Matthieu Lenoir

List of Publications by Year
in descending order

103 papers	4,888 citations	94381 37 h-index	106281 65 g-index
105 all docs	105 docs citations	105 times ranked	3818 citing authors

#	Article	IF	Citations
1	Talent Identification and Development Programmes in Sport. Sports Medicine, 2008, 38, 703-714.	3.1	565
2	A longitudinal analysis of gross motor coordination in overweight and obese children versus normal-weight peers. International Journal of Obesity, 2013, 37, 61-67.	1.6	225
3	Fundamental Movement Skills: An Important Focus. Journal of Teaching in Physical Education, 2016, 35, 219-225.	0.9	207
4	The Effects of Task Constraints on Visual Search Behavior and Decision-Making Skill in Youth Soccer Players. Journal of Sport and Exercise Psychology, 2007, 29, 147-169.	0.7	203
5	Mechanisms Underpinning Successful Decision Making in Skilled Youth Soccer Players: An Analysis of Visual Search Behaviors. Journal of Motor Behavior, 2007, 39, 395-408.	0.5	188
6	Relationship between Motor Skill and Body Mass Index in 5- to 10-Year-Old Children. Adapted Physical Activity Quarterly, 2009, 26, 21-37.	0.6	181
7	The KÃ¶rperkoordinationsTest fÃ¼r Kinder: reference values and suitability for 6â€“12â€¯yearâ€¯old children in Flanders. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 378-388.	1.3	173
8	Mental fatigue impairs soccer-specific decision-making skill. Journal of Sports Sciences, 2016, 34, 1297-1304.	1.0	153
9	Relationship between sports participation and the level of motor coordination in childhood: A longitudinal approach. Journal of Science and Medicine in Sport, 2012, 15, 220-225.	0.6	143
10	Childhood obesity affects fine motor skill performance under different postural constraints. Neuroscience Letters, 2008, 440, 72-75.	1.0	104
11	Fine and gross motor skills differ between healthy-weight and obese children. Research in Developmental Disabilities, 2013, 34, 4043-4051.	1.2	103
12	Through the Looking Glass: A Systematic Review of Longitudinal Evidence, Providing New Insight for Motor Competence and Health. Sports Medicine, 2022, 52, 875-920.	3.1	102
13	Identifying profiles of actual and perceived motor competence among adolescents: associations with motivation, physical activity, and sports participation. Journal of Sports Sciences, 2016, 34, 2027-2037.	1.0	87
14	Motor competence assessment in children: Convergent and discriminant validity between the BOT-2 Short Form and KTK testing batteries. Research in Developmental Disabilities, 2014, 35, 1375-1383.	1.2	84
15	The Relationship Between Actual and Perceived Motor Competence in Children, Adolescents and Young Adults: A Systematic Review and Meta-analysis. Sports Medicine, 2020, 50, 2001-2049.	3.1	75
16	Differences in Gait between Children with and Without Developmental Coordination Disorder. Motor Control, 2006, 10, 125-142.	0.3	74
17	Changes in Physical Fitness and Sports Participation Among Children With Different Levels of Motor Competence: A 2-Year Longitudinal Study. Pediatric Exercise Science, 2014, 26, 11-21.	0.5	69
18	The value of a non-sport-specific motor test battery in predicting performance in young female gymnasts. Journal of Sports Sciences, 2012, 30, 497-505.	1.0	68

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19	The contribution of stereo vision to one-handed catching. Experimental Brain Research, 2004, 157, 383-90.	0.7	67
20	Configurations of actual and perceived motor competence among children: Associations with motivation for sports and global self-worth. Human Movement Science, 2016, 50, 1-9.	0.6	64
21	Relative Age Effect and Yo-Yo IR1 in Youth Soccer. International Journal of Sports Medicine, 2012, 33, 987-993.	0.8	60
22	Stature and Jumping Height Are Required in Female Volleyball, but Motor Coordination Is a Key Factor for Future Elite Success. Journal of Strength and Conditioning Research, 2015, 29, 1480-1485.	1.0	60
23	The visual control of bicycle steering: The effects of speed and path width. Accident Analysis and Prevention, 2013, 51, 222-227.	3.0	58
24	Measuring dwell time percentage from head-mounted eye-tracking data â€“ comparison of a frame-by-frame and a fixation-by-fixation analysis. Ergonomics, 2015, 58, 712-721.	1.1	57
25	Age and maturity related differences in motor coordination among male elite youth soccer players. Journal of Sports Sciences, 2019, 37, 196-203.	1.0	56
26	Balance problems during obstacle crossing in children with Developmental Coordination Disorder. Gait and Posture, 2010, 32, 327-331.	0.6	54
27	Variation in Sport Participation, Fitness and Motor Coordination With Socioeconomic Status Among Flemish Children. Pediatric Exercise Science, 2012, 24, 113-128.	0.5	54
28	Intercepting Moving Objects During Self-Motion. Journal of Motor Behavior, 1999, 31, 55-67.	0.5	53
29	Actual and Perceived Motor Competence Levels of Belgian and United States Preschool Children. Journal of Motor Learning and Development, 2018, 6, S320-S336.	0.2	50
30	A multidisciplinary identification model for youth handball. European Journal of Sport Science, 2011, 11, 355-363.	1.4	49
31	Visual contribution to walking in children with Developmental Coordination Disorder. Child: Care, Health and Development, 2006, 32, 711-722.	0.8	48
32	Rate of Change of Angular Bearing as the Relevant Property in a Horizontal Interception Task During Locomotion. Journal of Motor Behavior, 2002, 34, 385-401.	0.5	46
33	Stereo vision enhances the learning of a catching skill. Experimental Brain Research, 2007, 179, 723-726.	0.7	44
34	Impact of mental fatigue on speed and accuracy components of soccer-specific skills. Science and Medicine in Football, 2017, 1, 48-52.	1.0	44
35	The implications of low quality bicycle paths on gaze behavior of cyclists: A field test. Transportation Research Part F: Traffic Psychology and Behaviour, 2014, 23, 81-87.	1.8	43
36	Improving the Prediction of Maturity From Anthropometric Variables Using a Maturity Ratio. Pediatric Exercise Science, 2018, 30, 296-307.	0.5	43

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37	Factors Discriminating Gymnasts by Competitive Level. International Journal of Sports Medicine, 2011, 32, 591-597.	0.8	41
38	Hazard perception in young cyclists and adult cyclists. Accident Analysis and Prevention, 2017, 105, 64-71.	3.0	40
39	Developmental Change in Motor Competence: A Latent Growth Curve Analysis. Frontiers in Physiology, 2019, 10, 1273.	1.3	40
40	Effects of a cycle training course on children's cycling skills and levels of cycling to school. Accident Analysis and Prevention, 2014, 67, 49-60.	3.0	39
41	CUE USAGE IN VOLLEYBALL: A TIME COURSE COMPARISON OF ELITE, INTERMEDIATE AND NOVICE FEMALE PLAYERS. Biology of Sport, 2014, 31, 295-302.	1.7	36
42	Modelling age-related changes in motor competence and physical fitness in high-level youth soccer players: implications for talent identification and development. Science and Medicine in Football, 2017, 1, 203-208.	1.0	35
43	The Applicability of a Short Form of the KÃ¶rperkoordinationstest fÃ¼r Kinder for Measuring Motor Competence in Children Aged 6 to 11 Years. Journal of Motor Learning and Development, 2017, 5, 227-239.	0.2	35
44	Cycling around a Curve: The Effect of Cycling Speed on Steering and Gaze Behavior. PLoS ONE, 2014, 9, e102792.	1.1	34
45	Does a cycle training course improve cycling skills in children?. Accident Analysis and Prevention, 2013, 59, 38-45.	3.0	33
46	Intrinsic and extrinsic factors of turning preferences in humans. Neuroscience Letters, 2006, 393, 179-183.	1.0	32
47	Advance knowledge effects on kinematics of one-handed catching. Experimental Brain Research, 2010, 201, 875-884.	0.7	30
48	A comparative study of performance in simple and choice reaction time tasks between obese and healthy-weight children. Research in Developmental Disabilities, 2013, 34, 2635-2641.	1.2	30
49	Talent in Female Gymnastics: a Survival Analysis Based upon Performance Characteristics. International Journal of Sports Medicine, 2015, 36, 935-940.	0.8	30
50	Planning and on-line control of catching as a function of perceptual-motor constraints. Acta Psychologica, 2007, 126, 59-78.	0.7	29
51	Predictive models reduce talent development costs in female gymnastics. Journal of Sports Sciences, 2017, 35, 806-811.	1.0	28
52	A hazard-perception test for cycling children: An exploratory study. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 41, 182-194.	1.8	26
53	Children's cycling skills: Development of a test and determination of individual and environmental correlates. Accident Analysis and Prevention, 2013, 50, 688-697.	3.0	25
54	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. International Journal of Health Geographics, 2016, 15, 41.	1.2	24

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55	Reduced motor competence in children with obesity is associated with structural differences in the cerebellar peduncles. Brain Imaging and Behavior, 2018, 12, 1000-1010.	1.1	24
56	The role of vision in obese and normal-weight children's gait control. Gait and Posture, 2011, 33, 179-184.	0.6	23
57	Accuracy of maturity prediction equations in individual elite male football players. Annals of Human Biology, 2020, 47, 409-416.	0.4	23
58	Convergent and Divergent Validity Between the KTK and MOT 4-6 Motor Tests in Early Childhood. Adapted Physical Activity Quarterly, 2016, 33, 33-47.	0.6	22
59	Test-Retest Reliability and Validity of a Child and Parental Questionnaire on Specific Determinants of Cycling to School. Pediatric Exercise Science, 2012, 24, 289-311.	0.5	19
60	Identification of elite performance characteristics in a small sample of taekwondo athletes. PLoS ONE, 2019, 14, e0217358.	1.1	18
61	Gaze behaviour during walking in young adults with developmental coordination disorder. Human Movement Science, 2020, 71, 102616.	0.6	18
62	Validation of a Motor Competence Assessment Tool for Children and Adolescents (KTK3+) With Normative Values for 6- to 19-Year-Olds. Frontiers in Physiology, 2021, 12, 652952.	1.3	18
63	Ecological Relevance of Stereopsis in One-Handed Ball-Catching. Perceptual and Motor Skills, 1999, 89, 495-508.	0.6	17
64	Is gaze behaviour in a laboratory context similar to that in real-life? A study in bicyclists. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 43, 131-140.	1.8	17
65	The implications of low quality bicycle paths on the gaze behaviour of young learner cyclists. Transportation Research Part F: Traffic Psychology and Behaviour, 2017, 48, 52-60.	1.8	17
66	Weight loss, behavioral change, and structural neuroplasticity in children with obesity through a multidisciplinary treatment program. Human Brain Mapping, 2019, 40, 137-150.	1.9	16
67	A longitudinal study investigating the stability of anthropometry and soccer-specific endurance in pubertal high-level youth soccer players. Journal of Sports Science and Medicine, 2015, 14, 418-26.	0.7	16
68	Development of cycling skills in 7- to 12-year-old children. Traffic Injury Prevention, 2016, 17, 736-742.	0.6	15
69	The use of the KÃ¶rperkoordinationstest fÃ¼r Kinder in the talent pathway in youth athletes: A systematic review. Journal of Science and Medicine in Sport, 2019, 22, 1021-1029.	0.6	15
70	Effects of contrasting colour patterns of the ball in the volleyball reception. Journal of Sports Sciences, 2005, 23, 871-879.	1.0	14
71	The contribution of stereo vision to the control of braking. Accident Analysis and Prevention, 2008, 40, 719-724.	3.0	14
72	A coachesâ€™ perspective on the contribution of anthropometry, physical performance, and motor coordination in racquet sports. Journal of Sports Sciences, 2018, 36, 2706-2715.	1.0	14

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73	To know or not to know: influence of explicit advance knowledge of occlusion on interceptive actions. Experimental Brain Research, 2011, 214, 483-490.	0.7	13
74	Recognizing Induced Emotions of Happiness and Sadness from Dance Movement. PLoS ONE, 2014, 9, e89773.	1.1	13
75	The importance of performance in youth competitions as an indicator of future success in cycling. European Journal of Sport Science, 2022, 22, 481-490.	1.4	13
76	Children Involved in Team Sports Show Superior Executive Function Compared to Their Peers Involved in Self-Paced Sports. Children, 2021, 8, 264.	0.6	13
77	Understanding the development of bicycling skills in children: A systematic review. Safety Science, 2020, 123, 104562.	2.6	12
78	Structural connectivity and weight loss in children with obesity: a study of the â€œconnectobeseâ€• International Journal of Obesity, 2019, 43, 2309-2321.	1.6	11
79	Differences in Weight Status and Autonomous Motivation towards Sports among Children with Various Profiles of Motor Competence and Organized Sports Participation. Children, 2021, 8, 156.	0.6	11
80	The development of perceptual-cognitive skills in youth volleyball players. Journal of Sports Sciences, 2021, 39, 1911-1925.	1.0	11
81	Visual guidance during bicycle steering through narrow lanes: A study in children. Accident Analysis and Prevention, 2015, 78, 8-13.	3.0	10
82	Similarities and differences between sports subserving systematic talent transfer and development: The case of paddle sports. Journal of Science and Medicine in Sport, 2021, 24, 200-205.	0.6	10
83	Change-Point Detection of Peak Tibial Acceleration in Overground Running Retraining. Sensors, 2020, 20, 1720.	2.1	9
84	Expert â€“ Non-expert differences in visual behaviour during alpine slalom skiing. Human Movement Science, 2017, 55, 229-239.	0.6	8
85	Longâ€term effectiveness of a fundamental motor skill intervention in Belgian children: A 6â€year followâ€up. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 23-34.	1.3	8
86	An exploratory study of gaze behaviour in young adults with developmental coordination disorder. Human Movement Science, 2020, 73, 102656.	0.6	7
87	Profiles of Physical Fitness and Fitness Enjoyment Among Children: Associations With Sports Participation. Research Quarterly for Exercise and Sport, 2020, , 1-10.	0.8	7
88	Developmental perspectives on motor competence and physical fitness in youth. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 5-7.	1.3	7
89	Saccadic eye movements and finger reaction times of table tennis players of different levels. Neuro-Ophthalmology, 2000, 24, 335-338.	0.4	6
90	Implicit advance knowledge effects on the interplay between arm movements and postural adjustments in catching. Neuroscience Letters, 2012, 518, 117-121.	1.0	6

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91	Multilevel modelling of longitudinal changes in isokinetic knee extensor and flexor strength in adolescent soccer players. Annals of Human Biology, 2018, 45, 453-456.	0.4	6
92	Collective behaviour in high and low-level youth soccer teams. Science and Medicine in Football, 2022, 6, 164-171.	1.0	6
93	Emotional intelligence and motor competence in children, adolescents, and young adults. European Journal of Developmental Psychology, 2023, 20, 66-85.	1.0	6
94	The â€œhowâ€•and â€œwhyâ€•of the ancient Greek long jump with weights: A five-fold symmetric jump in a row?. Journal of Sports Sciences, 2005, 23, 1033-1043.	1.0	5
95	Young Adults With Developmental Coordination Disorder Adopt a Different Visual Strategy During a Hazard Perception Test for Cyclists. Frontiers in Psychology, 2021, 12, 665189.	1.1	5
96	The association between mental rotation capacity and motor impairment in children with obesityâ€”an exploratory study. PeerJ, 2019, 7, e8150.	0.9	5
97	Forecasting the development of explosive leg power in youth soccer players. Science and Medicine in Football, 2019, 3, 131-137.	1.0	4
98	Discriminating performance profiles of cycling disciplines. International Journal of Sports Science and Coaching, 2021, 16, 110-122.	0.7	3
99	Traditional high jump Gusimbuka Urukiramende: Could early 20th century African athletes beat Olympic champions?. Journal of Sports Sciences, 2021, 39, 1-7.	1.0	1
100	The Use of Contextual Information for Anticipation of Badminton Shots in Different Expertise Levels. Research Quarterly for Exercise and Sport, 2023, 94, 15-23.	0.8	1
101	A Variable- and Person-Centered Approach to Further Understand the Relationship Between Actual and Perceived Motor Competence in Children. Journal of Teaching in Physical Education, 2021, , 1-10.	0.9	0
102	A Physical Education Program Based Upon an Obstacle Course Positively Affects Motor Competence in 6- to 7-Year-Old Children: A Pilot Study. Journal of Teaching in Physical Education, 2021, , 1-12.	0.9	0
103	Does music affect performance on a hazard perception test for cyclists?. Ergonomics, 2022, , 1-30.	1.1	0