, 2020, 101, e10.	0.9	0
30	Machine Learning Classification of Parkinson's Disease and Essential Tremor Using Wearable Sensors. Archives of Physical Medicine and Rehabilitation, 2020, 101, e44.	0.9	0
31	A Comprehensive Virtual Reality Balance Assessment for Parkinson's Disease. Archives of Physical Medicine and Rehabilitation, 2020, 101, e45.	0.9	0
32	Effectiveness of Brain Gaming in Older Adults with Mild Cognitive Impairment or Dementia: A Systematic Review and Meta-analysis. Archives of Physical Medicine and Rehabilitation, 2020, 101, e114.	0.9	0
33	A multi-modal virtual reality treadmill intervention for enhancing mobility and cognitive function in people with multiple sclerosis: Protocol for a randomized controlled trial. Contemporary Clinical Trials, 2020, 97, 106122.	1.8	14
34	Classification of Parkinson's disease and essential tremor based on balance and gait characteristics from wearable motion sensors via machine learning techniques: a data-driven approach. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 125.	4.6	68
35	Changes in Prefrontal Cortical Activity During Walking and Cognitive Functions Among Patients With Parkinson's Disease. Frontiers in Neurology, 2020, 11, 601686.	2.4	29
36	Psychometric Properties of NASA-TLX and Index of Cognitive Activity as Measures of Cognitive Workload in Older Adults. Brain Sciences, 2020, 10, 994.	2.3	24

#	ARTICLE	IF	CITATIONS
37	Artificial neural networks in neurorehabilitation: A scoping review. <i>NeuroRehabilitation</i> , 2020, 46, 259-269.	1.3	12
38	Pilot Feasibility Study Examining Pupillary Response During Driving Simulation as a Measure of Cognitive Load in Breast Cancer Survivors. <i>Oncology Nursing Forum</i> , 2020, 47, 203-212.	1.2	4
39	A wearable sensor identifies alterations in community ambulation in multiple sclerosis: contributors to real-world gait quality and physical activity. <i>Journal of Neurology</i> , 2020, 267, 1912-1921.	3.6	46
40	Falls Risk and Alzheimer Disease: A Patient Guide. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020, 101, 931-935.	0.9	1
41	Brain Games for Dementia: Do They Help?. <i>Innovation in Aging</i> , 2020, 4, 775-775.	0.1	0
42	Driving Reaction Time Versus Computerized Reaction Time Deficits Following Concussion: Implications for Return to Driving Recommendations. <i>Neurology</i> , 2020, 95, .	1.1	0
43	Pupillary response: cognitive effort for breast cancer survivors. <i>Supportive Care in Cancer</i> , 2019, 27, 1121-1128.	2.2	6
44	Brain activity during dual task gait and balance in aging and age-related neurodegenerative conditions: A systematic review. <i>Experimental Gerontology</i> , 2019, 128, 110756.	2.8	43
45	Scoping Review on Artificial Neural Networks in Neurorehabilitation Research: Current Status and Future Avenues. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, e119.	0.9	0
46	The "Eyes" Have It: Greater Pupillary Response During Cognitive Tasks in Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, e29.	0.9	0
47	Post-concussion Driving Management Practices Among Certified Athletic Trainers. <i>Archives of Clinical Neuropsychology</i> , 2019, 34, 787-787.	0.5	0
48	Post-concussion driving management among athletic trainers. <i>Brain Injury</i> , 2019, 33, 1652-1659.	1.2	9
49	Driving Rehabilitation. , 2019, , 225-233.		0
50	Classification of Mild Stroke: A Mapping Review. <i>PM and R</i> , 2019, 11, 996-1003.	1.6	8
51	Validation of Pupillary Response Against EEG during Dual-Tasking Postural Control. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, e142.	0.9	3
52	Gaze Stability Deficits Persist Long After Concussion Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, e81.	0.9	0
53	Nonimmersive Brain Gaming for Older Adults With Cognitive Impairment: A Scoping Review. <i>Gerontologist</i> , The, 2019, 59, e764-e781.	3.9	14
54	The Impact of Advanced Age on Driving Safety in Adults with Medical Conditions. <i>Gerontology</i> , 2018, 64, 291-299.	2.8	18

#	ARTICLE	IF	CITATIONS
55	Interdisciplinary Approaches to Facilitate Return to Driving and Return to Work in Mild Stroke: A Position Paper. Archives of Physical Medicine and Rehabilitation, 2018, 99, 2378-2388.	0.9	20
56	The Eyes as a Window to Understanding Abstract Reasoning in Parkinson's Disease. Archives of Physical Medicine and Rehabilitation, 2018, 99, e215.	0.9	0
57	Driving Performance Deficits Despite Concussion Symptom Resolution: A Case Report. International Journal of Athletic Therapy and Training, 2018, 23, 21-26.	0.2	2
58	Performance-based visual field testing for drivers with glaucoma: A pilot study. Traffic Injury Prevention, 2018, 19, 715-721.	1.4	8
59	Post-Concussion Driving Behaviors and Opinions: A Survey of Collegiate Student-Athletes. Journal of Neurotrauma, 2018, 35, 2418-2424.	3.4	17
60	Validation of a short cognitive battery to screen for fitness-to-drive of people with multiple sclerosis. European Journal of Neurology, 2018, 25, 1250-1254.	3.3	8
61	Increased Postural Demand Is Associated With Greater Cognitive Workload in Healthy Young Adults: A Pupillometry Study. Frontiers in Human Neuroscience, 2018, 12, 288.	2.0	24
62	Pupillary Response to Cognitive Demand in Parkinson's Disease: A Pilot Study. Frontiers in Aging Neuroscience, 2018, 10, 90.	3.4	10
63	Driving After Mild Stroke. Archives of Physical Medicine and Rehabilitation, 2018, 99, 1935-1937.	0.9	2
64	Fitness-to-drive Disagreements in Individuals With Dementia. Gerontologist, The, 2017, 57, gnw119.	3.9	11
65	Determinants of On-Road Driving in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2017, 98, 1332-1338.e2.	0.9	21
66	Emulation of Physician Tasks in Eye-Tracked Virtual Reality for Remote Diagnosis of Neurodegenerative Disease. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 1302-1311.	4.4	45
67	Pupillary response to cognitive workload during saccadic tasks in Parkinson's disease. Behavioural Brain Research, 2017, 327, 162-166.	2.2	22
68	Driving after Concussion: Is It Safe To Drive after Symptoms Resolve?. Journal of Neurotrauma, 2017, 34, 1571-1578.	3.4	32
69	Effect of Cognitive Demand on Visual Field Performance in Senior Drivers With Glaucoma. Archives of Physical Medicine and Rehabilitation, 2017, 98, e57.	0.9	0
70	Task Evoked Pupillary Response Reflects Task Complexity in Parkinson's Disease: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2017, 98, e114.	0.9	0
71	Comparative Analysis of Unsafe Driving Risk in Medical Conditions. Archives of Physical Medicine and Rehabilitation, 2017, 98, e46.	0.9	0
72	Comparison of Unsafe Driving Across Medical Conditions. Mayo Clinic Proceedings, 2017, 92, 1341-1350.	3.0	11

#	ARTICLE	IF	CITATIONS
73	Cognitive workload across the spectrum of cognitive impairments: A systematic review of physiological measures. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 516-537.	6.1	49
74	Driving after concussion: is it safe to drive after symptoms resolve?. <i>British Journal of Sports Medicine</i> , 2017, 51, A51.1-A51.	6.7	0
75	Effect of Cognitive Demand on Functional Visual Field Performance in Senior Drivers with Glaucoma. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 286.	3.4	18
76	Determinants of Performance on Specific On-Road Skills in Multiple Sclerosis. , 2017, , .		0
77	Fitness-to-drive agreements after stroke: medical versus practical recommendations. <i>European Journal of Neurology</i> , 2016, 23, 1408-1414.	3.3	13
78	Comorbidity in Drivers with Parkinson's Disease. <i>Journal of the American Geriatrics Society</i> , 2016, 64, 342-346.	2.6	5
79	Visual Search of Road Signs In Parkinson's Disease: A Pilot Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, e7-e8.	0.9	0
80	Establishing a Framework for Driving Rehabilitation in Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, e4-e5.	0.9	0
81	Fitness-to-Drive Agreements after Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, e8.	0.9	0
82	Fitness-to-Drive Disagreements in Patients with Dementia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, e8.	0.9	0
83	Relationship Between Fall Risk and Driving Performance in Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, e118.	0.9	1
84	Use of a driving simulator to improve on-road driving performance and cognition in persons with Parkinson's disease: A pilot study. <i>Australian Occupational Therapy Journal</i> , 2016, 63, 408-414.	1.1	14
85	Exploring the association between working memory and driving performance in Parkinson's disease. <i>Traffic Injury Prevention</i> , 2016, 17, 359-366.	1.4	9
86	Establishing an evidence-base framework for driving rehabilitation in Parkinson's disease: A systematic review of on-road driving studies. <i>NeuroRehabilitation</i> , 2015, 37, 35-52.	1.3	32
87	Association between site of lesion and driving performance after ischemic stroke. <i>Topics in Stroke Rehabilitation</i> , 2015, 22, 246-252.	1.9	11
88	Agreement Between Physician's Recommendation and Fitness-to-Drive Decision in Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 1840-1844.	0.9	16
89	Decisions About Driving for Persons With Neurodegenerative Conditions. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 767-768.	0.9	0
90	A shortened version of the Dementia Drivers' Screening Assessment. <i>International Journal of Therapy and Rehabilitation</i> , 2014, 21, 268-273.	0.3	2

#	ARTICLE	IF	CITATIONS
91	On-road driving impairments in Huntington disease. <i>Neurology</i> , 2014, 82, 956-962.	1.1	17
92	On-Road Driving Impairments and Associated Cognitive Deficits After Stroke. <i>Cerebrovascular Diseases</i> , 2014, 38, 226-232.	1.7	26
93	Long-term prediction of functional outcome after stroke using single items of the Barthel Index at discharge from rehabilitation centre. <i>Disability and Rehabilitation</i> , 2014, 36, 353-358.	1.8	31
94	Improvement of Driving Skills in Persons With Relapsing-Remitting Multiple Sclerosis: A Pilot Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 531-537.	0.9	16
95	Effects of deep brain stimulation of the subthalamic nucleus on freezing of gait in Parkinson's disease: a prospective controlled study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 871-877.	1.9	100
96	Rehabilitation for improving automobile driving after stroke. <i>The Cochrane Library</i> , 2014, , CD008357.	2.8	27
97	Screening tools for fitness to drive after traumatic brain injury and stroke. <i>European Journal of Neurology</i> , 2013, 20, 1225-1226.	3.3	4
98	Driving performance in persons with mild to moderate symptoms of multiple sclerosis. <i>Disability and Rehabilitation</i> , 2013, 35, 1387-1393.	1.8	21
99	Predictors of driving in individuals with relapsingâumlremitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013, 19, 344-350.	3.0	31
100	Validation of a screening battery to predict driving fitness in people with Parkinson's disease. <i>Movement Disorders</i> , 2013, 28, 671-674.	3.9	25
101	Driving and offâumlroad impairments underlying failure on road testing in Parkinson's disease. <i>Movement Disorders</i> , 2013, 28, 1949-1956.	3.9	44
102	Validation of Driving Simulation to Assess On-Road Performance in Huntington Disease. , 2013, , .		4
103	Determinants of fitness to drive in Huntington disease. <i>Neurology</i> , 2012, 79, 1975-1982.	1.1	30
104	Explaining freezing of gait in Parkinson's disease: Motor and cognitive determinants. <i>Movement Disorders</i> , 2012, 27, 1644-1651.	3.9	80
105	Shifting up a Gear: Considerations on Assessment and Rehabilitation of Driving in People with Neurological Conditions. An Extended Editorial. <i>Physiotherapy Research International</i> , 2012, 17, 125-131.	1.5	20
106	Five-year mortality and related prognostic factors after inpatient stroke rehabilitation: A European multi-centre study. <i>Journal of Rehabilitation Medicine</i> , 2012, 44, 547-552.	1.1	36
107	Emerging evidence that older driver retraining can improve knowledge and onâumlroad driving skills. <i>Australian Occupational Therapy Journal</i> , 2012, 59, 103-104.	1.1	0
108	Screening for fitness to drive after stroke. <i>Neurology</i> , 2011, 76, 747-756.	1.1	120

#	ARTICLE	IF	CITATIONS
109	Effect of Simulator Training on Fitness-to-Drive After Stroke: A 5-Year Follow-up of a Randomized Controlled Trial. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 843-850.	2.9	32
110	Retraining Moderately Impaired Stroke Survivors in Driving-Related Visual Attention Skills. <i>Topics in Stroke Rehabilitation</i> , 2010, 17, 328-336.	1.9	35
111	11 Autorijden na een beroerte. , 2010, , 177-188.		0
112	Comparison of the Effect of Two Driving Retraining Programs on On-Road Performance After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2009, 23, 699-705.	2.9	72
113	Time Course of Trunk, Arm, Leg, and Functional Recovery After Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2008, 22, 173-179.	2.9	197
114	Confirmation of the accuracy of a short battery to predict fitness-to-drive of stroke survivors without severe deficits. <i>Acta Dermato-Venereologica</i> , 2007, 39, 698-702.	1.3	26
115	Predictors of fitness to drive in people with Parkinson disease. <i>Neurology</i> , 2007, 69, 1434-1441.	1.1	96
116	Training of Driving-Related Attentional Performance After Stroke Using a Driving Simulator. , 2007, , .		2
117	Short and Predictive Assessment Battery of Fitness-to-Drive After Stroke. , 2007, , .		0
118	Technology and Research. <i>Merrill Series on the Research Mission of Public Universities</i> , 0, , 29-34.	0.0	0
119	Using a Driving Simulator to Create a Visual Search Test for Drivers with Parkinson's Disease. , 0, , .		0
120	Challenging the Vestibular System Affects Gait Speed and Cognitive Workload in Chronic Mild Traumatic Brain Injury and Healthy Adults. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	2
121	Designing a Reminders System in Highly Automated Vehiclesâ€™ Interfaces for Individuals With Mild Cognitive Impairment. <i>Frontiers in Future Transportation</i> , 0, 3, .	1.8	4