Adam Rozumalski

List of Publications by Year in descending order

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ADAM ROZUMALSKI

#	Article	IF	CITATIONS
1	The gait deviation index: A new comprehensive index of gait pathology. Gait and Posture, 2008, 28, 351-357.	1.4	587
2	The Gait Profile Score and Movement Analysis Profile. Gait and Posture, 2009, 30, 265-269.	1.4	559
3	A new method for estimating joint parameters from motion data. Journal of Biomechanics, 2005, 38, 107-116.	2.1	437
4	The effect of walking speed on the gait of typically developing children. Journal of Biomechanics, 2008, 41, 1639-1650.	2.1	434
5	Muscle synergies and complexity of neuromuscular control during gait in cerebral palsy. Developmental Medicine and Child Neurology, 2015, 57, 1176-1182.	2.1	258
6	Dynamic motor control is associated with treatment outcomes for children with cerebral palsy. Developmental Medicine and Child Neurology, 2016, 58, 1139-1145.	2.1	105
7	Crouch gait patterns defined using k-means cluster analysis are related to underlying clinical pathology. Gait and Posture, 2009, 30, 155-160.	1.4	81
8	The in vivo three-dimensional motion of the human lumbar spine during gait. Gait and Posture, 2008, 28, 378-384.	1.4	79
9	Femoral derotational osteotomy: Surgical indications and outcomes in children with cerebral palsy. Gait and Posture, 2014, 39, 778-783.	1.4	64
10	The GDI-Kinetic: A new index for quantifying kinetic deviations from normal gait. Gait and Posture, 2011, 33, 730-732.	1.4	63
11	Predicting the outcome of intramuscular psoas lengthening in children with cerebral palsy using preoperative gait data and the random forest algorithm. Gait and Posture, 2013, 37, 473-479.	1.4	49
12	An exploration of the function of the triceps surae during normal gait using functional electrical stimulation. Gait and Posture, 2007, 26, 482-488.	1.4	45
13	Quantifying the Spring-Like Properties of Ankle-Foot Orthoses (AFOs). Journal of Prosthetics and Orthotics, 2007, 19, 98-103.	0.4	32
14	Muscle synergies are similar when typically developing children walk on a treadmill at different speeds and slopes. Journal of Biomechanics, 2017, 64, 112-119.	2.1	31
15	Treadmill vs. overground running gait during childhood: A qualitative and quantitative analysis. Gait and Posture, 2015, 41, 613-618.	1.4	27
16	Long-term changes in femoral anteversion and hip rotation following femoral derotational osteotomy in children with cerebral palsy. Gait and Posture, 2016, 50, 223-228.	1.4	23
17	Evaluation of Conventional Selection Criteria for Psoas Lengthening for Individuals With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2011, 31, 534-540.	1.2	19
18	Anterior Guided Growth of the Distal Femur for Knee Flexion Contracture: Clinical, Radiographic, and Motion Analysis Results. Journal of Pediatric Orthopaedics, 2019, 39, e360-e365.	1.2	19

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19	Three-Dimensional Lumbar Spine Vertebral Motion During Running Using Indwelling Bone Pins. Spine, 2014, 39, E1560-E1565.	2.0	17
20	Assessment of Three-Dimensional Lumbar Spine Vertebral Motion During Gait with Use of Indwelling Bone Pins. Journal of Bone and Joint Surgery - Series A, 2013, 95, e184.	3.0	14
21	Synergies analysis produces consistent results between motion analysis laboratories. Gait and Posture, 2021, 86, 139-143.	1.4	7
22	Muscle synergy complexity is related to selective motor control in cerebral palsy. Gait and Posture, 2014, 39, S40.	1.4	4
23	Individual muscle force–energy rate is altered during crouch gait: A neuro-musculoskeletal evaluation. Journal of Biomechanics, 2022, 139, 111141.	2.1	2
24	A comparison of functional and regression-based hip joint centers in persons with achondroplasia. Gait and Posture, 2009, 30, S81-S82.	1.4	1
25	20. Visualizing and Quantifying the In Vivo Three-dimensional Motion of the Human Lumbar Spine During Functional Activities. Spine Journal, 2007, 7, 10S.	1.3	0
26	Crouch gait patterns derived from cluster analysis are related to clinical parameters and surgical interventions. Gait and Posture, 2009, 30, S99-S100.	1.4	0