## Tishya A L Wren

List of Publications by Year in descending order

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TICHYA A I MIDEN

#	Article	IF	CITATIONS
1	Mechanical properties of the human achilles tendon. Clinical Biomechanics, 2001, 16, 245-251.	1.2	377
2	Prevalence of Specific Gait Abnormalities in Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2005, 25, 79-83.	1.2	313
3	Low-Level, High-Frequency Mechanical Signals Enhance Musculoskeletal Development of Young Women With Low BMD. Journal of Bone and Mineral Research, 2006, 21, 1464-1474.	2.8	299
4	Efficacy of clinical gait analysis: A systematic review. Gait and Posture, 2011, 34, 149-153.	1.4	240
5	Effects of Creep and Cyclic Loading on the Mechanical Properties and Failure of Human Achilles Tendons. Annals of Biomedical Engineering, 2003, 31, 710-717.	2.5	205
6	Three-Point Technique of Fat Quantification of Muscle Tissue as a Marker of Disease Progression in Duchenne Muscular Dystrophy: Preliminary Study. American Journal of Roentgenology, 2008, 190, W8-W12.	2.2	181
7	The Determinants of Peak Bone Mass. Journal of Pediatrics, 2017, 180, 261-269.	1.8	147
8	Bone Marrow Fat Is Inversely Related to Cortical Bone in Young and Old Subjects. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 782-786.	3.6	138
9	Cross-correlation as a method for comparing dynamic electromyography signals during gait. Journal of Biomechanics, 2006, 39, 2714-2718.	2.1	118
10	Prevalence of specific gait abnormalities in children with cerebral palsy revisited: influence of age, prior surgery, and Gross Motor Function Classification System level. Developmental Medicine and Child Neurology, 2017, 59, 79-88.	2.1	98
11	Longitudinal Tracking of Dual-Energy X-ray Absorptiometry Bone Measures Over 6 Years in Children and Adolescents: Persistence of Low Bone Mass to Maturity. Journal of Pediatrics, 2014, 164, 1280-1285.e2.	1.8	96
12	Bone Densitometry in Pediatric Populations: Discrepancies in the Diagnosis of Osteoporosis by DXA and CT. Journal of Pediatrics, 2005, 146, 776-779.	1.8	89
13	Achilles Tendon Length and Medial Gastrocnemius Architecture in Children With Cerebral Palsy and Equinus Gait. Journal of Pediatric Orthopaedics, 2010, 30, 479-484.	1.2	88
14	Influence of gait analysis on decision-making for lower extremity orthopaedic surgery: Baseline data from a randomized controlled trial. Gait and Posture, 2011, 34, 364-369.	1.4	83
15	Effect of High-frequency, Low-magnitude Vibration on Bone and Muscle in Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2010, 30, 732-738.	1.2	77
16	Racial Disparity in Fracture Risk between White and Nonwhite Children in the United States. Journal of Pediatrics, 2012, 161, 1035-1040.e2.	1.8	72
17	Clinical efficacy of instrumented gait analysis: Systematic review 2020 update. Gait and Posture, 2020, 80, 274-279.	1.4	66
18	Outcomes of lower extremity orthopedic surgery in ambulatory children with cerebral palsy with and without gait analysis: Results of a randomized controlled trial. Gait and Posture, 2013, 38, 236-241.	1.4	63

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19	Gastrocnemius and soleus lengths in cerebral palsy equinus gait—differences between children with and without static contracture and effects of gastrocnemius recession. Journal of Biomechanics, 2004, 37, 1321-1327.	2.1	57
20	Gillette Gait Index as a Gait Analysis Summary Measure. Journal of Pediatric Orthopaedics, 2007, 27, 765-768.	1.2	54
21	Hop Distance Symmetry Does Not Indicate Normal Landing Biomechanics in Adolescent Athletes With Recent Anterior Cruciate Ligament Reconstruction. Journal of Orthopaedic and Sports Physical Therapy, 2018, 48, 622-629.	3.5	54
22	Quantitative CT Reference Values for Vertebral Trabecular Bone Density in Children and Young Adults. Radiology, 2009, 250, 222-227.	7.3	48
23	Impact of gait analysis on correction of excessive hip internal rotation in ambulatory children with cerebral palsy: a randomized controlled trial. Developmental Medicine and Child Neurology, 2013, 55, 919-925.	2.1	48
24	Reliability and Validity of Visual Assessments of Gait Using a Modified Physician Rating Scale for Crouch and Foot Contact. Journal of Pediatric Orthopaedics, 2005, 25, 646-650.	1.2	47
25	Use of a patella marker to improve tracking of dynamic hip rotation range of motion. Gait and Posture, 2008, 27, 530-534.	1.4	46
26	Changes in Pelvic Rotation After Soft Tissue and Bony Surgery in Ambulatory Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2004, 24, 278-282.	1.2	45
27	Effects of Preoperative Gait Analysis on Costs and Amount of Surgery. Journal of Pediatric Orthopaedics, 2009, 29, 558-563.	1.2	44
28	Limitations of Peripheral Quantitative Computed Tomography Metaphyseal Bone Density Measurements. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 4248-4253.	3.6	43
29	A model for loading-dependent growth, development, and adaptation of tendons and ligaments. Journal of Biomechanics, 1997, 31, 107-114.	2.1	42
30	Timing of Peak Bone Mass: Discrepancies between CT and DXA. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 938-941.	3.6	41
31	Repeat Hamstring Lengthening for Crouch Gait in Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2013, 33, 501-504.	1.2	40
32	A computational model for the adaptation of muscle and tendon length to average muscle length and minimum tendon strain. Journal of Biomechanics, 2003, 36, 1117-1124.	2.1	30
33	Comparison of 2 Orthotic Approaches in Children With Cerebral Palsy. Pediatric Physical Therapy, 2015, 27, 218-226.	0.6	29
34	Assessing bone mass in children and adolescents. Current Osteoporosis Reports, 2006, 4, 153-158.	3.6	28
35	Assessment of Bone Acquisition in Childhood and Adolescence. Pediatrics, 2007, 119, S145-S149.	2.1	26
36	Bone density and size in ambulatory children with cerebral palsy. Developmental Medicine and Child Neurology, 2011, 53, 137-141.	2.1	26

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37	Differences in implementation of gait analysis recommendations based on affiliation with a gait laboratory. Gait and Posture, 2013, 37, 206-209.	1.4	24
38	Comparison of drop jump landing biomechanics and asymmetry among adolescents with hamstring, patellar and quadriceps tendon autografts for anterior cruciate ligament reconstruction. Knee, 2018, 25, 1065-1073.	1.6	24
39	Increased Lumbar Lordosis and Smaller Vertebral Cross-Sectional Area Are Associated With Spondylolysis. Spine, 2018, 43, 833-838.	2.0	23
40	Concurrent and Discriminant Validity of Spanish Language Instruments for Measuring Functional Health Status. Journal of Pediatric Orthopaedics, 2008, 28, 199-212.	1.2	22
41	Predictors of outcome of distal rectus femoris transfer surgery in ambulatory children with cerebral palsy. Journal of Pediatric Orthopaedics Part B, 2009, 18, 58-62.	0.6	22
42	Long-term Ambulatory Change After Lower Extremity Orthopaedic Surgery in Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2015, 35, 285-289.	1.2	20
43	Long term functional outcomes after early childhood pollicization. Journal of Hand Therapy, 2015, 28, 158-166.	1.5	19
44	How closely do surgeons follow gait analysis recommendations and why?. Journal of Pediatric Orthopaedics Part B, 2005, 14, 202-205.	0.6	18
45	Fat distribution in children and adolescents with myelomeningocele. Developmental Medicine and Child Neurology, 2015, 57, 273-278.	2.1	18
46	Sexual Dimorphism and the Origins of Human Spinal Health. Endocrine Reviews, 2018, 39, 221-239.	20.1	18
47	Impact of gait analysis on pathology identification and surgical recommendations in children with spina bifida. Gait and Posture, 2019, 67, 128-132.	1.4	18
48	Agreement Among Three Instruments for Measuring Functional Health Status and Quality of Life in Pediatric Orthopaedics. Journal of Pediatric Orthopaedics, 2007, 27, 233-240.	1.2	17
49	Static and Dynamic Gait Parameters Before and After Multilevel Soft Tissue Surgery in Ambulating Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2010, 30, 174-179.	1.2	17
50	Percutaneous Hamstring Lengthening Surgery is as Effective as Open Lengthening in Children With Cerebral Palsy. Journal of Pediatric Orthopaedics, 2019, 39, 366-371.	1.2	16
51	Walking activity during daily living in children with myelomeningocele. Disability and Rehabilitation, 2017, 39, 1422-1427.	1.8	14
52	A comparison of three methods of measuring tibial torsion in children with myelomeningocele and normally developing children. Clinical Anatomy, 2017, 30, 1043-1048.	2.7	14
53	Improvements in landing biomechanics following anterior cruciate ligament reconstruction in adolescent athletes. Sports Biomechanics, 2020, 19, 738-749.	1.6	14
54	A randomized controlled trial testing an adherence-optimized Vitamin D regimen to mitigate bone change in adolescents being treated for acute lymphoblastic leukemia. Leukemia and Lymphoma, 2017, 58, 2370-2378.	1.3	13

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55	Movement variability in pre-teen and teenage athletes performing sports related tasks. Gait and Posture, 2020, 80, 228-233.	1.4	13
56	Pre-operative hamstring length and velocity do not explain the reduced effectiveness of repeat hamstring lengthening in children with cerebral palsy and crouch gait. Gait and Posture, 2019, 68, 323-328.	1.4	12
57	Contribution of the Vertebral Posterior Elements in Anterior–Posterior DXA Spine Scans in Young Subjects. Journal of Bone and Mineral Research, 2009, 24, 1398-1403.	2.8	11
58	An approach for determining quantitative measures for bone volume and bone mass in the pediatric spina bifida population. Clinical Biomechanics, 2015, 30, 748-754.	1.2	11
59	Small vertebral cross-sectional area and tall intervertebral disc in adolescent idiopathic scoliosis. Pediatric Radiology, 2016, 46, 1424-1429.	2.0	11
60	Effect of Tibia Marker Placement on Kinematics in Pathological Gait. Journal of Applied Biomechanics, 2016, 32, 603-607.	0.8	11
61	Anterior distal femoral hemiepiphysiodesis with and without patellar tendon shortening for fixed knee flexion contractures in children with cerebral palsy. Journal of Children's Orthopaedics, 2020, 14, 415-420.	1.1	11
62	Development of Calcaneal Gait Without Prior Triceps Surae Lengthening: An Examination of Predictive Factors. Journal of Pediatric Orthopaedics, 2010, 30, 240-243.	1.2	10
63	Prior Treatment of Fracture Patients in a Tertiary Pediatric Emergency Department. Journal of Pediatric Orthopaedics, 2009, 29, 137-141.	1.2	9
64	Fasting serum blood measures of bone and lipid metabolism in children with myelomeningocele for early detection of cardiovascular and bone fragility risk factors. Journal of Spinal Cord Medicine, 2017, 40, 193-200.	1.4	9
65	Myosteatosis in adolescents and young adults treated for acute lymphoblastic leukemia. Leukemia and Lymphoma, 2019, 60, 3146-3153.	1.3	9
66	Quantitative assessment of dynamic control of fingertip forces after pollicization. Gait and Posture, 2015, 41, 1-6.	1.4	8
67	Association Between Vertebral Cross-sectional Area and Vertebral Wedging in Children and Adolescents: A Cross-sectional Analysis. Journal of Bone and Mineral Research, 2017, 32, 2257-2262.	2.8	8
68	Causes of out-toeing gait in children with cerebral palsy. Gait and Posture, 2020, 76, 141-145.	1.4	8
69	Predictors of Walking Activity in Children and Adolescents With Myelomeningocele. Archives of Physical Medicine and Rehabilitation, 2020, 101, 450-456.	0.9	8
70	Iliotibial Band Autograft Provides the Fastest Recovery of Knee Extensor Mechanism Function in Pediatric Anterior Cruciate Ligament Reconstruction. International Journal of Environmental Research and Public Health, 2021, 18, 7492.	2.6	8
71	Heterogeneity of muscle fat infiltration in children with spina bifida. Research in Developmental Disabilities, 2014, 35, 215-222.	2.2	7
72	Relationships among classifications of impairment and measures of ambulatory function for children with spina bifida. Disability and Rehabilitation, 2021, 43, 3696-3700.	1.8	7

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73	Association between vertebral cross-sectional area and lumbar lordosis angle in adolescents. PLoS ONE, 2017, 12, e0172844.	2.5	7
74	Comparison of lateral shuffle and side-step cutting in young recreational athletes. Gait and Posture, 2016, 44, 189-193.	1.4	6
75	Advanced skeletal maturity in children and adolescents with myelomeningocele. Journal of Pediatric Rehabilitation Medicine, 2017, 10, 283-293.	0.5	6
76	Assessing the effects of sleep on neurocognitive performance and injury rate in adolescent athletes using actigraphy. Research in Sports Medicine, 2020, 28, 498-506.	1.3	6
77	A Simple Method to Obtain Consistent and Clinically Meaningful Pelvic Angles from Euler Angles during Gait Analysis. Journal of Applied Biomechanics, 2007, 23, 218-223.	0.8	5
78	Quantitative Analysis of Lower Leg Adipose Tissue Distribution in Youth with Myelomeningocele. Journal of Child Neurology, 2016, 31, 979-984.	1.4	5
79	The prevalence and risk factors for foot pressure ulcers in ambulatory pediatric patients with spina bifida. Disability and Rehabilitation, 2021, 43, 1287-1291.	1.8	5
80	Normalizing Lower Extremity Strength Data for Children, Adolescents, and Young Adults with Cerebral Palsy. Journal of Applied Biomechanics, 2009, 25, 195-202.	0.8	4
81	Quantitative Computed Tomography Assessment of Bone Deficits in Ambulatory Children and Adolescents with Spina Bifida: Importance of Puberty. JBMR Plus, 2020, 4, e10427.	2.7	4
82	Evolving Role of Imaging in the Evaluation of Bone Structure. Journal of Bone and Mineral Research, 2009, 24, 1943-1945.	2.8	3
83	Excessive Hip Flexion During Gait in Patients With Static Encephalopathy. Journal of Pediatric Orthopaedics, 2010, 30, 562-567.	1.2	3
84	Children with myelomeningocele do not exhibit normal remodeling of tibia roundness with physical development. Bone, 2018, 114, 292-297.	2.9	3
85	Hip Dysplasia Is Not More Common in W-Sitters. Clinical Pediatrics, 2020, 59, 1074-1079.	0.8	3
86	Vertebral cross-sectional growth: A predictor of vertebral wedging in the immature skeleton. PLoS ONE, 2017, 12, e0190225.	2.5	2
87	Gait and Posture Virtual Special Issue "Clinical Impact of Instrumented Motion Analysis― Gait and Posture, 2020, 82, 108-109.	1.4	2
88	Effect of Static Alignment on Dynamic Knee Abduction Moments in Adolescent Athletes with Recent ACL Reconstruction. Medicine and Science in Sports and Exercise, 2021, 53, 1555-1560.	0.4	2
89	Assessing bone accrual in cerebral palsy: new longitudinal data and future needs. Developmental Medicine and Child Neurology, 2015, 57, 990-991.	2.1	1
90	Biomechanical Symmetry during Drop Jump Landing and Takeoff in Adolescent Athletes Following Recent Anterior Cruciate Ligament Reconstruction. Symmetry, 2021, 13, 639.	2.2	1

#	ARTICLE	IF	CITATIONS
91	Cost savings for single event multilevel surgery in comparison to sequential surgery in ambulatory children with cerebral palsy. Gait and Posture, 2022, 96, 53-59.	1.4	1
92	Bone Density. , 2015, , 903-915.		0
93	Increased Asymmetry of Trunk, Pelvis, and Hip Motion during Gait in Ambulatory Children with Spina Bifida. Symmetry, 2021, 13, 1595.	2.2	0
94	Validity of the McMurray Test for Meniscal Tear in Pediatric and Adolescent Patients. Clinical Journal of Sport Medicine, 2022, Publish Ahead of Print, .	1.8	0