John D Willson

List of Publications by Year
in descending order

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62	4,894	168829 31	139680 61
papers	citations	h-index	g-index

63	63	63	3510
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In silico modeling of tibial fatigue life in physically active males and females during different exercise protocols. Biomedical Physics and Engineering Express, 2022, 8, 035019.	0.6	0
2	Peak and Per-Step Tibial Bone Stress During Walking and Running in Female and Male Recreational Runners. American Journal of Sports Medicine, 2021, 49, 2227-2237.	1.9	19
3	Prefrontal and Vestibular Cortex Activation During Overground and Treadmill Walking. Advances in Intelligent Systems and Computing, 2021, , 225-230.	0.5	1
4	Thoracic spine manipulation did not improve maximal mouth opening in participants with temporomandibular dysfunction. Physiotherapy Research International, 2020, 25, e1824.	0.7	3
5	Relationships of hip abductor strength, neuromuscular control, and hip width to femoral length ratio with peak hip adduction angle in healthy female runners. Journal of Sports Sciences, 2020, 38, 2291-2297.	1.0	10
6	The Neck Disability Index is Not Correlated with Some Parameters of Temporomandibular Disorders: A Cross-Sectional Study. Journal of Oral and Facial Pain and Headache, 2019, 33, 39-46.	0.7	9
7	Effects of Load Carriage and Step Length Manipulation on Achilles Tendon and Knee Loads. Military Medicine, 2019, 184, e482-e489.	0.4	13
8	Tibiofemoral Joint Forces in Female Recreational Runners Vary with Step Frequency. Medicine and Science in Sports and Exercise, 2019, 51, 1444-1450.	0.2	6
9	Knee Frontal Plane Projection Angle: A Comparison Study Between Drop Vertical Jump and Step-Down Tests With Young Volleyball Athletes. Journal of Sport Rehabilitation, 2019, 28, 153-158.	0.4	13
10	The relationships between physical capacity and biomechanical plasticity in old adults during level and incline walking. Journal of Biomechanics, 2018, 69, 90-96.	0.9	19
11	Walking velocity and step length adjustments affect knee joint contact forces in healthy weight and obese adults. Journal of Orthopaedic Research, 2018, 36, 2679-2686.	1.2	20
12	Shoe cushioning affects lower extremity joint contact forces during running. Footwear Science, 2018, 10, 109-117.	0.8	14
13	Achilles tendon loading during weight bearing exercises. Physical Therapy in Sport, 2018, 32, 260-268.	0.8	14
14	Knee contact forces and lower extremity support moments during running in young individuals post-partial meniscectomy. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 115-122.	2.3	19
15	Elevated Knee Joint Kinetics and Reduced Ankle Kinetics Are Present During Jogging and Hopping After Achilles Tendon Ruptures. American Journal of Sports Medicine, 2017, 45, 1124-1133.	1.9	52
16	Reduced step length reduces knee joint contact forces during running following anterior cruciate ligament reconstruction but does not alter inter-limb asymmetry. Clinical Biomechanics, 2017, 43, 79-85.	0.5	33
17	Minimum Detectable Change in Medial Tibiofemoral Contact Force Parameters: Derivation and Application to a Load-Altering Intervention. Journal of Applied Biomechanics, 2017, 33, 171-175.	0.3	10
18	Gait biomechanics of skipping are substantially different than those of running. Journal of Biomechanics, 2017, 64, 180-185.	0.9	8

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19	Sex-specific kinetic and kinematic indicators of medial tibiofemoral force during walking and running. Knee, 2017, 24, 1317-1325.	0.8	14
20	Validity, Reliability, and Normative Values for Clinically-Assessed Frontal Tibial Orientation as a Measure of Varus-Valgus Knee Alignment. International Journal of Athletic Therapy and Training, 2017, 22, 29-33.	0.1	6
21	Independent effects of step length and foot strike pattern on tibiofemoral joint forces during running. Journal of Sports Sciences, 2017, 35, 2005-2013.	1.0	29
22	Patellofemoral Joint and Achilles Tendon Loads During Overground and Treadmill Running. Journal of Orthopaedic and Sports Physical Therapy, 2016, 46, 664-672.	1.7	54
23	The effects of body-borne loads and cadence manipulation on patellofemoral and tibiofemoral joint kinetics during running. Journal of Biomechanics, 2016, 49, 4028-4033.	0.9	25
24	Inâ€field gait retraining and mobile monitoring to address running biomechanics associated with tibial stress fracture. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 197-205.	1.3	116
25	Changes in tibiofemoral contact forces during running in response to in-field gait retraining. Journal of Sports Sciences, 2016, 34, 1602-1611.	1.0	58
26	Two- and Three-Dimensional Relationships Between Knee and Hip Kinematic Motion Analysis: Single-Leg Drop-Jump Landings. Journal of Sport Rehabilitation, 2015, 24, 363-372.	0.4	24
27	Influence of step length and landing pattern on patellofemoral joint kinetics during running. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 736-743.	1.3	75
28	Sex differences in running mechanics and patellofemoral joint kinetics following an exhaustive run. Journal of Biomechanics, 2015, 48, 4155-4159.	0.9	38
29	Plantar Loading Characteristics During Walking in Females With and Without Patellofemoral Pain. Journal of the American Podiatric Medical Association, 2015, 105, 1-7.	0.2	14
30	Bone stress in runners with tibial stress fracture. Clinical Biomechanics, 2015, 30, 895-902.	0.5	43
31	Shortâ€Term Changes in Running Mechanics and Foot Strike Pattern After Introduction to Minimalistic Footwear. PM and R, 2014, 6, 34-43.	0.9	38
32	Patellofemoral pain: consensus statement from the 3rd International Patellofemoral Pain Research Retreat held in Vancouver, September 2013. British Journal of Sports Medicine, 2014, 48, 411-414.	3.1	188
33	Effects of step length on patellofemoral joint stress in female runners with and without patellofemoral pain. Clinical Biomechanics, 2014, 29, 243-247.	0.5	86
34	Comparison of Stance Phase Knee Joint Angles and Moments Using Two Different Surface Marker Representations of the Proximal Shank in Walkers and Runners. Journal of Applied Biomechanics, 2014, 30, 173-178.	0.3	15
35	The Effect of Foot Strike Pattern on Achilles Tendon Load During Running. Annals of Biomedical Engineering, 2013, 41, 1758-1766.	1.3	114
36	Gender Differences in Landing Mechanics Vary Depending on the Type of Landing. Clinical Journal of Sport Medicine, 2013, 23, 52-57.	0.9	25

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37	Effects of Medially Wedged Foot Orthoses on Knee and Hip Joint Running Mechanics in Females With and Without Patellofemoral Pain Syndrome. Journal of Applied Biomechanics, 2013, 29, 68-77.	0.3	38
38	From the Gait Laboratory to the Rehabilitation Clinic: Translation of Motion Analysis and Modeling Data to Interventions That Impact Anterior Cruciate Ligament Loads in Gait and Drop Landing. Critical Reviews in Biomedical Engineering, 2013, 41, 243-258.	0.5	7
39	Peak Muscle Activation, Joint Kinematics, and Kinetics During Elliptical and Stepping Movement Pattern on a Precor Adaptive Motion Trainer. Research Quarterly for Exercise and Sport, 2012, 83, 152-159.	0.8	9
40	Patellofemoral joint stress during running in females with and without patellofemoral pain. Knee, 2012, 19, 703-708.	0.8	53
41	Male and female gluteal muscle activity and lower extremity kinematics during running. Clinical Biomechanics, 2012, 27, 1052-1057.	0.5	81
42	Variation of Anatomical and Physiological Parameters that Affect Estimates of ACL Loading During Drop Landing. The Open Orthopaedics Journal, 2012, 6, 245-249.	0.1	3
43	Effects of a movement training program on hip and knee joint frontal plane running mechanics. International Journal of Sports Physical Therapy, 2012, 7, 637-46.	0.5	23
44	Gluteal muscle activation during running in females with and without patellofemoral pain syndrome. Clinical Biomechanics, 2011, 26, 735-740.	0.5	121
45	Hip-Abductor Fatigue and Single-Leg Landing Mechanics in Women Athletes. Journal of Athletic Training, 2011, 46, 31-42.	0.9	63
46	Comparison of 2D and 3D kinematic changes during a single leg step down following neuromuscular training. Physical Therapy in Sport, 2011, 12, 93-99.	0.8	32
47	Effect of attending to a ball during a side-cut maneuver on lower extremity biomechanics in male and female athletes. Sports Biomechanics, 2010, 9, 165-177.	0.8	36
48	Lower Extremity Strength and Mechanics during Jumping in Women with Patellofemoral Pain. Journal of Sport Rehabilitation, 2009, 18, 76-90.	0.4	113
49	Lower extremity mechanics of females with and without patellofemoral pain across activities with progressively greater task demands. Clinical Biomechanics, 2008, 23, 203-211.	0.5	300
50	Utility of the Frontal Plane Projection Angle in Females With Patellofemoral Pain. Journal of Orthopaedic and Sports Physical Therapy, 2008, 38, 606-615.	1.7	196
51	Lower Extremity Jumping Mechanics of Female Athletes with and without Patellofemoral Pain before and after Exertion. American Journal of Sports Medicine, 2008, 36, 1587-1596.	1.9	80
52	Core Strength and Lower Extremity Alignment during Single Leg Squats. Medicine and Science in Sports and Exercise, 2006, 38, 945-952.	0.2	269
53	The Addition of the Protonics Brace System to a Rehabilitation Protocol to Address Patellofemoral Joint Syndrome. Journal of Orthopaedic and Sports Physical Therapy, 2005, 35, 210-219.	1.7	18
54	Core Stability and Its Relationship to Lower Extremity Function and Injury. Journal of the American Academy of Orthopaedic Surgeons, The, 2005, 13, 316-325.	1.1	449

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55	Comparison of Iodixanol with Iohexol for Delayed Pelvic Venous Opacification:A Preliminary Study of Potential Use for CT Venography. American Journal of Roentgenology, 2004, 183, 123-126.	1.0	6
56	Core Stability Measures as Risk Factors for Lower Extremity Injury in Athletes. Medicine and Science in Sports and Exercise, 2004, 36, 926-934.	0.2	710
57	Comparison of outcomes between males and females after anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2003, 11, 75-80.	2.3	40
58	Hip Strength in Females With and Without Patellofemoral Pain. Journal of Orthopaedic and Sports Physical Therapy, 2003, 33, 671-676.	1.7	599
59	Effects of walking poles on lower extremity gait mechanics. Medicine and Science in Sports and Exercise, 2001, 33, 142-147.	0.2	104
60	The Plantar Loading Variations to Uphill and Downhill Gradients During Treadmill Walking. Foot and Ankle International, 2000, 21, 227-231.	1.1	42
61	Plantar loading and cadence alterations with fatigue. Medicine and Science in Sports and Exercise, 1999, 31, 1828.	0.2	74
62	Species Loss and Ecosystem Functioning: Effects of Species Identity and Community Composition. Oikos, 1998, 81, 389.	1.2	203