

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 | Normative reference values for strength and flexibility of 1,000 children and adults. <i>Neurology</i> , 2017, 88, 36-43. | 1.1 | 145 |
| 2 | 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 |
| 3 | Spatiotemporal and plantar pressure patterns of 1000 healthy individuals aged 3â€“101 years. <i>Gait and Posture</i> , 2017, 58, 78-87. | 1.4 | 99 |
| 4 | 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 |
| 5 | Reference values for developing responsive functional outcome measures across the lifespan. <i>Neurology</i> , 2017, 88, 1512-1519. | 1.1 | 60 |
| 6 | A personalised exercise programme for individuals with lower limb amputation reduces falls and improves gait biomechanics: A block randomised controlled trial. <i>Gait and Posture</i> , 2018, 63, 282-289. | 1.4 | 47 |
| 7 | 1000 Norms Project: protocol of a cross-sectional study cataloging human variation. <i>Physiotherapy</i> , 2016, 102, 50-56. | 0.4 | 44 |
| 8 | Balance Impairment, Physical Ability, and Its Link With Disease Severity in Patients With Intermittent Claudication. <i>Annals of Vascular Surgery</i> , 2013, 27, 68-74. | 0.9 | 32 |
| 9 | Kinematic Gait Adaptations in Unilateral Transtibial Amputees During Rehabilitation. <i>Prosthetics and Orthotics International</i> , 2009, 33, 135-147. | 1.0 | 27 |
| 10 | Association between somatosensory, visual and vestibular contributions to postural control, reactive balance capacity and healthy ageing in older women. <i>Health Care for Women International</i> , 2018, 39, 1366-1380. | 1.1 | 26 |
| 11 | Age-related changes in physical functioning: correlates between objective and self-reported outcomes. <i>Physiotherapy</i> , 2015, 101, 204-213. | 0.4 | 25 |
| 12 | The effects of robot assisted gait training on temporal-spatial characteristics of people with spinal cord injuries: A systematic review. <i>Journal of Spinal Cord Medicine</i> , 2018, 41, 529-543. | 1.4 | 21 |
| 13 | Lower Limb Kinematic and Kinetic Differences between Transtibial Amputee Fallers and Non-Fallers. <i>Prosthetics and Orthotics International</i> , 2010, 34, 399-410. | 1.0 | 20 |
| 14 | The effect of a 3-month supervised exercise programme on gait parameters of patients with peripheral arterial disease and intermittent claudication. <i>Clinical Biomechanics</i> , 2012, 27, 845-851. | 1.2 | 19 |
| 15 | Computerized Dynamic Posturography for Postural Control Assessment in Patients with Intermittent Claudication. <i>Journal of Visualized Experiments</i> , 2013, , e51077. | 0.3 | 19 |
| 16 | Computerized Dynamic Posturography in the Objective Assessment of Balance in Patients With Intermittent Claudication. <i>Annals of Vascular Surgery</i> , 2011, 25, 182-190. | 0.9 | 18 |
| 17 | Dynamic muscle quality of the plantar flexors is impaired in claudicant patients with peripheral arterial disease and associated with poorer walking endurance. <i>Journal of Vascular Surgery</i> , 2015, 62, 689-697. | 1.1 | 13 |
| 18 | A systematic review of muscle morphology and function in intermittent claudication. <i>Journal of Vascular Surgery</i> , 2017, 66, 1241-1257. | 1.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Kinematic adaptations to ischemic pain in claudicants during continuous walking. <i>Gait and Posture</i> , 2010, 32, 395-399. | 1.4 | 12 |
| 20 | Biomechanical demands of the 2-step transitional gait cycles linking level gait and stair descent gait in older women. <i>Journal of Biomechanics</i> , 2015, 48, 4191-4197. | 2.1 | 11 |
| 21 | Do Predictive Relationships Exist Between Postural Control and Falls Efficacy in Unilateral Transtibial Prosthesis Users?. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 2271-2278. | 0.9 | 11 |
| 22 | Correlates of Perceived Ankle Instability in Healthy Individuals Aged 8 to 101 Years. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 72-79. | 0.9 | 10 |
| 23 | The effects of exercise to promote quality of life in individuals with traumatic brain injuries: a systematic review. <i>Brain Injury</i> , 2020, 34, 1701-1713. | 1.2 | 9 |
| 24 | A block randomised controlled trial investigating changes in postural control following a personalised 12-week exercise programme for individuals with lower limb amputation. <i>Gait and Posture</i> , 2021, 84, 198-204. | 1.4 | 9 |
| 25 | 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 |
| 26 | Relationships between walking speed, T-score and age with gait parameters in older post-menopausal women with low bone mineral density. <i>Gait and Posture</i> , 2018, 64, 230-237. | 1.4 | 8 |
| 27 | 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 |
| 28 | Fear of Falling in Claudicants and Its Relationship to Physical Ability, Balance, and Quality of Life. <i>Vascular and Endovascular Surgery</i> , 2014, 48, 297-304. | 0.7 | 7 |
| 29 | Gastrocnemius muscle architecture and achilles tendon properties influence walking distance in claudicants with peripheral arterial disease. <i>Muscle and Nerve</i> , 2016, 53, 733-741. | 2.2 | 7 |
| 30 | Acute changes in kinematic and muscle activity patterns in habitually shod rearfoot strikers while running barefoot. <i>Journal of Sports Sciences</i> , 2016, 34, 75-87. | 2.0 | 6 |
| 31 | A biomechanical comparison of powered robotic exoskeleton gait with normal and slow walking: An investigation with able-bodied individuals. <i>Clinical Biomechanics</i> , 2020, 80, 105133. | 1.2 | 6 |
| 32 | Longitudinal kinematic and kinetic adaptations to obstacle crossing in recent lower limb amputees. <i>Prosthetics and Orthotics International</i> , 2014, 38, 437-446. | 1.0 | 5 |
| 33 | Kinematic differences exist between transtibial amputee fallers and non-fallers during downwards step transitioning. <i>Prosthetics and Orthotics International</i> , 2015, 39, 322-332. | 1.0 | 5 |
| 34 | Joint moment strategies during stair descent in patients with peripheral arterial disease and intermittent claudication. <i>Gait and Posture</i> , 2018, 62, 359-365. | 1.4 | 5 |
| 35 | Biomechanical differences between able-bodied and spinal cord injured individuals walking in an overground robotic exoskeleton. <i>PLoS ONE</i> , 2022, 17, e0262915. | 2.5 | 5 |
| 36 | Sagittal plane joint kinetics during stair ascent in patients with peripheral arterial disease and intermittent claudication. <i>Gait and Posture</i> , 2017, 55, 81-86. | 1.4 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Self-aligning prosthetic device for older patients with vascular-related amputations: protocol for a randomised feasibility study (the STEPFORWARD study). <i>BMJ Open</i> , 2019, 9, e032924. | 1.9 | 3 |
| 38 | STEPFORWARD study: a randomised controlled feasibility trial of a self-aligning prosthetic ankle-foot for older patients with vascular-related amputations. <i>BMJ Open</i> , 2021, 11, e045195. | 1.9 | 2 |
| 39 | Posturographie dynamique numÃ©risÃ©e dans lâ€™Ã©tude de lâ€™Ã©quilibre des patients avec claudication intermittente. <i>Annales De Chirurgie Vasculaire</i> , 2011, 25, 197-206. | 0.0 | 0 |
| 40 | Stepping forward following lower limb amputation. <i>Physical Therapy Reviews</i> , 2018, 23, 237-237. | 0.8 | 0 |
| 41 | Sports medicine and biomechanics â€“ synergies and nuances. <i>Journal of Sports Sciences</i> , 2022, 40, 838-839. | 2.0 | 0 |