

Bouwien C M Smits-Engelsman

List of Publications by Year in descending order

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109
papers

4,475
citations

147566

31
h-index

114278

63
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all docs

116
docs citations

116
times ranked

3251
citing authors

#	ARTICLE	IF	CITATIONS
1	Type of active video-games training does not impact the effect on balance and agility in children with and without developmental coordination disorder: A randomized comparator-controlled trial. <i>Applied Neuropsychology: Child</i> , 2023, 12, 64-73.	0.7	2
2	Reliability and construct validity of the Walking Adaptability Ladder Test for Kids (WAL-K): a new clinical test for measuring walking adaptability in children. <i>Disability and Rehabilitation</i> , 2022, 44, 1489-1497.	0.9	5
3	Pediatric care for children with developmental coordination disorder, can we do better?. <i>Biomedical Journal</i> , 2022, 45, 250-264.	1.4	16
4	Walking adaptability improves after treadmill training in children with Developmental Coordination Disorder: A proof-of-concept study. <i>Gait and Posture</i> , 2022, 92, 258-263.	0.6	1
5	Do We Drop the Ball When We Measure Ball Skills Using Standardized Motor Performance Tests?. <i>Children</i> , 2022, 9, 367.	0.6	1
6	The effects of a visuo-motor and cognitive dual task on walking adaptability in children with and without Developmental Coordination Disorder. <i>Gait and Posture</i> , 2022, 95, 183-185.	0.6	3
7	Exploring Cultural Bias in Two Different Motor Competence Test Batteries When Used in African Children. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6788.	1.2	3
8	Balance control in individuals with developmental coordination disorder: A systematic review and meta-analysis. <i>Gait and Posture</i> , 2021, 83, 268-279.	0.6	14
9	Inter-rater reliability and test-retest reliability of the Performance and Fitness (PERF-FIT) test battery for children: a test for motor skill related fitness. <i>BMC Pediatrics</i> , 2021, 21, 119.	0.7	12
10	Effects of Graded Exergames on Fitness Performance in Elementary School Children With Developmental Coordination Disorder. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 653851.	0.9	10
11	A retrospective analysis of injury risk in physical education teacher education students between 2000-2014. <i>Translational Sports Medicine</i> , 2021, 4, 597-605.	0.5	2
12	High BMI and Low Muscular Fitness Predict Low Motor Competence in School-Aged Children Living in Low-Resourced Areas. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7878.	1.2	11
13	Ecological validity of the PERF-FIT: correlates of active play, motor performance and motor skill-related physical fitness. <i>Heliyon</i> , 2021, 7, e07901.	1.4	4
14	Editorial DCD13 – Bridging the Disciplines. <i>Human Movement Science</i> , 2021, 78, 102822.	0.6	0
15	Children with Poor Motor Skills Have Lower Health-Related Fitness Compared to Typically Developing Children. <i>Children</i> , 2021, 8, 867.	0.6	2
16	The construct of balance control in primary school-aged children: Unidimensional and task-specific. <i>Human Movement Science</i> , 2021, 79, 102847.	0.6	0
17	Absolute and relative reliability of SCRuM test battery components assembled for schoolboy rugby players playing competitive rugby in low-resource settings: A pragmatic in-season test-retest approach. <i>SA Sports Medicine</i> , 2021, 33, .	0.1	0
18	Judging heel height: A new test for proprioception while standing reveals that young hypermobile children perform better than controls. <i>Gait and Posture</i> , 2020, 75, 8-13.	0.6	5

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19	Motor skill learning in children with and without Developmental Coordination Disorder. <i>Human Movement Science</i> , 2020, 74, 102687.	0.6	7
20	Field-Based Tests of Strength and Anaerobic Capacity Used in Children With Developmental Coordination Disorder: A Systematic Review. <i>Physical Therapy</i> , 2020, 100, 1825-1851.	1.1	4
21	Feasibility and content validity of the PERF-FIT test battery to assess movement skills, agility and power among children in low-resource settings. <i>BMC Public Health</i> , 2020, 20, 1139.	1.2	12
22	Construct validity of the PERF-FIT, a test of motor skill-related fitness for children in low resource areas. <i>Research in Developmental Disabilities</i> , 2020, 102, 103663.	1.2	11
23	Anthropometric, physiological characteristics and rugby-specific game skills of schoolboy players of different age categories and playing standards. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2020, 12, 3.	0.7	6
24	Does the item "hands on floor" add value to the Beighton score in identifying joint hypermobility?. <i>European Journal of Rheumatology</i> , 2020, 7, 79-83.	1.3	7
25	Children's Repetitive and Intermittent Sprinting Performance (CRISP) Test: A new field-based test for assessing anaerobic power and repeated sprint performance in children with developmental coordination disorder. <i>Research in Developmental Disabilities</i> , 2019, 93, 103461.	1.2	3
26	International clinical practice recommendations on the definition, diagnosis, assessment, intervention, and psychosocial aspects of developmental coordination disorder. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 242-285.	1.1	420
27	Movement Skill Assessment in Children: Overview and Recommendations for Research and Practice. <i>Current Developmental Disorders Reports</i> , 2019, 6, 67-77.	0.9	6
28	Reliability and Validity of the Ladder Agility Test Among Children. <i>Pediatric Exercise Science</i> , 2019, 31, 370-378.	0.5	8
29	Anthropometric, physiological characteristics and rugby-specific game skills discriminating Zimbabwean under-16 male adolescent rugby players by level of competition. <i>BMJ Open Sport and Exercise Medicine</i> , 2019, 5, e000576.	1.4	5
30	Benefits of Activity-Based Interventions Among Female Adolescents Who Are Overweight and Obese. <i>Pediatric Physical Therapy</i> , 2019, 31, 338-345.	0.3	11
31	Functional strength measurement in cerebral palsy: feasibility, test-retest reliability, and construct validity. <i>Developmental Neurorehabilitation</i> , 2019, 22, 453-461.	0.5	8
32	Psychometric properties of field-based anaerobic capacity tests in children with Developmental Coordination Disorder. <i>Disability and Rehabilitation</i> , 2019, 41, 1803-1814.	0.9	6
33	Developmental Coordination Disorder and Intellectual Disabilities. <i>Autism and Child Psychopathology Series</i> , 2019, , 937-952.	0.1	0
34	Evaluating the evidence for motor-based interventions in developmental coordination disorder: A systematic review and meta-analysis. <i>Research in Developmental Disabilities</i> , 2018, 74, 72-102.	1.2	117
35	Being on Target: Visual Information during Writing Affects Effective Connectivity in Parkinson's Disease. <i>Neuroscience</i> , 2018, 371, 484-494.	1.1	9
36	"Not just another Wii training": a graded Wii protocol to increase physical fitness in adolescent girls with probable developmental coordination disorder-a pilot study. <i>BMC Pediatrics</i> , 2018, 18, 78.	0.7	9

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37	Hybrid is not a dirty word: Commentary on Wade and Kazeck (2017). <i>Human Movement Science</i> , 2018, 57, 510-515.	0.6	3
38	Improved Learning a Coincident Timing Task With a Predictable Resisting Force. <i>Motor Control</i> , 2018, 22, 117-133.	0.3	8
39	Logical validation and evaluation of practical feasibility for the SCRuM (School Clinical Rugby) Tj ETQq1 1 0.784314 rgBT /Overlock 10 environment. <i>PLoS ONE</i> , 2018, 13, e0207307.	1.1	6
40	Relationship between Body Mass Index, Cardiorespiratory and Musculoskeletal Fitness among South African Adolescent Girls. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1087.	1.2	25
41	Validity and cross-cultural differences of the Bayley Scales of Infant and Toddler Development, Third Edition in typically developing infants. <i>Early Human Development</i> , 2018, 125, 17-25.	0.8	19
42	Subtyping children with developmental coordination disorder based on physical fitness outcomes. <i>Human Movement Science</i> , 2018, 60, 87-97.	0.6	14
43	Training for Micrographia Alters Neural Connectivity in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 3.	1.4	16
44	Are Graded Task-based Interventions The New Remedy For Unfit Overweight And Obese Female Adolescents?. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 699-700.	0.2	0
45	Variable training does not lead to better motor learning compared to repetitive training in children with and without DCD when exposed to active video games. <i>Research in Developmental Disabilities</i> , 2017, 62, 124-136.	1.2	28
46	Manual therapy compared with physical therapy in patients with non-specific neck pain: a randomized controlled trial. <i>Chiropractic & Manual Therapies</i> , 2017, 25, 12.	0.6	17
47	DCD and comorbidity in neurodevelopmental disorder: How to deal with complexity?. <i>Human Movement Science</i> , 2017, 53, 1-4.	0.6	13
48	The efficacy of two activity-based interventions in adolescents with Developmental Coordination Disorder. <i>Research in Developmental Disabilities</i> , 2017, 71, 223-236.	1.2	33
49	Cognitive and neuroimaging findings in developmental coordination disorder: new insights from a systematic review of recent research. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 1117-1129.	1.1	156
50	Toward a Hybrid Model of Developmental Coordination Disorder. <i>Current Developmental Disorders Reports</i> , 2017, 4, 64-71.	0.9	26
51	EPIDEMIOLOGY OF SPORTS INJURIES DURING DUTCH PHYSICAL EDUCATION TEACHER EDUCATION OVER THE PERIOD 2000â€“2014. <i>British Journal of Sports Medicine</i> , 2017, 51, 292.3-293.	3.1	0
52	The effect of exergames on functional strength, anaerobic fitness, balance and agility in children with and without motor coordination difficulties living in low-income communities. <i>Human Movement Science</i> , 2017, 55, 327-337.	0.6	56
53	INJURY RISK DURING DUTCH PHYSICAL EDUCATION TEACHER EDUCATION: A PROSPECTIVE COHORT STUDY OVER THE PERIOD 2000â€“2014. <i>British Journal of Sports Medicine</i> , 2017, 51, 292.2-292.	3.1	0
54	Feasibility of Motor Imagery Training for Children with Developmental Coordination Disorder â€“ A Pilot Study. <i>Frontiers in Psychology</i> , 2017, 8, 1271.	1.1	32

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55	Validity and reliability of a new tool to evaluate handwriting difficulties in Parkinson's disease. PLoS ONE, 2017, 12, e0173157.	1.1	14
56	How reliable and valid is the teacher version of the Strengths and Difficulties Questionnaire in primary school children?. PLoS ONE, 2017, 12, e0176605.	1.1	14
57	A systematic review investigating measurement properties of physiological tests in rugby. BMC Sports Science, Medicine and Rehabilitation, 2017, 9, 24.	0.7	22
58	Learning better by repetition or variation? Is transfer at odds with task specific training?. PLoS ONE, 2017, 12, e0174214.	1.1	35
59	Relearning of Writing Skills in Parkinson's Disease After Intensive Amplitude Training. Movement Disorders, 2016, 31, 1209-1216.	2.2	36
60	Motor imagery training enhances motor skill in children with DCD: A replication study. Research in Developmental Disabilities, 2016, 57, 54-62.	1.2	59
61	A systematic review protocol investigating tests for physical or physiological qualities and game-specific skills commonly used in rugby and related sports and their psychometric properties. Systematic Reviews, 2016, 5, 122.	2.5	7
62	Reliability and Structural and Construct Validity of the Functional Strength Measurement in Children Aged 4 to 10 Years. Physical Therapy, 2016, 96, 888-897.	1.1	26
63	Manual function outcome measures in children with developmental coordination disorder (DCD): Systematic review. Research in Developmental Disabilities, 2016, 55, 114-131.	1.2	16
64	Performance on Functional Strength Measurement and Muscle Power Sprint Test confirm poor anaerobic capacity in children with Developmental Coordination Disorder. Research in Developmental Disabilities, 2016, 59, 115-126.	1.2	13
65	Action planning and position sense in children with Developmental Coordination Disorder. Human Movement Science, 2016, 46, 196-208.	0.6	32
66	Identification of emotional and behavioral problems by teachers in children with developmental coordination disorder in the school community. Research in Developmental Disabilities, 2016, 51-52, 40-48.	1.2	24
67	Motor imagery training for children with developmental coordination disorder " study protocol for a randomized controlled trial. BMC Neurology, 2016, 16, 5.	0.8	15
68	Opposite Effects of Visual Cueing During Writing-Like Movements of Different Amplitudes in Parkinson's Disease. Neurorehabilitation and Neural Repair, 2016, 30, 431-439.	1.4	25
69	20 Motorische schrijfproblemen. , 2016, , 771-794.		0
70	Motor Learning: An Analysis of 100 Trials of a Ski Slalom Game in Children with and without Developmental Coordination Disorder. PLoS ONE, 2015, 10, e0140470.	1.1	42
71	Health Promotion in a Low-income Primary School: Children with and Without DCD Benefit, but Differently. Physical and Occupational Therapy in Pediatrics, 2015, 35, 147-162.	0.8	22
72	Crossing the North Sea seems to make DCD disappear: Cross-validation of Movement Assessment Battery for Children-2 norms. Human Movement Science, 2015, 39, 177-188.	0.6	28

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73	Short-term motor learning of dynamic balance control in children with probable Developmental Coordination Disorder. <i>Research in Developmental Disabilities</i> , 2015, 38, 213-222.	1.2	37
74	Clinical and Research Criteria for Developmental Coordination Disorder—Should They Be One and the Same?. <i>Current Developmental Disorders Reports</i> , 2015, 2, 127-130.	0.9	21
75	Is Treating Motor Problems in DCD Just a Matter of Practice and More Practice?. <i>Current Developmental Disorders Reports</i> , 2015, 2, 150-156.	0.9	29
76	The influence of task paradigm on motor imagery ability in children with Developmental Coordination Disorder. <i>Human Movement Science</i> , 2015, 44, 81-90.	0.6	17
77	The effects of 8 weeks of motor skill training on cardiorespiratory fitness and endurance performance in children with developmental coordination disorder. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1269-1278.	0.9	23
78	The impact of Wii Fit intervention on dynamic balance control in children with probable Developmental Coordination Disorder and balance problems. <i>Human Movement Science</i> , 2014, 33, 404-418.	0.6	104
79	Using the ICF Framework to Explore the Multiple Interacting Factors Associated with Developmental Coordination Disorder. <i>Current Developmental Disorders Reports</i> , 2014, 1, 86-101.	0.9	24
80	Physical fitness in children with Developmental Coordination Disorder: Measurement matters. <i>Research in Developmental Disabilities</i> , 2014, 35, 1087-1097.	1.2	37
81	The efficacy of two task-orientated interventions for children with Developmental Coordination Disorder: Neuromotor Task Training and Nintendo Wii Fit training. <i>Research in Developmental Disabilities</i> , 2013, 34, 2449-2461.	1.2	87
82	The relationship between joint mobility and motor performance in children with and without the diagnosis of developmental coordination disorder. <i>BMC Pediatrics</i> , 2013, 13, 35.	0.7	35
83	Age-related changes in motor imagery from early childhood to adulthood: Probing the internal representation of speed-accuracy trade-offs. <i>Human Movement Science</i> , 2013, 32, 1151-1162.	0.6	34
84	Noise, variability, and motor performance in developmental coordination disorder. <i>Developmental Medicine and Child Neurology</i> , 2013, 55, 69-72.	1.1	56
85	Understanding performance deficits in developmental coordination disorder: a meta-analysis of recent research. <i>Developmental Medicine and Child Neurology</i> , 2013, 55, 217-228.	1.1	345
86	Efficacy of interventions to improve motor performance in children with developmental coordination disorder: a combined systematic review and meta-analysis. <i>Developmental Medicine and Child Neurology</i> , 2013, 55, 229-237.	1.1	230
87	Reference Values for the Muscle Power Sprint Test in 6- to 12-Year-Old Children. <i>Pediatric Physical Therapy</i> , 2012, 24, 327-332.	0.3	30
88	The Relationship Between Motor Coordination and Intelligence Across the IQ Range. <i>Pediatrics</i> , 2012, 130, e950-e956.	1.0	66
89	Validity and reliability of the Movement Assessment Battery for Children—2 Checklist for children with and without motor impairments. <i>Developmental Medicine and Child Neurology</i> , 2012, 54, 368-375.	1.1	89
90	European Academy for Childhood Disability (EACD): Recommendations on the definition, diagnosis and intervention of developmental coordination disorder (long version)*. <i>Developmental Medicine and Child Neurology</i> , 2012, 54, 54-93.	1.1	443

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91	Is the Movement Assessment Battery for Children-2nd edition a reliable instrument to measure motor performance in 3 year old children?. Research in Developmental Disabilities, 2011, 32, 1370-1377.	1.2	75
92	Beighton Score: A Valid Measure for Generalized Hypermobility in Children. Journal of Pediatrics, 2011, 158, 119-123.e4.	0.9	284
93	Children with a learning disorder show prospective control impairments during visuomanual tracking. Research in Developmental Disabilities, 2010, 31, 195-202.	1.2	5
94	Prospective control abilities during visuo-manual tracking in children with 22q11.2 Deletion syndrome compared to age- and IQ-matched controls. Research in Developmental Disabilities, 2010, 31, 634-641.	1.2	22
95	Kinematic movement strategies in primary school children with 22q11.2 Deletion Syndrome compared to age- and IQ-matched controls during visuo-manual tracking. Research in Developmental Disabilities, 2010, 31, 768-776.	1.2	7
96	Increasing convergence between imagined and executed movement across development: evidence for the emergence of movement representations. Developmental Science, 2009, 12, 474-483.	1.3	63
97	Motor Imagery Development in Primary School Children. Developmental Neuropsychology, 2009, 34, 103-121.	1.0	98
98	Static and Dynamic Visuomotor Task Performance in Children With Acquired Brain Injury. Journal of Head Trauma Rehabilitation, 2009, 24, 363-373.	1.0	13
99	Fast responses to target changes are not impaired in children with spastic hemiplegia. NeuroReport, 2009, 20, 1-4.	0.6	3
100	Development of Feedforward Control in a Dynamic Manual Tracking Task. Child Development, 2008, 79, 852-865.	1.7	30
101	Children with developmental coordination disorder are equally able to generate force but show more variability than typically developing children. Human Movement Science, 2008, 27, 296-309.	0.6	46
102	The line copy task for kinesthesia and internal movement representation: Application in children. Human Movement Science, 2008, 27, 682-694.	0.6	8
103	Developmental trends in speed accuracy trade-off in 10-year-old children performing rapid reciprocal and discrete aiming movements. Human Movement Science, 2006, 25, 37-49.	0.6	36
104	Are Teaching Principles Associated With Improved Motor Performance in Children With Developmental Coordination Disorder? A Pilot Study. Physical Therapy, 2006, 86, 1221-1230.	1.1	35
105	A Five-Week Exercise Program Can Reduce Falls and Improve Obstacle Avoidance in the Elderly. Gerontology, 2006, 52, 131-141.	1.4	172
106	Children with spastic hemiplegia are equally able as controls in maintaining a precise percentage of maximum force without visually monitoring their performance. Neuropsychologia, 2005, 43, 1938-1945.	0.7	16
107	Force Levels in Uni- and Bimanual Isometric Tasks Affect Variability Measures Differently Throughout Lifespan. Motor Control, 2004, 8, 437-449.	0.3	18
108	Consequences of Comorbidity of Developmental Coordination Disorders and Learning Disabilities for Severity and Pattern of Perceptual-Motor Dysfunction. Journal of Learning Disabilities, 2003, 36, 528-537.	1.5	106

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109	Developmental coordination disorder. Human Movement Science, 2001, 20, 1-5.	0.6	30