Hannes Devos

List of Publications by Year
in descending order

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

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121	1,973	257450	302126
papers	citations	24 h-index	39 g-index

130	130	130	2139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time Course of Trunk, Arm, Leg, and Functional Recovery After Ischemic Stroke. Neurorehabilitation and Neural Repair, 2008, 22, 173-179.	2.9	197
2	Screening for fitness to drive after stroke. Neurology, 2011, 76, 747-756.	1.1	120
3	Effects of deep brain stimulation of the subthalamic nucleus on freezing of gait in Parkinson's disease: a prospective controlled study. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 871-877.	1.9	100
4	Predictors of fitness to drive in people with Parkinson disease. Neurology, 2007, 69, 1434-1441.	1.1	96
5	Explaining freezing of gait in Parkinson's disease: Motor and cognitive determinants. Movement Disorders, 2012, 27, 1644-1651.	3.9	80
6	Comparison of the Effect of Two Driving Retraining Programs on On-Road Performance After Stroke. Neurorehabilitation and Neural Repair, 2009, 23, 699-705.	2.9	72
7	Classification of Parkinsonâ€™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
8	Cognitive workload across the spectrum of cognitive impairments: A systematic review of physiological measures. Neuroscience and Biobehavioral Reviews, 2017, 80, 516-537.	6.1	49
9	A wearable sensor identifies alterations in community ambulation in multiple sclerosis: contributors to real-world gait quality and physical activity. Journal of Neurology, 2020, 267, 1912-1921.	3.6	46
10	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
11	Driving and offâ€road impairments underlying failure on road testing in Parkinson's disease. Movement Disorders, 2013, 28, 1949-1956.	3.9	44
12	Brain activity during dual task gait and balance in aging and age-related neurodegenerative conditions: A systematic review. Experimental Gerontology, 2019, 128, 110756.	2.8	43
13	Five-year mortality and related prognostic factors after inpatient stroke rehabilitation: A European multi-centre study. Journal of Rehabilitation Medicine, 2012, 44, 547-552.	1.1	36
14	Retraining Moderately Impaired Stroke Survivors in Driving-Related Visual Attention Skills. Topics in Stroke Rehabilitation, 2010, 17, 328-336.	1.9	35
15	Effect of Simulator Training on Fitness-to-Drive After Stroke: A 5-Year Follow-up of a Randomized Controlled Trial. Neurorehabilitation and Neural Repair, 2010, 24, 843-850.	2.9	32
16	Establishing an evidence-base framework for driving rehabilitation in Parkinsonâ€™s disease: A systematic review of on-road driving studies. NeuroRehabilitation, 2015, 37, 35-52.	1.3	32
17	Driving after Concussion: Is It Safe To Drive after Symptoms Resolve?. Journal of Neurotrauma, 2017, 34, 1571-1578.	3.4	32
18	Predictors of driving in individuals with relapsingâ€“remitting multiple sclerosis. Multiple Sclerosis Journal, 2013, 19, 344-350.	3.0	31

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19	Long-term prediction of functional outcome after stroke using single items of the Barthel Index at discharge from rehabilitation centre. Disability and Rehabilitation, 2014, 36, 353-358.	1.8	31
20	Determinants of fitness to drive in Huntington disease. Neurology, 2012, 79, 1975-1982.	1.1	30
21	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
22	Rehabilitation for improving automobile driving after stroke. The Cochrane Library, 2014, , CD008357.	2.8	27
23	Confirmation of the accuracy of a short battery to predict fitness-to-drive of stroke survivors without severe deficits. Acta Dermato-Venereologica, 2007, 39, 698-702.	1.3	26
24	On-Road Driving Impairments and Associated Cognitive Deficits After Stroke. Cerebrovascular Diseases, 2014, 38, 226-232.	1.7	26
25	Validation of a screening battery to predict driving fitness in people with Parkinson's disease. Movement Disorders, 2013, 28, 671-674.	3.9	25
26	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
27	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
28	Pupillary response to cognitive workload during saccadic tasks in Parkinsonâ€™s disease. Behavioural Brain Research, 2017, 327, 162-166.	2.2	22
29	Driving performance in persons with mild to moderate symptoms of multiple sclerosis. Disability and Rehabilitation, 2013, 35, 1387-1393.	1.8	21
30	Determinants of On-Road Driving in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2017, 98, 1332-1338.e2.	0.9	21
31	Shifting up a Gear: Considerations on Assessment and Rehabilitation of Driving in People with Neurological Conditions. An Extended Editorial. Physiotherapy Research International, 2012, 17, 125-131.	1.5	20
32	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
33	Effect of Cognitive Demand on Functional Visual Field Performance in Senior Drivers with Glaucoma. Frontiers in Aging Neuroscience, 2017, 9, 286.	3.4	18
34	The Impact of Advanced Age on Driving Safety in Adults with Medical Conditions. Gerontology, 2018, 64, 291-299.	2.8	18
35	On-road driving impairments in Huntington disease. Neurology, 2014, 82, 956-962.	1.1	17
36	Post-Concussion Driving Behaviors and Opinions: A Survey of Collegiate Student-Athletes. Journal of Neurotrauma, 2018, 35, 2418-2424.	3.4	17

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37	Slowed driving-reaction time following concussion-symptom resolution. Journal of Sport and Health Science, 2021, 10, 145-153.	6.5	17
38	Improvement of Driving Skills in Persons With Relapsing-Remitting Multiple Sclerosis: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2014, 95, 531-537.	0.9	16
39	Agreement Between Physician's Recommendation and Fitness-to-Drive Decision in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2015, 96, 1840-1844.	0.9	16
40	Use of a driving simulator to improve onâ€road driving performance and cognition in persons with <scp>P</scp>arkinson's disease: A pilot study. Australian Occupational Therapy Journal, 2016, 63, 408-414.	1.1	14
41	Nonimmersive Brain Gaming for Older Adults With Cognitive Impairment: A Scoping Review. Gerontologist, The, 2019, 59, e764-e781.	3.9	14
42	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
43	Fitnessâ€toâ€drive agreements after stroke: medical versus practical recommendations. European Journal of Neurology, 2016, 23, 1408-1414.	3.3	13
44	Artificial neural networks in neurorehabilitation: A scoping review. NeuroRehabilitation, 2020, 46, 259-269.	1.3	12
45	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
46	EEG/ERP evidence of possible hyperexcitability in older adults with elevated beta-amyloid. Translational Neurodegeneration, 2022, 11, 8.	8.0	12
47	Association between site of lesion and driving performance after ischemic stroke. Topics in Stroke Rehabilitation, 2015, 22, 246-252.	1.9	11
48	Fitness-to-drive Disagreements in Individuals With Dementia. Gerontologist, The, 2017, 57, gnw119.	3.9	11
49	Comparison of Unsafe Driving Across Medical Conditions. Mayo Clinic Proceedings, 2017, 92, 1341-1350.	3.0	11
50	Driving in Parkinson Disease. Clinics in Geriatric Medicine, 2020, 36, 141-148.	2.6	11
51	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
52	Pupillary Response to Cognitive Demand in Parkinsonâ€™s Disease: A Pilot Study. Frontiers in Aging Neuroscience, 2018, 10, 90.	3.4	10
53	Exploring the association between working memory and driving performance in Parkinson's disease. Traffic Injury Prevention, 2016, 17, 359-366.	1.4	9
54	Post-concussion driving management among athletic trainers. Brain Injury, 2019, 33, 1652-1659.	1.2	9

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55	Real-time assessment of daytime sleepiness in drivers with multiple sclerosis. Multiple Sclerosis and Related Disorders, 2021, 47, 102607.	2.0	9
56	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
57	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
58	Performance-based visual field testing for drivers with glaucoma: A pilot study. Traffic Injury Prevention, 2018, 19, 715-721.	1.4	8
59	Validation of a short cognitive battery to screen for fitnessâ€toâ€drive of people with multiple sclerosis. European Journal of Neurology, 2018, 25, 1250-1254.	3.3	8
60	Classification of Mild Stroke: A Mapping Review. PM and R, 2019, 11, 996-1003.	1.6	8
61	Visual search and target detection during simulated driving in Parkinsonâ€™s disease. Accident Analysis and Prevention, 2020, 134, 105328.	5.7	8
62	Exercise interventions for older adults with Alzheimerâ€™s disease: a systematic review and meta-analysis protocol. Systematic Reviews, 2021, 10, 6.	5.3	8
63	Pupillary response: cognitive effort for breast cancer survivors. Supportive Care in Cancer, 2019, 27, 1121-1128.	2.2	6
64	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
65	Pupillary Response to Postural Demand in Parkinsonâ€™s Disease. Frontiers in Bioengineering and Biotechnology, 2021, 9, 617028.	4.1	6
66	Frailty and Falls in People Living With Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2022, 103, 952-957.	0.9	6
67	Increased prefrontal activity during usual walking in aging. International Journal of Psychophysiology, 2022, 174, 9-16.	1.0	6
68	Comorbidity in Drivers with Parkinson's Disease. Journal of the American Geriatrics Society, 2016, 64, 342-346.	2.6	5
69	Gaze stability in young adults with previous concussion history. Journal of Vestibular Research: Equilibrium and Orientation, 2020, 30, 259-266.	2.0	5
70	Concussion symptoms experienced during driving may influence driving habits. Brain Injury, 2021, 35, 59-64.	1.2	5
71	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
72	Screening tools for fitness to drive after traumatic brain injury and stroke. European Journal of Neurology, 2013, 20, 1225-1226.	3.3	4

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73	Pilot Feasibility Study Examining Pupillary Response During Driving Simulation as a Measure of Cognitive Load in Breast Cancer Survivors. Oncology Nursing Forum, 2020, 47, 203-212.	1.2	4
74	Validation of Driving Simulation to Assess On-Road Performance in Huntington Disease. , 2013, , .		4
75	An intensive exercise-based training program reduces prefrontal activity during usual walking in patients with Parkinsonâ€™s disease. Clinical Parkinsonism & Related Disorders, 2022, 6, 100128.	0.9	4
76	Designing a Reminders System in Highly Automated Vehiclesâ€™ Interfaces for Individuals With Mild Cognitive Impairment. Frontiers in Future Transportation, 0, 3, .	1.8	4
77	Validation of Pupillary Response Against EEG during Dual-Tasking Postural Control. Archives of Physical Medicine and Rehabilitation, 2019, 100, e142.	0.9	3
78	Cognitive workload during verbal abstract reasoning in Parkinsonâ€™s disease: a pilot study. International Journal of Neuroscience, 2021, 131, 504-510.	1.6	3
79	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
80	A shortened version of the Dementia Driversâ€™ Screening Assessment. International Journal of Therapy and Rehabilitation, 2014, 21, 268-273.	0.3	2
81	Driving Performance Deficits Despite Concussion Symptom Resolution: A Case Report. International Journal of Athletic Therapy and Training, 2018, 23, 21-26.	0.2	2
82	Driving After Mild Stroke. Archives of Physical Medicine and Rehabilitation, 2018, 99, 1935-1937.	0.9	2
83	Driving After Stroke. , 2021, , 243-260.		2
84	Training of Driving-Related Attentional Performance After Stroke Using a Driving Simulator. , 2007, , .		2
85	Challenging the Vestibular System Affects Gait Speed and Cognitive Workload in Chronic Mild Traumatic Brain Injury and Healthy Adults. Frontiers in Neurology, 0, 13, .	2.4	2
86	Relationship Between Fall Risk and Driving Performance in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2016, 97, e118.	0.9	1
87	Vision Problems in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2020, 101, 2263-2265.	0.9	1
88	Falls Risk and Alzheimer Disease: A Patient Guide. Archives of Physical Medicine and Rehabilitation, 2020, 101, 931-935.	0.9	1
89	The relationship between betaâ€amyloid accumulation and P3 eventâ€related potential in older adults: A pilot study. Alzheimer's and Dementia, 2021, 17, .	0.8	1
90	Emerging evidence that older driver retraining can improve knowledge and onâ€road driving skills. Australian Occupational Therapy Journal, 2012, 59, 103-104.	1.1	0

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91	Decisions About Driving for Persons With Neurodegenerative Conditions. Archives of Physical Medicine and Rehabilitation, 2015, 96, 767-768.	0.9	0
92	Visual Search of Road Signs In Parkinsonâ€™s Disease: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2016, 97, e7-e8.	0.9	0
93	Establishing a Framework for Driving Rehabilitation in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2016, 97, e4-e5.	0.9	0
94	Fitness-to-Drive Agreements after Stroke. Archives of Physical Medicine and Rehabilitation, 2016, 97, e8.	0.9	0
95	Fitness-to-Drive Disagreements in Patients with Dementia. Archives of Physical Medicine and Rehabilitation, 2016, 97, e8.	0.9	0
96	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
97	Task Evoked Pupillary Response Reflects Task Complexity in Parkinsonâ€™s Disease: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2017, 98, e114.	0.9	0
98	Comparative Analysis of Unsafe Driving Risk in Medical Conditions. Archives of Physical Medicine and Rehabilitation, 2017, 98, e46.	0.9	0
99	Driving after concussion: is it safe to drive after symptoms resolve?. British Journal of Sports Medicine, 2017, 51, A51.1-A51.	6.7	0
100	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
101	Scoping Review on Artificial Neural Networks in Neurorehabilitation Research: Current Status and Future Avenues. Archives of Physical Medicine and Rehabilitation, 2019, 100, e119.	0.9	0
102	The "Eyes" Have It: Greater Pupillary Response During Cognitive Tasks in Multiple Sclerosis. Archives of Physical Medicine and Rehabilitation, 2019, 100, e29.	0.9	0
103	Post-concussion Driving Management Practices Among Certified Athletic Trainers. Archives of Clinical Neuropsychology, 2019, 34, 787-787.	0.5	0
104	Driving Rehabilitation. , 2019, , 225-233.		0
105	Gaze Stability Deficits Persist Long After Concussion Injury. Archives of Physical Medicine and Rehabilitation, 2019, 100, e81.	0.9	0
106	The Relationship Between Cognitive Reserve and Cognitive Workload in Older Adults with and Without Pre-clinical Alzheimerâ€™s Disease: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2020, 101, e9-e10.	0.9	0
107	The Relationship Between Subjective and Objective Measures of Cognitive Workload in Older Adults with and Without Preclinical Alzheimerâ€™s Disease. Archives of Physical Medicine and Rehabilitation, 2020, 101, e10.	0.9	0
108	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

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109	A Comprehensive Virtual Reality Balance Assessment for Parkinson's Disease. Archives of Physical Medicine and Rehabilitation, 2020, 101, e45.	0.9	0
110	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
111	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
112	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
113	Short and Predictive Assessment Battery of Fitness-to-Drive After Stroke. , 2007, , .		0
114	11 Autorijden na een beroerte. , 2010, , 177-188.		0
115	Technology and Research. Merrill Series on the Research Mission of Public Universities, 0, , 29-34.	0.0	0
116	Determinants of Performance on Specific On-Road Skills in Multiple Sclerosis. , 2017, , .		0
117	Using a Driving Simulator to Create a Visual Search Test for Drivers with Parkinson's Disease. , 0, , .		0
118	Brain Games for Dementia: Do They Help?. Innovation in Aging, 2020, 4, 775-775.	0.1	0
119	Driving Reaction Time Versus Computerized Reaction Time Deficits Following Concussion: Implications for Return to Driving Recommendations. Neurology, 2020, 95, .	1.1	0
120	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
121	The relationship between hippocampal volume and P3 eventâ€related potential in cognitively normal older adults without and with elevated amyloid: A pilot study. Alzheimer's and Dementia, 2021, 17, .	0.8	0