Howard Hillstrom

List of Publications by Year
in descending order

71	1,975	304743 22	265206 42
papers	citations	h-index	g-index

73	73	73	1850
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reliability and agreement between two wearable inertial sensor devices for measurement of arm activity during walking and running gait. Journal of Hand Therapy, 2022, 35, 151-154.	1.5	6
2	Knee Kinetics and Kinematics in Patients With Ankle Arthroplasty and Ankle Arthrodesis. HSS Journal, 2022, 18, 408-417.	1.7	3
3	Dynamic Assessment of Femoroacetabular Impingement Syndrome Hips. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2022, 38, 404-416.e3.	2.7	9
4	Brief training of gait and posture using a wearable sensory feedback device with older adults who have fears of falling: A feasibility study. Health and Technology, 2022, 12, 433.	3.6	0
5	Finite Element Modeling of Planus and Rectus Foot Types for the Study of First Metatarsophalangeal and First Metatarsocuneiform Joint Contact Mechanics. Journal of Biomechanical Engineering, 2022, 144, .	1.3	2
6	Is the Planus Foot Type Associated With First Ray Hypermobility?. Foot & Ankle Orthopaedics, 2022, 7, 24730114221081545.	0.2	3
7	The Effects of Adolescent Idiopathic Scoliosis on Axial Rotation of the Spine: A Study of Twisting Using Surface Topography. Children, 2022, 9, 670.	1.5	2
8	Reliability of automated topographic measurements for spine deformity. Spine Deformity, 2022, 10, 1035-1045.	1.5	10
9	Foot Osteoarthritis Frequency and Associated Factors in a Communityâ€Based Crossâ€Sectional Study of White and African American Adults. Arthritis Care and Research, 2021, 73, 1784-1788.	3.4	7
10	Differences in Gait and Stair Ascent After Total Ankle Arthroplasty and Ankle Arthrodesis. Foot and Ankle International, 2021, 42, 347-355.	2.3	14
11	Comparative Reliability of a Novel Electromechanical Device and Handheld Ruler for Measuring First Ray Mobility. Foot and Ankle International, 2021, 42, 107110072110203.	2.3	7
12	ISB recommendations for skin-marker-based multi-segment foot kinematics. Journal of Biomechanics, 2021, 125, 110581.	2.1	13
13	The Association of Parity with Greater Dynamic Pronation of the Feet. PM and R, 2021, 13, 144-152.	1.6	1
14	Biomechanical and Functional Improvements Gained by Proximal Tibia Osteotomy Correction of Genu Varum in Patients with Knee Pain. HSS Journal, 2020, 16, 30-38.	1.7	12
15	Effect of increased serum 25(OH)D and calcium on structure and function of post-menopausal women: a pilot study. Archives of Osteoporosis, 2020, 15, 154.	2.4	4
16	Comparing First Metatarsophalangeal Joint Flexibility in Hallux Rigidus Patients Pre- and Postcheilectomy Using a Novel Flexibility Device. Foot & Ankle Orthopaedics, 2020, 5, 247301142093000.	0.2	2
17	Is the association between knee injury and knee osteoarthritis modified by the presence of general joint hypermobility?. Osteoarthritis and Cartilage Open, 2020, 2, 100045.	2.0	3
18	Biomechanics of the Peroneal Tendons. , 2020, , 23-40.		3

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19	Relationship of Joint Hypermobility with Ankle and Foot Radiographic Osteoarthritis and Symptoms in a Communityâ€Based Cohort. Arthritis Care and Research, 2019, 71, 538-544.	3.4	16
20	Osteoarthritis in England: Incidence Trends From National Health Service Hospital Episode Statistics. ACR Open Rheumatology, 2019, 1, 493-498.	2.1	31
21	Effects of a Medial Knee Unloading Implant on Tibiofemoral Joint Mechanics During Walking. Journal of Orthopaedic Research, 2019, 37, 2149-2156.	2.3	9
22	Relationship of joint hypermobility with low Back pain and lumbar spine osteoarthritis. BMC Musculoskeletal Disorders, 2019, 20, 158.	1.9	15
23	Hip muscle response to a fatiguing run in females with iliotibial band syndrome. Human Movement Science, 2019, 64, 181-190.	1.4	14
24	The relationship between foot arch flexibility and medial-lateral ground reaction force distribution. Gait and Posture, 2019, 69, 46-49.	1.4	17
25	Comprehensive biomechanical characterization of feet in USMA cadets: Comparison across race, gender, arch flexibility, and foot types. Gait and Posture, 2018, 60, 175-180.	1.4	23
26	Mapping glenohumeral laxity: effect of capsule tension and abduction in cadaveric shoulders. Journal of Shoulder and Elbow Surgery, 2018, 27, 624-634.	2.6	6
27	Association between general joint hypermobility and knee, hip, and lumbar spine osteoarthritis by race: a cross-sectional study. Arthritis Research and Therapy, 2018, 20, 76.	3.5	22
28	Concurrent validity of an automated algorithm for computing the center of pressure excursion index (CPEI). Gait and Posture, 2018, 59, 7-10.	1.4	7
29	Changes in Lower Extremity Kinematics and Temporal Parameters of Adolescent Baseball Pitchers During an Extended Pitching Bout. American Journal of Sports Medicine, 2017, 45, 1179-1186.	4.2	12
30	At Home Photography-Based Method for Measuring Wrist Range of Motion. Journal of Wrist Surgery, 2017, 06, 280-284.	0.7	7
31	In Vivo Plantar Pressures in Adult-Acquired Flatfoot Compared to Control Using an Intraoperative Pedobarographic Device. HSS Journal, 2017, 13, 136-145.	1.7	3
32	Reliability of the Arch Height Index as a Measure of Foot Structure in Children. Pediatric Physical Therapy, 2017, 29, 83-88.	0.6	17
33	An Investigation of Structure, Flexibility, and Function Variables that Discriminate Asymptomatic Foot Types. Journal of Applied Biomechanics, 2017, 33, 203-210.	0.8	6
34	Crossâ€sectional associations between variations in ankle shape by statistical shape modeling, injury history, and race: the Johnston County Osteoarthritis Project. Journal of Foot and Ankle Research, 2017, 10, 34.	1.9	10
35	Are Pressure Time Integral and Cumulative Plantar Stress Related to First Metatarsophalangeal Joint Pain? Results From a Communityâ€Based Study. Arthritis Care and Research, 2016, 68, 1232-1238.	3.4	9
36	The effects of fatigue on lower extremity kinematics, kinetics and joint coupling in symptomatic female runners with iliotibial band syndrome. Clinical Biomechanics, 2016, 39, 84-90.	1.2	33

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37	Moberg Osteotomy Shifts Contact Pressure Plantarly in the First Metatarsophalangeal Joint in a Biomechanical Model. Foot and Ankle International, 2016, 37, 96-101.	2.3	26
38	Changes in coordination and its variability with an increase in running cadence. Journal of Sports Sciences, 2016, 34, 1388-1395.	2.0	49
39	Leg Muscle Mass and Foot Symptoms, Structure, and Function: The Johnston County Osteoarthritis Project. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 385-390.	3.6	2
40	Instantaneous Metabolic Cost of Walking: Joint-Space Dynamic Model with Subject-Specific Heat Rate. PLoS ONE, 2016, 11, e0168070.	2.5	7
41	The effect of wrist surgery on the kinematic consistency of joint axis reconstruction in a static posture. Journal of Orthopaedic Research, 2015, 33, 1341-1347.	2.3	3
42	State-of-the-Art management of knee osteoarthritis. World Journal of Clinical Cases, 2015, 3, 89.	0.8	117
43	Surgical Treatments for Scapholunate Advanced Collapse Wrist: Kinematics and Functional Performance. Journal of Hand Surgery, 2015, 40, 1547-1553.	1.6	27
44	Physical performance measurement in persons with patellofemoral osteoarthritis: A pilot study. Journal of Back and Musculoskeletal Rehabilitation, 2015, 28, 335-342.	1.1	7
45	The effect of simulated elbow contracture on temporal and distance gait parameters. Gait and Posture, 2015, 41, 791-794.	1.4	21
46	Differentiation of hand posture to object shape in children with unilateral spastic cerebral palsy. Research in Developmental Disabilities, 2015, 45-46, 422-430.	2.2	11
47	Joint-Space Dynamic Model of Metabolic Cost With Subject-Specific Energetic Parameters. , 2014, , .		1
48	Foot Disorders Associated With Overpronated and Oversupinated Foot Function. Foot and Ankle International, 2014, 35, 1159-1165.	2.3	22
49	The associations of leg lean mass with foot pain, posture and function in the Framingham foot study. Journal of Foot and Ankle Research, 2014, 7, 46.	1.9	5
50	Wrist Kinematic Coupling and Performance During Functional Tasks: Effects of Constrained Motion. Journal of Hand Surgery, 2014, 39, 634-642.e1.	1.6	41
51	Foot type symmetry and change of foot structures from sitting to standing conditions. Journal of Foot and Ankle Research, 2014, 7, .	1.9	0
52	Dynamic barefoot plantar pressure in gait and foot type biomechanics. Journal of Foot and Ankle Research, 2014, 7, .	1.9	2
53	The effects of limb dominance and fatigue on running biomechanics. Gait and Posture, 2014, 39, 915-919.	1.4	85
54	Development of an Anatomical Wrist Joint Coordinate System to Quantify Motion During Functional Tasks. Journal of Applied Biomechanics, 2014, 30, 586-593.	0.8	18

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55	Factors affecting center of pressure in older adults: the Framingham Foot Study. Journal of Foot and Ankle Research, 2013, 6, 18.	1.9	23
56	Reliability of plantar pressure platforms. Gait and Posture, 2013, 38, 544-548.	1.4	64
57	Foot Type Biomechanics Part 2: Are structure and anthropometrics related to function?. Gait and Posture, 2013, 37, 452-456.	1.4	49
58	Foot type biomechanics part 1: Structure and function of the asymptomatic foot. Gait and Posture, 2013, 37, 445-451.	1.4	171
59	Associations of Foot Posture and Function to Lower Extremity Pain: Results From a Populationâ€Based Foot Study. Arthritis Care and Research, 2013, 65, 1804-1812.	3.4	41
60	Hallux valgus and plantar pressure loading: the Framingham foot study. Journal of Foot and Ankle Research, 2013, 6, 42.	1.9	57
61	Effect of Shoe Flexibility on Plantar Loading in Children Learning to Walk. Journal of the American Podiatric Medical Association, 2013, 103, 297-305.	0.3	19
62	Foot Disorders, Foot Posture, and Foot Function: The Framingham Foot Study. PLoS ONE, 2013, 8, e74364.	2.5	80
63	Conservative Management of Osteoarthritis. , 2012, , 1-36.		0
64	The Accuracy of an Automasking Algorithm in Plantar Pressure Measurements. HSS Journal, 2011, 7, 57-63.	1.7	25
65	Effects of Pediatric Obesity on Joint Kinematics and Kinetics During 2 Walking Cadences. Archives of Physical Medicine and Rehabilitation, 2009, 90, 2146-2154.	0.9	69
66	Effect of Turf Toe on Foot Contact Pressures in Professional American Football Players. Foot and Ankle International, 2009, 30, 405-409.	2.3	12
67	Arch Height Index Measurement System. Journal of the American Podiatric Medical Association, 2008, 98, 102-106.	0.3	127
68	The Effect of Gender, Age, and Lateral Dominance on Arch Height and Arch Stiffness. Foot and Ankle International, 2006, 27, 367-372.	2.3	134
69	The distributed plantar vertical force of neutrally aligned and pes planus feet. Gait and Posture, 2002, 15, 1-9.	1.4	145
70	Acceleration of the calcaneus at heel strike in neutrally aligned and pes planus feet. Clinical Biomechanics, 2001, 16, 608-613.	1.2	28
71	Foot type biomechanics. comparison of planus and rectus foot types. Journal of the American Podiatric Medical Association, 1996, 86, 16-23.	0.3	129