

Matthieu Lenoir

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

3,411
citations

32
h-index

56
g-index

105
ext. papers

4,066
ext. citations

3.3
avg, IF

5.27
L-index

#	Paper	IF	Citations
102	Talent identification and development programmes in sport : current models and future directions. <i>Sports Medicine</i> , 2008 , 38, 703-14	10.6	423
101	A longitudinal analysis of gross motor coordination in overweight and obese children versus normal-weight peers. <i>International Journal of Obesity</i> , 2013 , 37, 61-7	5.5	161
100	The effects of task constraints on visual search behavior and decision-making skill in youth soccer players. <i>Journal of Sport and Exercise Psychology</i> , 2007 , 29, 147-69	1.5	154
99	Mechanisms underpinning successful decision making in skilled youth soccer players: an analysis of visual search behaviors. <i>Journal of Motor Behavior</i> , 2007 , 39, 395-408	1.4	139
98	Relationship between motor skill and body mass index in 5- to 10-year-old children. <i>Adapted Physical Activity Quarterly</i> , 2009 , 26, 21-37	1.7	133
97	Fundamental Movement Skills: An Important Focus. <i>Journal of Teaching in Physical Education</i> , 2016 , 35, 219-225	2.2	126
96	The KiperkoordinationsTest für Kinder: reference values and suitability for 6-12-year-old children in Flanders. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2011 , 21, 378-88	4.6	124
95	Relationship between sports participation and the level of motor coordination in childhood: a longitudinal approach. <i>Journal of Science and Medicine in Sport</i> , 2012 , 15, 220-5	4.4	107
94	Mental fatigue impairs soccer-specific decision-making skill. <i>Journal of Sports Sciences</i> , 2016 , 34, 1297-3046	4.6	95
93	Childhood obesity affects fine motor skill performance under different postural constraints. <i>Neuroscience Letters</i> , 2008 , 440, 72-5	3.3	88
92	Fine and gross motor skills differ between healthy-weight and obese children. <i>Research in Developmental Disabilities</i> , 2013 , 34, 4043-51	2.7	71
91	Motor competence assessment in children: convergent and discriminant validity between the BOT-2 Short Form and KTK testing batteries. <i>Research in Developmental Disabilities</i> , 2014 , 35, 1375-83	2.7	65
90	Identifying profiles of actual and perceived motor competence among adolescents: associations with motivation, physical activity, and sports participation. <i>Journal of Sports Sciences</i> , 2016 , 34, 2027-37	3.6	64
89	Changes in physical fitness and sports participation among children with different levels of motor competence: a 2-year longitudinal study. <i>Pediatric Exercise Science</i> , 2014 , 26, 11-21	2	57
88	Differences in gait between children with and without developmental coordination disorder. <i>Motor Control</i> , 2006 , 10, 125-42	1.3	57
87	The contribution of stereo vision to one-handed catching. <i>Experimental Brain Research</i> , 2004 , 157, 383-90	2.3	57
86	The value of a non-sport-specific motor test battery in predicting performance in young female gymnasts. <i>Journal of Sports Sciences</i> , 2012 , 30, 497-505	3.6	51

85	Configurations of actual and perceived motor competence among children: Associations with motivation for sports and global self-worth. <i>Human Movement Science</i> , 2016 , 50, 1-9	2.4	44
84	Intercepting Moving Objects During Self-Motion. <i>Journal of Motor Behavior</i> , 1999 , 31, 55-67	1.4	44
83	The visual control of bicycle steering: The effects of speed and path width. <i>Accident Analysis and Prevention</i> , 2013 , 51, 222-7	6.1	43
82	Balance problems during obstacle crossing in children with Developmental Coordination Disorder. <i>Gait and Posture</i> , 2010 , 32, 327-31	2.6	43
81	Rate of change of angular bearing as the relevant property in a horizontal interception task during locomotion. <i>Journal of Motor Behavior</i> , 2002 , 34, 385-404	1.4	43
80	Variation in sport participation, fitness and motor coordination with socioeconomic status among Flemish children. <i>Pediatric Exercise Science</i> , 2012 , 24, 113-28	2	42
79	Age and maturity related differences in motor coordination among male elite youth soccer players. <i>Journal of Sports Sciences</i> , 2019 , 37, 196-203	3.6	40
78	Stature and jumping height are required in female volleyball, but motor coordination is a key factor for future elite success. <i>Journal of Strength and Conditioning Research</i> , 2015 , 29, 1480-5	3.2	39
77	Relative age effect and Yo-Yo IR1 in youth soccer. <i>International Journal of Sports Medicine</i> , 2012 , 33, 987-98	3.8	39
76	Visual contribution to walking in children with Developmental Coordination Disorder. <i>Child: Care, Health and Development</i> , 2006 , 32, 711-22	2.8	38
75	Measuring dwell time percentage from head-mounted eye-tracking data--comparison of a frame-by-frame and a fixation-by-fixation analysis. <i>Ergonomics</i> , 2015 , 58, 712-21	2.9	37
74	The Relationship Between Actual and Perceived Motor Competence in Children, Adolescents and Young Adults: A Systematic Review and Meta-analysis. <i>Sports Medicine</i> , 2020 , 50, 2001-2049	10.6	36
73	Stereo vision enhances the learning of a catching skill. <i>Experimental Brain Research</i> , 2007 , 179, 723-6	2.3	35
72	The implications of low quality bicycle paths on gaze behavior of cyclists: A field test. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2014 , 23, 81-87	4.5	33
71	Effects of a cycle training course on children's cycling skills and levels of cycling to school. <i>Accident Analysis and Prevention</i> , 2014 , 67, 49-60	6.1	32
70	Actual and Perceived Motor Competence Levels of Belgian and United States Preschool Children. <i>Journal of Motor Learning and Development</i> , 2018 , 6, S320-S336	1.4	32
69	A multidisciplinary identification model for youth handball. <i>European Journal of Sport Science</i> , 2011 , 11, 355-363	3.9	31
68	Factors discriminating gymnasts by competitive level. <i>International Journal of Sports Medicine</i> , 2011 , 32, 591-7	3.6	31

67	Hazard perception in young cyclists and adult cyclists. <i>Accident Analysis and Prevention</i> , 2017 , 105, 64-71	6.1	30
66	Improving the Prediction of Maturity From Anthropometric Variables Using a Maturity Ratio. <i>Pediatric Exercise Science</i> , 2018 , 30, 296-307	2	29
65	Advance knowledge effects on kinematics of one-handed catching. <i>Experimental Brain Research</i> , 2010 , 201, 875-84	2.3	28
64	Intrinsic and extrinsic factors of turning preferences in humans. <i>Neuroscience Letters</i> , 2006 , 393, 179-83	3.3	28
63	Developmental Change in Motor Competence: A Latent Growth Curve Analysis. <i>Frontiers in Physiology</i> , 2019 , 10, 1273	4.6	26
62	Modelling age-related changes in motor competence and physical fitness in high-level youth soccer players: implications for talent identification and development. <i>Science and Medicine in Football</i> , 2017 , 1, 203-208	2.7	26
61	The Applicability of a Short Form of the Kipkerkoordinationstest für Kinder for Measuring Motor Competence in Children Aged 6 to 11 Years. <i>Journal of Motor Learning and Development</i> , 2017 , 5, 227-239	1.4	26
60	Planning and on-line control of catching as a function of perceptual-motor constraints. <i>Acta Psychologica</i> , 2007 , 126, 59-78	1.7	26
59	A comparative study of performance in simple and choice reaction time tasks between obese and healthy-weight children. <i>Research in Developmental Disabilities</i> , 2013 , 34, 2635-41	2.7	25
58	Does a cycle training course improve cycling skills in children?. <i>Accident Analysis and Prevention</i> , 2013 , 59, 38-45	6.1	24
57	Cue usage in volleyball: a time course comparison of elite, intermediate and novice female players. <i>Biology of Sport</i> , 2014 , 31, 295-302	4.3	24
56	Cycling around a curve: the effect of cycling speed on steering and gaze behavior. <i>PLoS ONE</i> , 2014 , 9, e102792	3.7	23
55	Impact of mental fatigue on speed and accuracy components of soccer-specific skills. <i>Science and Medicine in Football</i> , 2017 , 1, 48-52	2.7	22
54	Predictive models reduce talent development costs in female gymnastics. <i>Journal of Sports Sciences</i> , 2017 , 35, 806-811	3.6	21
53	Children's cycling skills: Development of a test and determination of individual and environmental correlates. <i>Accident Analysis and Prevention</i> , 2013 , 50, 688-97	6.1	21
52	Talent in Female Gymnastics: a Survival Analysis Based upon Performance Characteristics. <i>International Journal of Sports Medicine</i> , 2015 , 36, 935-40	3.6	20
51	Using an audit tool (MAPS Global) to assess the characteristics of the physical environment related to walking for transport in youth: reliability of Belgian data. <i>International Journal of Health Geographics</i> , 2016 , 15, 41	3.5	19
50	Convergent and Divergent Validity Between the KTK and MOT 4-6 Motor Tests in Early Childhood. <i>Adapted Physical Activity Quarterly</i> , 2016 , 33, 33-48	1.7	19

49	Through the Looking Glass: A Systematic Review of Longitudinal Evidence, Providing New Insight for Motor Competence and Health. <i>Sports Medicine</i> , 2021 , 1	10.6	19
48	Reduced motor competence in children with obesity is associated with structural differences in the cerebellar peduncles. <i>Brain Imaging and Behavior</i> , 2018 , 12, 1000-1010	4.1	17
47	Test-retest reliability and validity of a child and parental questionnaire on specific determinants of cycling to school. <i>Pediatric Exercise Science</i> , 2012 , 24, 289-311	2	17
46	The role of vision in obese and normal-weight children's gait control. <i>Gait and Posture</i> , 2011 , 33, 179-84	2.6	16
45	A hazard-perception test for cycling children: An exploratory study. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016 , 41, 182-194	4.5	15
44	Ecological relevance of stereopsis in one-handed ball-catching. <i>Perceptual and Motor Skills</i> , 1999 , 89, 495-508	2.2	14
43	Is gaze behaviour in a laboratory context similar to that in real-life? A study in bicyclists. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2016 , 43, 131-140	4.5	12
42	To know or not to know: influence of explicit advance knowledge of occlusion on interceptive actions. <i>Experimental Brain Research</i> , 2011 , 214, 483-90	2.3	12
41	The contribution of stereo vision to the control of braking. <i>Accident Analysis and Prevention</i> , 2008 , 40, 719-24	6.1	11
40	Effects of contrasting colour patterns of the ball in the volleyball reception. <i>Journal of Sports Sciences</i> , 2005 , 23, 871-9	3.6	11
39	Accuracy of maturity prediction equations in individual elite male football players. <i>Annals of Human Biology</i> , 2020 , 47, 409-416	1.7	11
38	A longitudinal study investigating the stability of anthropometry and soccer-specific endurance in pubertal high-level youth soccer players. <i>Journal of Sports Science and Medicine</i> , 2015 , 14, 418-26	2.7	10
37	Weight loss, behavioral change, and structural neuroplasticity in children with obesity through a multidisciplinary treatment program. <i>Human Brain Mapping</i> , 2019 , 40, 137-150	5.9	10
36	The implications of low quality bicycle paths on the gaze behaviour of young learner cyclists. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2017 , 48, 52-60	4.5	9
35	Development of cycling skills in 7- to 12-year-old children. <i>Traffic Injury Prevention</i> , 2016 , 17, 736-42	1.8	9
34	Identification of elite performance characteristics in a small sample of taekwondo athletes. <i>PLoS ONE</i> , 2019 , 14, e0217358	3.7	8
33	The use of the Körperkoordinationstest für Kinder in the talent pathway in youth athletes: A systematic review. <i>Journal of Science and Medicine in Sport</i> , 2019 , 22, 1021-1029	4.4	8
32	A coaches' perspective on the contribution of anthropometry, physical performance, and motor coordination in racquet sports. <i>Journal of Sports Sciences</i> , 2018 , 36, 2706-2715	3.6	8

31	Visual guidance during bicycle steering through narrow lanes: a study in children. <i>Accident Analysis and Prevention</i> , 2015 , 78, 8-13	6.1	8
30	Recognizing induced emotions of happiness and sadness from dance movement. <i>PLoS ONE</i> , 2014 , 9, e89773	3.7	7
29	The importance of performance in youth competitions as an indicator of future success in cycling. <i>European Journal of Sport Science</i> , 2021 , 1-10	3.9	7
28	Gaze behaviour during walking in young adults with developmental coordination disorder. <i>Human Movement Science</i> , 2020 , 71, 102616	2.4	6
27	Implicit advance knowledge effects on the interplay between arm movements and postural adjustments in catching. <i>Neuroscience Letters</i> , 2012 , 518, 117-21	3.3	6
26	Understanding the development of bicycling skills in children: A systematic review. <i>Safety Science</i> , 2020 , 123, 104562	5.8	6
25	Structural connectivity and weight loss in children with obesity: a study of the "connectobese". <i>International Journal of Obesity</i> , 2019 , 43, 2309-2321	5.5	5
24	Saccadic eye movements and finger reaction times of table tennis players of different levels. <i>Neuro-Ophthalmology</i> , 2000 , 24, 335-338	0.9	5
23	Differences in Weight Status and Autonomous Motivation towards Sports among Children with Various Profiles of Motor Competence and Organized Sports Participation. <i>Children</i> , 2021 , 8,	2.8	5
22	Change-Point Detection of Peak Tibial Acceleration in Overground Running Retraining. <i>Sensors</i> , 2020 , 20,	3.8	4
21	Children Involved in Team Sports Show Superior Executive Function Compared to Their Peers Involved in Self-Paced Sports. <i>Children</i> , 2021 , 8,	2.8	4
20	Similarities and differences between sports subserving systematic talent transfer and development: The case of paddle sports. <i>Journal of Science and Medicine in Sport</i> , 2021 , 24, 200-205	4.4	4
19	Expert - Non-expert differences in visual behaviour during alpine slalom skiing. <i>Human Movement Science</i> , 2017 , 55, 229-239	2.4	3
18	The "how" and "why" of the ancient Greek long jump with weights: a five-fold symmetric jump in a row?. <i>Journal of Sports Sciences</i> , 2005 , 23, 1033-43	3.6	3
17	An exploratory study of gaze behaviour in young adults with developmental coordination disorder. <i>Human Movement Science</i> , 2020 , 73, 102656	2.4	3
16	Collective behaviour in high and low-level youth soccer teams.. <i>Science and Medicine in Football</i> , 2022 , 6, 164-171	2.7	3
15	Validation of a Motor Competence Assessment Tool for Children and Adolescents (KTK3+) With Normative Values for 6- to 19-Year-Olds. <i>Frontiers in Physiology</i> , 2021 , 12, 652952	4.6	3
14	Forecasting the development of explosive leg power in youth soccer players. <i>Science and Medicine in Football</i> , 2019 , 3, 131-137	2.7	3

13	Multilevel modelling of longitudinal changes in isokinetic knee extensor and flexor strength in adolescent soccer players. <i>Annals of Human Biology</i> , 2018 , 45, 453-456	1.7	3
12	The association between mental rotation capacity and motor impairment in children with obesity-an exploratory study. <i>PeerJ</i> , 2019 , 7, e8150	3.1	2
11	Profiles of Physical Fitness and Fitness Enjoyment Among Children: Associations With Sports Participation. <i>Research Quarterly for Exercise and Sport</i> , 2020 , 1-10	1.9	2
10	The development of perceptual-cognitive skills in youth volleyball players. <i>Journal of Sports Sciences</i> , 2021 , 39, 1911-1925	3.6	2
9	Young Adults With Developmental Coordination Disorder Adopt a Different Visual Strategy During a Hazard Perception Test for Cyclists. <i>Frontiers in Psychology</i> , 2021 , 12, 665189	3.4	2
8	Discriminating performance profiles of cycling disciplines. <i>International Journal of Sports Science and Coaching</i> , 2021 , 16, 110-122	1.8	2
7	The Use of Contextual Information for Anticipation of Badminton Shots in Different Expertise Levels.. <i>Research Quarterly for Exercise and Sport</i> , 2022 , 1-9	1.9	1
6	Long-term effectiveness of a fundamental motor skill intervention in Belgian children: A 6-year follow-up. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021 , 31 Suppl 1, 23-34	4.6	1
5	Emotional intelligence and motor competence in children, adolescents, and young adults. <i>European Journal of Developmental Psychology</i> , 1-20	1.5	0
4	Traditional high jump Gusimbuka Urukiramende: Could early 20th century African athletes beat Olympic champions?. <i>Journal of Sports Sciences</i> , 2021 , 39, 1800-1806	3.6	0
3	Does music affect performance on a hazard perception test for cyclists?. <i>Ergonomics</i> , 2022 , 1-30	2.9	
2	A Physical Education Program Based Upon an Obstacle Course Positively Affects Motor Competence in 6- to 7-Year-Old Children: A Pilot Study. <i>Journal of Teaching in Physical Education</i> , 2021 , 1-12	2.2	
1	A Variable- and Person-Centered Approach to Further Understand the Relationship Between Actual and Perceived Motor Competence in Children. <i>Journal of Teaching in Physical Education</i> , 2021 , 1-10	2.2	