

Lauren Kark

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

316
citations

933447

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h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

464
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating Lower Limb Kinematics Using a Reduced Wearable Sensor Count. IEEE Transactions on Biomedical Engineering, 2021, 68, 1293-1304.	4.2	37
2	Clinical utility of pressure feedback to socket design and fabrication. Prosthetics and Orthotics International, 2020, 44, 18-26.	1.0	8
3	Reliability and Validity of Measurement Tools for Residual Limb Volume in People With Limb Amputations: A Systematic Review. Physical Therapy, 2019, 99, 612-626.	2.4	8
4	Simultaneous Measurement of Normal and Shear Stress Using Fiber Bragg Grating Sensors in Prosthetic Applications. IEEE Sensors Journal, 2019, 19, 7383-7390.	4.7	17
5	Mechanical characterization and comparison of energy storage and return prostheses. Medical Engineering and Physics, 2017, 41, 90-96.	1.7	18
6	Differences Between Gait on Stairs and Flat Surfaces in Relation to Fall Risk and Future Falls. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1479-1486.	6.3	49
7	Quantifying prosthetic gait deviation using simple outcome measures. World Journal of Orthopedics, 2016, 7, 383.	1.8	15
8	Energy Storage and Return Prostheses: A Review of Mechanical Models. Critical Reviews in Biomedical Engineering, 2016, 44, 269-292.	0.9	5
9	The Hemodynamic Effects of Hemodialysis Needle Rotation and Orientation in an Idealized Computational Model. Artificial Organs, 2016, 40, 185-189.	1.9	17
10	A prosthesis-specific multi-link segment model of lower-limb amputee sprinting. Journal of Biomechanics, 2016, 49, 3185-3193.	2.1	13
11	Instrumented and interactive limb models for biomechanics education: An assessment of efficacy and engagement. , 2015, 2015, 3671-4.		0
12	<i>In Vitro</i> Mechanical Testing of Braided Polyurethane Elastic Fiber and Braided Polyester for Equine Laryngoplasty. Veterinary Surgery, 2015, 44, 223-230.	1.0	7
13	Concurrent multibody and Finite Element analysis of the lower-limb during amputee running. , 2015, 2015, 2434-7.		5
14	An eight-legged tactile sensor to estimate coefficient of static friction. , 2015, 2015, 4407-10.		8
15	Development of a Kinematic Model of a Proto-Wing. Applied Mechanics and Materials, 2014, 553, 261-266.	0.2	0
16	Use of gait summary measures with lower limb amputees. Gait and Posture, 2012, 35, 238-243.	1.4	44
17	The use of the 6-min walk test as a proxy for the assessment of energy expenditure during gait in individuals with lower-limb amputation. International Journal of Rehabilitation Research, 2011, 34, 227-234.	1.3	12
18	Patient satisfaction following lower-limb amputation. Prosthetics and Orthotics International, 2011, 35, 225-233.	1.0	49

#	ARTICLE	IF	CITATIONS
19	Using the movement analysis profile with lower limb amputees. Gait and Posture, 2009, 30, S42-S43.	1.4	4