

Natalie Vanicek

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

966
citations

567281

15
h-index

454955

30
g-index

42
all docs

42
docs citations

42
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical differences between able-bodied and spinal cord injured individuals walking in an overground robotic exoskeleton. PLoS ONE, 2022, 17, e0262915.	2.5	5
2	Sports medicine and biomechanics “ synergies and nuances. Journal of Sports Sciences, 2022, 40, 838-839.	2.0	0
3	A block randomised controlled trial investigating changes in postural control following a personalised 12-week exercise programme for individuals with lower limb amputation. Gait and Posture, 2021, 84, 198-204.	1.4	9
4	STEPFORWARD study: a randomised controlled feasibility trial of a self-aligning prosthetic ankle-foot for older patients with vascular-related amputations. BMJ Open, 2021, 11, e045195.	1.9	2
5	The effects of exercise to promote quality of life in individuals with traumatic brain injuries: a systematic review. Brain Injury, 2020, 34, 1701-1713.	1.2	9
6	A biomechanical comparison of powered robotic exoskeleton gait with normal and slow walking: An investigation with able-bodied individuals. Clinical Biomechanics, 2020, 80, 105133.	1.2	6
7	Self-aligning prosthetic device for older patients with vascular-related amputations: protocol for a randomised feasibility study (the STEPFORWARD study). BMJ Open, 2019, 9, e032924.	1.9	3
8	Joint moment strategies during stair descent in patients with peripheral arterial disease and intermittent claudication. Gait and Posture, 2018, 62, 359-365.	1.4	5
9	The effects of robot assisted gait training on temporal-spatial characteristics of people with spinal cord injuries: A systematic review. Journal of Spinal Cord Medicine, 2018, 41, 529-543.	1.4	21
10	A personalised exercise programme for individuals with lower limb amputation reduces falls and improves gait biomechanics: A block randomised controlled trial. Gait and Posture, 2018, 63, 282-289.	1.4	47
11	Stepping forward following lower limb amputation. Physical Therapy Reviews, 2018, 23, 237-237.	0.8	0
12	Association between somatosensory, visual and vestibular contributions to postural control, reactive balance capacity and healthy ageing in older women. Health Care for Women International, 2018, 39, 1366-1380.	1.1	26
13	Relationships between walking speed, T-score and age with gait parameters in older post-menopausal women with low bone mineral density. Gait and Posture, 2018, 64, 230-237.	1.4	8
14	Do Predictive Relationships Exist Between Postural Control and Falls Efficacy in Unilateral Transtibial Prosthesis Users?. Archives of Physical Medicine and Rehabilitation, 2018, 99, 2271-2278.	0.9	11
15	Sagittal plane joint kinetics during stair ascent in patients with peripheral arterial disease and intermittent claudication. Gait and Posture, 2017, 55, 81-86.	1.4	4
16	Reference values for developing responsive functional outcome measures across the lifespan. Neurology, 2017, 88, 1512-1519.	1.1	60
17	A systematic review of muscle morphology and function in intermittent claudication. Journal of Vascular Surgery, 2017, 66, 1241-1257.	1.1	13
18	Spatiotemporal and plantar pressure patterns of 1000 healthy individuals aged 3–101 years. Gait and Posture, 2017, 58, 78-87.	1.4	99

#	ARTICLE	IF	CITATIONS
19	Correlates of Perceived Ankle Instability in Healthy Individuals Aged 8 to 101 Years. Archives of Physical Medicine and Rehabilitation, 2017, 98, 72-79.	0.9	10
20	Normative reference values for strength and flexibility of 1,000 children and adults. Neurology, 2017, 88, 36-43.	1.1	145
21	Gastrocnemius muscle architecture and achilles tendon properties influence walking distance in claudicants with peripheral arterial disease. Muscle and Nerve, 2016, 53, 733-741.	2.2	7
22	1000 Norms Project: protocol of a cross-sectional study cataloging human variation. Physiotherapy, 2016, 102, 50-56.	0.4	44
23	Acute changes in kinematic and muscle activity patterns in habitually shod rearfoot strikers while running barefoot. Journal of Sports Sciences, 2016, 34, 75-87.	2.0	6
24	Biomechanical demands of the 2-step transitional gait cycles linking level gait and stair descent gait in older women. Journal of Biomechanics, 2015, 48, 4191-4197.	2.1	11
25	Dynamic muscle quality of the plantar flexors is impaired in claudicant patients with peripheral arterial disease and associated with poorer walking endurance. Journal of Vascular Surgery, 2015, 62, 689-697.	1.1	13
26	Kinematic differences exist between transtibial amputee fallers and non-fallers during downwards step transitioning. Prosthetics and Orthotics International, 2015, 39, 322-332.	1.0	5
27	Age-related changes in physical functioning: correlates between objective and self-reported outcomes. Physiotherapy, 2015, 101, 204-213.	0.4	25
28	Fear of Falling in Claudicants and Its Relationship to Physical Ability, Balance, and Quality of Life. Vascular and Endovascular Surgery, 2014, 48, 297-304.	0.7	7
29	Longitudinal kinematic and kinetic adaptations to obstacle crossing in recent lower limb amputees. Prosthetics and Orthotics International, 2014, 38, 437-446.	1.0	5
30	Balance Impairment, Physical Ability, and Its Link With Disease Severity in Patients With Intermittent Claudication. Annals of Vascular Surgery, 2013, 27, 68-74.	0.9	32
31	Computerized Dynamic Posturography for Postural Control Assessment in Patients with Intermittent Claudication. Journal of Visualized Experiments, 2013, , e51077.	0.3	19
32	The effect of a 3-month supervised exercise programme on gait parameters of patients with peripheral arterial disease and intermittent claudication. Clinical Biomechanics, 2012, 27, 845-851.	1.2	19
33	Computerized Dynamic Posturography in the Objective Assessment of Balance in Patients With Intermittent Claudication. Annals of Vascular Surgery, 2011, 25, 182-190.	0.9	18
34	Posturographie dynamique num�ris�e dans lâ€™�tude de lâ€™�quilibre des patients avec claudication intermittente. Annales De Chirurgie Vasculaire, 2011, 25, 197-206.	0.0	0
35	Lower Limb Kinematic and Kinetic Differences between Transtibial Amputee Fallers and Non-Fallers. Prosthetics and Orthotics International, 2010, 34, 399-410.	1.0	20
36	Kinematic adaptations to ischemic pain in claudicants during continuous walking. Gait and Posture, 2010, 32, 395-399.	1.4	12

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37	Kinematic Gait Adaptations in Unilateral Transtibial Amputees During Rehabilitation. <i>Prosthetics and Orthotics International</i> , 2009, 33, 135-147.	1.0	27
38	Gait patterns in transtibial amputee fallers vs. non-fallers: Biomechanical differences during level walking. <i>Gait and Posture</i> , 2009, 29, 415-420.	1.4	115
39	Postural Responses to Dynamic Perturbations in Amputee Fallers Versus Nonfallers: A Comparative Study With Able-Bodied Subjects. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 1018-1025.	0.9	81
40	Kinematic Adaptations to a Novel Walking Task With a Prosthetic Simulator. <i>Journal of Prosthetics and Orthotics</i> , 2007, 19, 29-35.	0.4	7
41	The effect of foot orthotics on myoelectric fatigue in the vastus lateralis during a simulated skier's squat. <i>Journal of Electromyography and Kinesiology</i> , 2004, 14, 693-698.	1.7	8