Brian J Hafner

List of Publications by Citations

66 papers	1,309 citations	17 h-index	34 g-index
81 ext. papers	1,713 ext. citations	1.9 avg, IF	4.86 L-index

#	Paper	IF	Citations
66	Evaluation of function, performance, and preference as transfemoral amputees transition from mechanical to microprocessor control of the prosthetic knee. *Archives of Physical Medicine and Rehabilitation*, **2007**, 88, 207-17	2.8	190
65	Energy storage and return prostheses: does patient perception correlate with biomechanical analysis?. *Clinical Biomechanics*, **2002**, 17, 325-44	2.2	117
64	Effect of a foot-drop stimulator and ankle-foot orthosis on walking performance after stroke: a multicenter randomized controlled trial. *Neurorehabilitation and Neural Repair*, **2013**, 27, 579-91	4.7	97
63	. *Journal of Rehabilitation Research and Development*, **2009**, 46, 417		93
62	Construct Validity of the Prosthetic Limb Users Survey of Mobility (PLUS-M) in Adults With Lower Limb Amputation. *Archives of Physical Medicine and Rehabilitation*, **2017**, 98, 277-285	2.8	67
61	Psychometric evaluation of self-report outcome measures for prosthetic applications. *Journal of Rehabilitation Research and Development*, **2016**, 53, 797-812		58
60	Health-related profiles of people with lower limb loss. *Archives of Physical Medicine and Rehabilitation*, **2015**, 96, 1474-83	2.8	56
59	Outcomes associated with the use of microprocessor-controlled prosthetic knees among individuals with unilateral transfemoral limb loss: a systematic review. *Journal of Rehabilitation Research and Development*, **2013**, 50, 273-314		54
58	Considerations for development of sensing and monitoring tools to facilitate treatment and care of persons with lower-limb loss: a review. *Journal of Rehabilitation Research and Development*, **2014**, 51, 1-14		51
57	Cross-Sectional Assessment of Factors Related to Pain Intensity and Pain Interference in Lower Limb Prosthesis Users. *Archives of Physical Medicine and Rehabilitation*, **2017**, 98, 105-113	2.8	32
56	Characterizing mobility from the prosthetic limb user's perspective: Use of focus groups to guide development of the Prosthetic Limb Users Survey of Mobility. *Prosthetics and Orthotics International*, **2016**, 40, 582-90	1.5	29
55	Use of and confidence in administering outcome measures among clinical prosthetists: Results from a national survey and mixed-methods training program. *Prosthetics and Orthotics International* , **2015**, 39, 314-21	1.5	26
54	Postural asymmetries in transfemoral amputees. *Prosthetics and Orthotics International*, **2011**, 35, 171-80	1.5	24
53	Frequency and Circumstances of Falls Reported by Ambulatory Unilateral Lower Limb Prosthesis Users: A Secondary Analysis. *PM and R*, **2019**, 11, 344-353	2.2	21
52	Does temporary socket removal affect residual limb fluid volume of trans-tibial amputees?. *Prosthetics and Orthotics International*, **2016**, 40, 320-8	1.5	20
51	A finite element model to assess transtibial prosthetic sockets with elastomeric liners. *Medical and Biological Engineering and Computing*, **2018**, 56, 1227-1240	3.1	20
50	Use of cognitive interviews in the development of the PLUS-M item bank. *Quality of Life Research*, **2014**, 23, 1767-75	3.7	20

49	Effects of socket size on metrics of socket fit in trans-tibial prosthesis users. *Medical Engineering and Physics*, **2017**, 44, 32-43	2.4	17
48	Validation of the Narrowing Beam Walking Test in Lower Limb Prosthesis Users. *Archives of Physical Medicine and Rehabilitation*, **2018**, 99, 1491-1498.e1	2.8	16
47	Laboratory- and community-based health outcomes in people with transtibial amputation using crossover and energy-storing prosthetic feet: A randomized crossover trial. *PLoS ONE*, **2018**, 13, e0189652	2.7	16
46	Transtibial energy-storage-and-return prosthetic devices: a review of energy concepts and a proposed nomenclature. *Journal of Rehabilitation Research and Development*, **2002**, 39, 1-11		15
45	Self-Reported Cognitive Concerns in People With Lower Limb Loss. *Archives of Physical Medicine and Rehabilitation*, **2016**, 97, 912-8	2.8	14
44	Effects of activity intensity, time, and intermittent doffing on daily limb fluid volume change in people with transtibial amputation. *Prosthetics and Orthotics International*, **2019**, 43, 28-38	1.5	14
43	Socket size adjustments in people with transtibial amputation: Effects on residual limb fluid volume and limb-socket distance. *Clinical Biomechanics*, **2019**, 63, 161-171	2.2	13
42	Residual limb fluid volume change and volume accommodation: Relationships to activity and self-report outcomes in people with trans-tibial amputation. *Prosthetics and Orthotics International*, **2018**, 42, 415-427	1.5	13
41	Issues affecting the level of prosthetics research evidence: Secondary analysis of a systematic review. *Prosthetics and Orthotics International*, **2016**, 40, 31-43	1.5	13
40	Interrater and Test-Retest Reliability of Performance-Based Clinical Tests Administered to Established Users of Lower Limb Prostheses. *Physical Therapy*, **2020**, 100, 1206-1216	3.3	12
39	Energy expenditure in people with transtibial amputation walking with crossover and energy storing prosthetic feet: A randomized within-subject study. *Gait and Posture*, **2018**, 62, 349-354	2.6	12
38	Narrowing beam-walking is a clinically feasible approach for assessing balance ability in lower-limb prosthesis users. *Journal of Rehabilitation Medicine*, **2018**, 50, 457-464	3.4	12
37	Characterization of Prosthetic Liner Products for People with Transtibial Amputation. *Journal of Prosthetics and Orthotics*, **2018**, 30, 187-199	0.7	12
36	Dual-task walking over a compliant foam surface: A comparison of people with transfemoral amputation and controls. *Gait and Posture*, **2017**, 58, 41-45	2.6	11
35	Prosthetists' perceptions and use of outcome measures in clinical practice: Long-term effects of focused continuing education. *Prosthetics and Orthotics International*, **2017**, 41, 266-273	1.5	11
34	Preliminary evaluation of a novel bladder-liner for facilitating residual limb fluid volume recovery without doffing. *Journal of Rehabilitation Research and Development*, **2016**, 53, 1107-1120		11
33	Development of Standardized Material Testing Protocols for Prosthetic Liners. *Journal of Biomechanical Engineering*, **2017**, 139,	2.1	10
32	A Novel Method for Assessing Prosthesis Use and Accommodation Practices of People with Transtibial Amputation. *Journal of Prosthetics and Orthotics*, **2018**, 30, 214-230	0.7	10

31	Association of self-reported cognitive concerns with mobility in people with lower limb loss. *Disability and Rehabilitation*, **2018**, 40, 96-103	2.4	9
30	A study to assess whether fixed-width beam walking provides sufficient challenge to assess balance ability across lower limb prosthesis users. *Clinical Rehabilitation*, **2018**, 32, 483-492	3.3	8
29	A comparison of computerized adaptive testing and fixed-length short forms for the Prosthetic Limb Users Survey of Mobility (PLUS-M). *Prosthetics and Orthotics International*, **2018**, 42, 476-482	1.5	8
28	Amputee socks: Sock thickness changes with normal use. *Prosthetics and Orthotics International*, **2016**, 40, 329-35	1.5	8
27	Self-reported prosthetic sock use among persons with transtibial amputation. *Prosthetics and Orthotics International*, **2014**, 38, 321-31	1.5	8
26	Using Clinical Balance Tests to Assess Fall Risk among Established Unilateral Lower Limb Prosthesis Users: Cutoff Scores and Associated Validity Indices. *PM and R*, **2020**, 12, 16-25	2.2	8
25	Measurement of Knee Center Alignment Trends in a National Sample of Established Users of the Otto Bock C-Leg Microprocessor-Controlled Knee Unit. *Journal of Prosthetics and Orthotics*, **2004**, 16, 72-75	0.7	7
24	Effectiveness of elevated vacuum and suction prosthetic suspension systems in managing daily residual limb fluid volume change in people with transtibial amputation. *Prosthetics and Orthotics International*, **2020**, 44, 155-163	1.5	5
23	Elastomeric liners for people with transtibial amputation: Survey of prosthetistsUclinical practices. *Prosthetics and Orthotics International*, **2017**, 41, 149-156	1.5	5
22	Does actively enlarging socket volume during resting facilitate residual limb fluid volume recovery in trans-tibial prosthesis users?. *Clinical Biomechanics*, **2020**, 78, 105001	2.2	4
21	Mobility with a lower limb prosthesis: experiences of users with high levels of functional ability. *Disability and Rehabilitation*, **2020**, 1-9	2.4	3
20	Functional Outcomes in People with Transtibial Amputation Using Crossover and Energy-Storing Prosthetic Feet: A Pilot Study. *Journal of Prosthetics and Orthotics*, **2018**, 30, 90-100	0.7	3
19	Assessment of low- and high-level task performance in people with transtibial amputation using crossover and energy-storing prosthetic feet: A pilot study. *Prosthetics and Orthotics International*, **2018**, 42, 583-591	1.5	3
18	Conventional administration and scoring procedures suppress the diagnostic accuracy of a performance-based test designed to assess balance ability in lower limb prosthesis users. *Prosthetics and Orthotics International*, **2019**, 43, 402-408	1.5	2
17	Clinical Resources for Assessing Mobility of People with Lower-Limb Amputation: Interviews with Rehabilitation Clinicians.. *Journal of Prosthetics and Orthotics*, **2022**, 34, 69-78	0.7	2
16	Performance-based balance tests, combined with the number of falls recalled in the past year, predicts the incidence of future falls in established unilateral transtibial prosthesis users. *PM and R*, **2021**,	2.2	2
15	Prosthetic Limb User Experiences With Crossover Feet: A Pilot Focus Group Study to Explore Outcomes That Matter. *Journal of Prosthetics and Orthotics*, **2019**, 31, 121-132	0.7	2
14	Mobility experiences of adult lower limb orthosis users: a focus group study. *Disability and Rehabilitation*, **2021**, 1-12	2.4	1

List of Publications

13	Characterizing Practice Effects in Performance-Based Tests Administered to Users of Unilateral Lower Limb Prostheses: A Preliminary Study. *PM and R*, **2021**, 13, 969-978	2.2	1
12	Fall-related events in people who are lower limb prosthesis users: the lived experience. *Disability and Rehabilitation*, **2021**, 1-12	2.4	1
11	Socket release/relock: An innovative mechanism to maintain residual limb volume. *Medical Engineering and Physics*, **2021**, 90, 100-106	2.4	1
10	Prosthetists\perceptions of information obtained from a lower limb prosthesis monitoring system: a pilot study. *Journal of Prosthetics and Orthotics*, **2019**, 31, 112-120	0.7	1
9	Modeling the mechanics of elevated vacuum systems in prosthetic sockets. *Medical Engineering and Physics*, **2020**, 84, 75-83	2.4	0
8	Cyclic socket enlargement and reduction during walking to minimize limb fluid volume loss in transtibial prosthesis users.. *Medical Engineering and Physics*, **2022**, 103, 103787	2.4	0
7	A Comparison of the Two-Minute Walk Test and Comprehensive High-level Activity Mobility Predictor (CHAMP) in People with a Leg Prosthesis.. *Clinical Rehabilitation*, **2021**, 2692155211069323	3.3	0
6	Prosthetic forefoot and heel stiffness across consecutive foot stiffness categories and sizes.. *PLoS ONE*, **2022**, 17, e0268136	3.7	0
5	Retracting Locking-Pin Mechanism That Allows Partial Prosthetic Socket Doffing during Sitting. *Journal of Prosthetics and Orthotics*, **2018**, 30, 114-118	0.7	
4	2020 in Review: A Perspective From the Immediate Past Editors-in-Chief. *Prosthetics and Orthotics International*, **2021**, 45, 1-5	1.5	
3	Effect of standing and sitting positions on energy expenditure in people with transtibial amputation compared to age- and sex-matched controls. *Prosthetics and Orthotics International*, **2021**, 45, 262-267	1.5	
2	Effects of shear force reduction during mechanical testing and day-to-day variation on stiffness of commercial prosthetic feet: a technical note.. *Prosthetics and Orthotics International*, **2022**, 46, 206-211	1.5	
1	Performance of an auto-adjusting prosthetic socket during walking with intermittent socket release.. *Journal of Rehabilitation and Assistive Technologies Engineering*, **2022**, 9, 20556683221093271	1.7	