

# Bouwien C M Smits-Engelsman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7483525/publications.pdf>

Version: 2024-02-01

109  
papers

4,475  
citations

147566

31  
h-index

114278

63  
g-index

116  
all docs

116  
docs citations

116  
times ranked

3251  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Beighton Score: A Valid Measure for Generalized Hypermobility in Children. <i>Journal of Pediatrics</i> , 2011, 158, 119-123.e4.	0.9	284
5	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
6	A Five-Week Exercise Program Can Reduce Falls and Improve Obstacle Avoidance in the Elderly. <i>Gerontology</i> , 2006, 52, 131-141.	1.4	172
7	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
8	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
9	Consequences of Comorbidity of Developmental Coordination Disorders and Learning Disabilities for Severity and Pattern of Perceptual-Motor Dysfunction. <i>Journal of Learning Disabilities</i> , 2003, 36, 528-537.	1.5	106
10	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
11	Motor Imagery Development in Primary School Children. <i>Developmental Neuropsychology</i> , 2009, 34, 103-121.	1.0	98
12	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
13	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
14	Is the Movement Assessment Battery for Children-2nd edition a reliable instrument to measure motor performance in 3 year old children?. <i>Research in Developmental Disabilities</i> , 2011, 32, 1370-1377.	1.2	75
15	The Relationship Between Motor Coordination and Intelligence Across the IQ Range. <i>Pediatrics</i> , 2012, 130, e950-e956.	1.0	66
16	Increasing convergence between imagined and executed movement across development: evidence for the emergence of movement representations. <i>Developmental Science</i> , 2009, 12, 474-483.	1.3	63
17	Motor imagery training enhances motor skill in children with DCD: A replication study. <i>Research in Developmental Disabilities</i> , 2016, 57, 54-62.	1.2	59
18	Noise, variability, and motor performance in developmental coordination disorder. <i>Developmental Medicine and Child Neurology</i> , 2013, 55, 69-72.	1.1	56

#	ARTICLE	IF	CITATIONS
19	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
20	Children with developmental coordination disorder are equally able to generate force but show more variability than typically developing children. <i>Human Movement Science</i> , 2008, 27, 296-309.	0.6	46
21	Motor Learning: An Analysis of 100 Trials of a Ski Slalom Game in Children with and without Developmental Coordination Disorder. <i>PLoS ONE</i> , 2015, 10, e0140470.	1.1	42
22	Physical fitness in children with Developmental Coordination Disorder: Measurement matters. <i>Research in Developmental Disabilities</i> , 2014, 35, 1087-1097.	1.2	37
23	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
24	Developmental trends in speed accuracy trade-off in 6-10-year-old children performing rapid reciprocal and discrete aiming movements. <i>Human Movement Science</i> , 2006, 25, 37-49.	0.6	36
25	Relearning of Writing Skills in Parkinson's Disease After Intensive Amplitude Training. <i>Movement Disorders</i> , 2016, 31, 1209-1216.	2.2	36
26	Are Teaching Principles Associated With Improved Motor Performance in Children With Developmental Coordination Disorder? A Pilot Study. <i>Physical Therapy</i> , 2006, 86, 1221-1230.	1.1	35
27	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
28	Learning better by repetition or variation? Is transfer at odds with task specific training?. <i>PLoS ONE</i> , 2017, 12, e0174214.	1.1	35
29	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
30	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
31	Action planning and position sense in children with Developmental Coordination Disorder. <i>Human Movement Science</i> , 2016, 46, 196-208.	0.6	32
32	Feasibility of Motor Imagery Training for Children with Developmental Coordination Disorder – A Pilot Study. <i>Frontiers in Psychology</i> , 2017, 8, 1271.	1.1	32
33	Developmental coordination disorder. <i>Human Movement Science</i> , 2001, 20, 1-5.	0.6	30
34	Development of Feedforward Control in a Dynamic Manual Tracking Task. <i>Child Development</i> , 2008, 79, 852-865.	1.7	30
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Crossing the North Sea seems to make DCD disappear: Cross-validation of Movement Assessment Battery for Children-2 norms. <i>Human Movement Science</i> , 2015, 39, 177-188.	0.6	28
38	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
39	Reliability and Structural and Construct Validity of the Functional Strength Measurement in Children Aged 4 to 10 Years. <i>Physical Therapy</i> , 2016, 96, 888-897.	1.1	26
40	Toward a Hybrid Model of Developmental Coordination Disorder. <i>Current Developmental Disorders Reports</i> , 2017, 4, 64-71.	0.9	26
41	Opposite Effects of Visual Cueing During Writing-Like Movements of Different Amplitudes in Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 431-439.	1.4	25
42	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
43	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
44	Identification of emotional and behavioral problems by teachers in children with developmental coordination disorder in the school community. <i>Research in Developmental Disabilities</i> , 2016, 51-52, 40-48.	1.2	24
45	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
46	Prospective control abilities during visuo-manual tracking in children with 22q11.2 Deletion syndrome compared to age- and IQ-matched controls. <i>Research in Developmental Disabilities</i> , 2010, 31, 634-641.	1.2	22
47	Health Promotion in a Low-income Primary School: Children with and Without DCD Benefit, but Differently. <i>Physical and Occupational Therapy in Pediatrics</i> , 2015, 35, 147-162.	0.8	22
48	A systematic review investigating measurement properties of physiological tests in rugby. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2017, 9, 24.	0.7	22
49	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
50	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
51	Force Levels in Uni- and Bimanual Isometric Tasks Affect Variability Measures Differently Throughout Lifespan. <i>Motor Control</i> , 2004, 8, 437-449.	0.3	18
52	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
53	Manual therapy compared with physical therapy in patients with non-specific neck pain: a randomized controlled trial. <i>Chiropractic &amp; Manual Therapies</i> , 2017, 25, 12.	0.6	17
54	Children with spastic hemiplegia are equally able as controls in maintaining a precise percentage of maximum force without visually monitoring their performance. <i>Neuropsychologia</i> , 2005, 43, 1938-1945.	0.7	16

#	ARTICLE	IF	CITATIONS
55	Manual function outcome measures in children with developmental coordination disorder (DCD): Systematic review. <i>Research in Developmental Disabilities</i> , 2016, 55, 114-131.	1.2	16
56	Training for Micrographia Alters Neural Connectivity in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 3.	1.4	16
57	Pediatric care for children with developmental coordination disorder, can we do better?. <i>Biomedical Journal</i> , 2022, 45, 250-264.	1.4	16
58	Motor imagery training for children with developmental coordination disorder " study protocol for a randomized controlled trial. <i>BMC Neurology</i> , 2016, 16, 5.	0.8	15
59	Validity and reliability of a new tool to evaluate handwriting difficulties in Parkinson's disease. <i>PLoS ONE</i> , 2017, 12, e0173157.	1.1	14
60	How reliable and valid is the teacher version of the Strengths and Difficulties Questionnaire in primary school children?. <i>PLoS ONE</i> , 2017, 12, e0176605.	1.1	14
61	Subtyping children with developmental coordination disorder based on physical fitness outcomes. <i>Human Movement Science</i> , 2018, 60, 87-97.	0.6	14
62	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
63	Static and Dynamic Visuomotor Task Performance in Children With Acquired Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2009, 24, 363-373.	1.0	13
64	Performance on Functional Strength Measurement and Muscle Power Sprint Test confirm poor anaerobic capacity in children with Developmental Coordination Disorder. <i>Research in Developmental Disabilities</i> , 2016, 59, 115-126.	1.2	13
65	DCD and comorbidity in neurodevelopmental disorder: How to deal with complexity?. <i>Human Movement Science</i> , 2017, 53, 1-4.	0.6	13
66	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
67	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
68	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
69	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
70	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
71	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
72	Being on Target: Visual Information during Writing Affects Effective Connectivity in Parkinson's Disease. <i>Neuroscience</i> , 2018, 371, 484-494.	1.1	9

#	ARTICLE	IF	CITATIONS
73	“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
74	The line copy task for kinesthesia and internal movement representation: Application in children. <i>Human Movement Science</i> , 2008, 27, 682-694.	0.6	8
75	Improved Learning a Coincident Timing Task With a Predictable Resisting Force. <i>Motor Control</i> , 2018, 22, 117-133.	0.3	8
76	Reliability and Validity of the Ladder Agility Test Among Children. <i>Pediatric Exercise Science</i> , 2019, 31, 370-378.	0.5	8
77	Functional strength measurement in cerebral palsy: feasibility, test-retest reliability, and construct validity. <i>Developmental Neurorehabilitation</i> , 2019, 22, 453-461.	0.5	8
78	Kinematic movement strategies in primary school children with 22q11.2 Deletion Syndrome compared to age- and IQ-matched controls during visuo-manual tracking. <i>Research in Developmental Disabilities</i> , 2010, 31, 768-776.	1.2	7
79	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. <i>Systematic Reviews</i> , 2016, 5, 122.	2.5	7
80	Motor skill learning in children with and without Developmental Coordination Disorder. <i>Human Movement Science</i> , 2020, 74, 102687.	0.6	7
81	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
82	Logical validation and evaluation of practical feasibility for the SCRuM (School Clinical Rugby) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 environment. <i>PLoS ONE</i> , 2018, 13, e0207307.	1.1	6
83	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
84	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
85	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
86	Children with a learning disorder show prospective control impairments during visuomanual tracking. <i>Research in Developmental Disabilities</i> , 2010, 31, 195-202.	1.2	5
87	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
88	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
89	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
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	Fast responses to target changes are not impaired in children with spastic hemiplegia. <i>NeuroReport</i> , 2009, 20, 1-4.	0.6	3
93	Hybrid is not a dirty word: Commentary on Wade and Kazeck (2017). <i>Human Movement Science</i> , 2018, 57, 510-515.	0.6	3
94	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
95	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
96	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
97	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
98	Children with Poor Motor Skills Have Lower Health-Related Fitness Compared to Typically Developing Children. <i>Children</i> , 2021, 8, 867.	0.6	2
99	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
100	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
101	Do We Drop the Ball When We Measure Ball Skills Using Standardized Motor Performance Tests?. <i>Children</i> , 2022, 9, 367.	0.6	1
102	EPIDEMIOLOGY OF SPORTS INJURIES DURING DUTCH PHYSICAL EDUCATION TEACHER EDUCATION OVER THE PERIOD 2000-2014. <i>British Journal of Sports Medicine</i> , 2017, 51, 292.3-293.	3.1	0
103	INJURY RISK DURING DUTCH PHYSICAL EDUCATION TEACHER EDUCATION: A PROSPECTIVE COHORT STUDY OVER THE PERIOD 2000-2014. <i>British Journal of Sports Medicine</i> , 2017, 51, 292.2-292.	3.1	0
104	Editorial DCD13 "Bridging the Disciplines". <i>Human Movement Science</i> , 2021, 78, 102822.	0.6	0
105	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
106	20 Motorische schrijfproblemen. , 2016, , 771-794.		0
107	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
108	Developmental Coordination Disorder and Intellectual Disabilities. <i>Autism and Child Psychopathology Series</i> , 2019, , 937-952.	0.1	0

#	ARTICLE	IF	CITATIONS
109	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. SA Sports Medicine, 2021, 33, .	0.1	0