

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
g-index

47
all docs

47
docs citations

47
times ranked

699
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	The role of the practice order: A systematic review about contextual interference in children. PLoS ONE, 2019, 14, e0209979.	2.5	10
20	First validation of a novel assessgame quantifying selective voluntary motor control in children with upper motor neuron lesions. Scientific Reports, 2019, 9, 19972.	3.3	8
21	Measuring change in gait performance of children with motor disorders: assessing the Functional Mobility Scale and the Gillette Functional Assessment Questionnaire walking scale. Developmental Medicine and Child Neurology, 2019, 61, 717-724.	2.1	20
22	Concurrent Validity of Two Gait Performance Measures in Children with Neuromotor Disorders. Physical and Occupational Therapy in Pediatrics, 2019, 39, 181-192.	1.3	9
23	The Eating and Drinking Ability Classification System: concurrent validity and reliability in children with cerebral palsy. Developmental Medicine and Child Neurology, 2018, 60, 611-617.	2.1	38
24	Advanced Robotic Therapy Integrated Centers (ARTIC): an international collaboration facilitating the application of rehabilitation technologies. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 30.	4.6	37
25	Influence of trunk control and lower extremity impairments on gait capacity in children with cerebral palsy. Disability and Rehabilitation, 2018, 40, 3164-3170.	1.8	35
26	Comparison of DTI analysis methods for clinical research: influence of pre-processing and tract selection methods. European Radiology Experimental, 2018, 2, 33.	3.4	14
27	Balance, gait, and falls in spinal cord injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 159, 367-384.	1.8	29
28	Dual-task training of children with neuromotor disorders during robot-assisted gait therapy: prerequisites of patients and influence on leg muscle activity. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 82.	4.6	12
29	Selective voluntary motor control measures of the lower extremity in children with upper motor neuron lesions: a systematic review. Developmental Medicine and Child Neurology, 2017, 59, 699-705.	2.1	13
30	High-Density Electroencephalographic Recordings During Sleep in Children and Adolescents With Acquired Brain Injury. Neurorehabilitation and Neural Repair, 2017, 31, 462-474.	2.9	12
31	The Trunk Control Measurement Scale: reliability and discriminative validity in children and young people with neuromotor disorders. Developmental Medicine and Child Neurology, 2017, 59, 706-712.	2.1	14
32	Interrater reliability of two gait performance measures in children with neuromotor disorders across two different settings. Developmental Medicine and Child Neurology, 2017, 59, 1158-1163.	2.1	8
33	Hypertonia Assessment Tool. Journal of Child Neurology, 2017, 32, 132-138.	1.4	16
34	Diffusion tensor imaging predicts motor outcome in children with acquired brain injury. Brain Imaging and Behavior, 2017, 11, 1373-1384.	2.1	16
35	Weight-supported training of the upper extremity in children with cerebral palsy: a motor learning study. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 87.	4.6	32
36	Construct validity and reliability of the Selective Control Assessment of the Lower Extremity in children with cerebral palsy. Developmental Medicine and Child Neurology, 2016, 58, 167-172.	2.1	40

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37	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
38	High-density electroencephalographic recordings during sleep in children with disorders of consciousness. <i>NeuroImage: Clinical</i> , 2016, 11, 468-475.	2.7	18
39	The relevance of nerve mobility on function and activity in children with Cerebral Palsy. <i>BMC Neurology</i> , 2016, 16, 194.	1.8	3
40	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
41	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
42	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
43	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
44	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
45	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
46	Improvement in function after spinal cord injury: the black-box entitled rehabilitation. <i>Swiss Medical Weekly</i> , 2012, 142, w13673.	1.6	9