

Robert D Catena

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

792
citations

687363

13
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Cognitive task effects on gait stability following concussion. <i>Experimental Brain Research</i> , 2007, 176, 23-31.	1.5	140
2	Altered balance control following concussion is better detected with an attention test during gait. <i>Gait and Posture</i> , 2007, 25, 406-411.	1.4	101
3	Different gait tasks distinguish immediate vs. long-term effects of concussion on balance control. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2009, 6, 25.	4.6	88
4	The effects of attention capacity on dynamic balance control following concussion. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 8.	4.6	68
5	Effects of a secondary task on obstacle avoidance in healthy young adults. <i>Experimental Brain Research</i> , 2008, 184, 115-120.	1.5	65
6	Concussed athletes walk slower than non-concussed athletes during cognitive-motor dual-task assessments but not during single-task assessments 2 months after sports concussion: a systematic review and meta-analysis using individual participant data. <i>British Journal of Sports Medicine</i> , 2020, 54, 94-101.	6.7	63
7	Spatial orientation of attention and obstacle avoidance following concussion. <i>Experimental Brain Research</i> , 2009, 194, 67-77.	1.5	56
8	Walking balance on a treadmill changes during pregnancy. <i>Gait and Posture</i> , 2018, 66, 146-150.	1.4	20
9	CyclePro: A Robust Framework for Domain-Agnostic Gait Cycle Detection. <i>IEEE Sensors Journal</i> , 2019, 19, 3751-3762.	4.7	19
10	A comparison of methods to determine center of mass during pregnancy. <i>Journal of Biomechanics</i> , 2018, 71, 217-224.	2.1	18
11	Anthropometry, standing posture, and body center of mass changes up to 28 weeks postpartum in Caucasians in the United States. <i>Gait and Posture</i> , 2019, 70, 196-202.	1.4	16
12	The effect of load weight on balance control during lateral box transfers. <i>Ergonomics</i> , 2010, 53, 1359-1367.	2.1	15
13	Does the anthropometric model influence whole-body center of mass calculations in gait?. <i>Journal of Biomechanics</i> , 2017, 59, 23-28.	2.1	15
14	Stand-to-sit kinematic changes during pregnancy correspond with reduced sagittal plane hip motion. <i>Clinical Biomechanics</i> , 2019, 67, 107-114.	1.2	14
15	Balance control during lateral load transfers over a slippery surface. <i>Ergonomics</i> , 2011, 54, 1060-1071.	2.1	12
16	Biomechanics and Injury Risk Assessment of Falls onto Protective Floor Mats. <i>Rehabilitation Nursing</i> , 2011, 36, 248-254.	0.5	12
17	Anthropometric Changes During Pregnancy Provide Little Explanation of Dynamic Balance Changes. <i>Journal of Applied Biomechanics</i> , 2019, 35, 232-239.	0.8	12
18	Correlations between joint kinematics and dynamic balance control during gait in pregnancy. <i>Gait and Posture</i> , 2020, 80, 106-112.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Guided Handsâ€œOn Activities Can Improve Student Learning in a Lectureâ€œBased Qualitative Biomechanics Course. <i>Anatomical Sciences Education</i> , 2019, 12, 485-493.	3.7	10
20	Effect of aging on inter-joint synergies during machine-paced assembly tasks. <i>Experimental Brain Research</i> , 2013, 231, 249-256.	1.5	9
21	An analysis of postpartum walking balance and the correlations to anthropometry. <i>Gait and Posture</i> , 2020, 76, 270-276.	1.4	9
22	Lower extremity kinematics that correlate with success in lateral load transfers over a low friction surface. <i>Ergonomics</i> , 2015, 58, 1571-1580.	2.1	5
23	Self-selection of gestational lumbopelvic posture and bipedal evolution. <i>Gait and Posture</i> , 2021, 89, 7-13.	1.4	4
24	Physical Activity Monitor Accuracy for Overground Walking and Free-Living Conditions Among Pregnant Women. <i>Journal for the Measurement of Physical Behaviour</i> , 2020, 3, 100-109.	0.8	4
25	Hip and knee net joint moments that correlate with success in lateral load transfers over a low friction surface. <i>Ergonomics</i> , 2016, 59, 1637-1645.	2.1	3
26	Shoulder and elbow requirements during sagittal reach as a result of changing anthropometry throughout pregnancy. <i>Applied Ergonomics</i> , 2021, 94, 103411.	3.1	2
27	Longitudinal Trends for Pregnancy Physical Activity as Assessed through Objective and Self-Report Methods. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 829.	0.4	1
28	Concussion Assessment During Gait. , 2016, , 1-18.		0
29	Concussion Assessment During Gait. , 2018, , 1307-1324.		0
30	Is Kinesiology a Bridge to STEM Engagement? Sport Science Labs in High School. <i>Northwest Journal of Teacher Education</i> , 0, , .	0.2	0