

Hubertus J A Van Hedel

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

648
citations

567281

15
h-index

642732

23
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47
all docs

47
docs citations

47
times ranked

699
citing authors

#	ARTICLE	IF	CITATIONS
1	Construct validity and reliability of the Selective Control Assessment of the Lower Extremity in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 167-172.	2.1	40
2	Robot-assisted gait training might be beneficial for more severely affected children with cerebral palsy. <i>Developmental Neurorehabilitation</i> , 2016, 19, 410-415.	1.1	40
3	The Eating and Drinking Ability Classification System: concurrent validity and reliability in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2018, 60, 611-617.	2.1	38
4	Reliability of timed walking tests and temporo-spatial gait parameters in youths with neurological gait disorders. <i>BMC Neurology</i> , 2016, 16, 15.	1.8	37
5	Advanced Robotic Therapy Integrated Centers (ARTIC): an international collaboration facilitating the application of rehabilitation technologies. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 30.	4.6	37
6	Measurement Properties of Gait-Related Outcomes in Youth With Neuromuscular Diagnoses: A Systematic Review. <i>Physical Therapy</i> , 2014, 94, 1067-1082.	2.4	36
7	Influence of trunk control and lower extremity impairments on gait capacity in children with cerebral palsy. <i>Disability and Rehabilitation</i> , 2018, 40, 3164-3170.	1.8	35
8	Weight-supported training of the upper extremity in children with cerebral palsy: a motor learning study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017, 14, 87.	4.6	32
9	Balance, gait, and falls in spinal cord injury. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018, 159, 367-384.	1.8	29
10	Measuring change in gait performance of children with motor disorders: assessing the Functional Mobility Scale and the Gillette Functional Assessment Questionnaire walking scale. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 717-724.	2.1	20
11	High-density electroencephalographic recordings during sleep in children with disorders of consciousness. <i>NeuroImage: Clinical</i> , 2016, 11, 468-475.	2.7	18
12	Reliability and Responsiveness of Upper Limb Motor Assessments for Children With Central Neuromotor Disorders. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 19-39.	2.9	18
13	Lessons learned from conducting a pragmatic, randomized, crossover trial on robot-assisted gait training in children with cerebral palsy (PeLoGAIT). <i>Journal of Pediatric Rehabilitation Medicine</i> , 2020, 13, 137-148.	0.5	18
14	Translation and construct validity of the Trunk Control Measurement Scale in children and youths with brain lesions. <i>Research in Developmental Disabilities</i> , 2015, 45-46, 343-352.	2.2	17
15	Hypertonia Assessment Tool. <i>Journal of Child Neurology</i> , 2017, 32, 132-138.	1.4	16
16	Diffusion tensor imaging predicts motor outcome in children with acquired brain injury. <i>Brain Imaging and Behavior</i> , 2017, 11, 1373-1384.	2.1	16
17	Clinical utility of the over-ground bodyweight-supporting walking system Andago in children and youths with gait impairments. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 29.	4.6	16
18	The Trunk Control Measurement Scale: reliability and discriminative validity in children and young people with neuromotor disorders. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 706-712.	2.1	14

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19	Comparison of DTI analysis methods for clinical research: influence of pre-processing and tract selection methods. <i>European Radiology Experimental</i> , 2018, 2, 33.	3.4	14
20	Selective voluntary motor control measures of the lower extremity in children with upper motor neuron lesions: a systematic review. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 699-705.	2.1	13
21	High-Density Electroencephalographic Recordings During Sleep in Children and Adolescents With Acquired Brain Injury. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 462-474.	2.9	12
22	Dual-task training of children with neuromotor disorders during robot-assisted gait therapy: prerequisites of patients and influence on leg muscle activity. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 82.	4.6	12
23	Clinical utility of a pediatric hand exoskeleton: identifying users, practicability, and acceptance, and recommendations for design improvement. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2022, 19, 17.	4.6	12
24	The role of the practice order: A systematic review about contextual interference in children. <i>PLoS ONE</i> , 2019, 14, e0209979.	2.5	10
25	Quantifying selective elbow movements during an exergame in children with neurological disorders: a pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 93.	4.6	9
26	Concurrent Validity of Two Gait Performance Measures in Children with Neuromotor Disorders. <i>Physical and Occupational Therapy in Pediatrics</i> , 2019, 39, 181-192.	1.3	9
27	Improvement in function after spinal cord injury: the black-box entitled rehabilitation. <i>Swiss Medical Weekly</i> , 2012, 142, w13673.	1.6	9
28	Interrater reliability of two gait performance measures in children with neuromotor disorders across two different settings. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 1158-1163.	2.1	8
29	First validation of a novel assessgame quantifying selective voluntary motor control in children with upper motor neuron lesions. <i>Scientific Reports</i> , 2019, 9, 19972.	3.3	8
30	Validity and reliability of an accelerometer-based assessgame to quantify upper limb selective voluntary motor control. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 89.	4.6	8
31	A Systematic Review of Training Methods That May Improve Selective Voluntary Motor Control in Children With Spastic Cerebral Palsy. <i>Frontiers in Neurology</i> , 2020, 11, 572038.	2.4	8
32	Reliability and practicability of the straight leg raise test in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2016, 58, 173-179.	2.1	7
33	Validity and reliability of the Selective Control of the Upper Extremity Scale in children with upper motor neuron lesions. <i>Disability and Rehabilitation</i> , 2021, , 1-7.	1.8	4
34	Impact of Upper Extremity Impairment and Trunk Control on Self-Care Independence in Children With Upper Motor Neuron Lesions. <i>Physical Therapy</i> , 2021, 101, .	2.4	4
35	An Interactive Computer Game for Improving Selective Voluntary Motor Control in Children With Upper Motor Neuron Lesions: Development and Preliminary Feasibility Study. <i>JMIR Serious Games</i> , 2021, 9, e26028.	3.1	4
36	The relevance of nerve mobility on function and activity in children with Cerebral Palsy. <i>BMC Neurology</i> , 2016, 16, 194.	1.8	3

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37	Quantifying age-related differences in selective voluntary motor control in children and adolescents with three assessments. <i>Human Movement Science</i> , 2021, 77, 102790.	1.4	3
38	Do Youths with Neuromotor Disorder and Their Therapists Prefer a Mixed or Virtual Reality Head-Mounted Display?. <i>Journal of Rehabilitation Medicine Clinical Communications</i> , 2021, 4, 1-5.	0.6	3
39	Contextual interference in children with brain lesions: protocol of a pilot study investigating blocked vs. random practice order of an upper limb robotic exergame. <i>Pilot and Feasibility Studies</i> , 2020, 6, 156.	1.2	2
40	Contextual interference in children with brain lesions: a pilot study investigating blocked vs. random practice order of an upper limb robotic exergame. <i>Pilot and Feasibility Studies</i> , 2021, 7, 135.	1.2	2
41	Neural correlates of memory recovery: Preliminary findings in children and adolescents with acquired brain injury. <i>Restorative Neurology and Neuroscience</i> , 2021, 39, 61-71.	0.7	1
42	Game-based training of selective voluntary motor control in children and youth with upper motor neuron lesions: protocol for a multiple baseline design study. <i>BMC Pediatrics</i> , 2021, 21, 505.	1.7	1
43	Usability evaluation of an interactive leg press training robot for children with neuromuscular impairments. <i>Technology and Health Care</i> , 2022, 30, 1183-1197.	1.2	1
44	Administration of the German Pediatric Evaluation of Disability Inventory (PEDI-G) Using the Mode of Observation in Children Undergoing Inpatient Rehabilitation: A Reliability and Validity Study. <i>Physical and Occupational Therapy in Pediatrics</i> , 2020, 40, 345-359.	1.3	0
45	Velocity dependent measure of spasticity: Reliability in children and juveniles with neuromotor disorders. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2021, 14, 219-226.	0.5	0
46	Validity and reliability of an electromyography-based similarity index to quantify lower extremity selective voluntary motor control in children with cerebral palsy. <i>Clinical Neurophysiology Practice</i> , 2022, 7, 107-114.	1.4	0