# Thad W Buster

List of Publications by Year
in descending order



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|---|---|---|---|
| 26 papers | 348 citations | 840776 11 h-index | 839539 18 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 228 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Similarity of Joint Kinematics and Muscle Demands Between Elliptical Training and Walking: Implications for Practice. Physical Therapy, 2010, 90, 289-305. | 2.4 | 74 |
| 2 | Kinematic and electromyographic analyses of normal and device-assisted sit-to-stand transfers. Gait and Posture, 2012, 36, 516-522. | 1.4 | 43 |
| 3 | Comparative Kinematic and Electromyographic Assessment of Clinician- and Device-Assisted Sit-to-Stand Transfers in Patients With Stroke. Physical Therapy, 2013, 93, 1331-1341. | 2.4 | 32 |
| 4 | Impact of Elliptical Trainer Ergonomic Modifications on Perceptions of Safety, Comfort, Workout, and Usability for People With Physical Disabilities and Chronic Conditions. Physical Therapy, 2011, 91, 1604-1617. | 2.4 | 22 |
| 5 | Comparative analysis of speed's impact on muscle demands during partial body weight support motor-assisted elliptical training. Gait and Posture, 2014, 39, 314-320. | 1.4 | 21 |
| 6 | Partial body weight support treadmill training speed influences paretic and non-paretic leg muscle activation, stride characteristics, and ratings of perceived exertion during acute stroke rehabilitation. Human Movement Science, 2016, 47, 16-28. | 1.4 | 21 |
| 7 | Modified Elliptical Machine Motor-Drive Design for Assistive Gait Rehabilitation. Journal of Medical Devices, Transactions of the ASME, 2011, 5, . | 0.7 | 19 |
| 8 | Novel Motor-Assisted Elliptical Training Intervention Improves 6-Minute Walk Test and Oxygen Cost for an Individual With Progressive Supranuclear Palsy. Cardiopulmonary Physical Therapy Journal, 2015, 26, 36-41. | 0.3 | 18 |
| 9 | Kinematic and muscle demand similarities between motor-assisted elliptical training and walking: Implications for pediatric gait rehabilitation. Gait and Posture, 2017, 51, 194-200. | 1.4 | 13 |
| 10 | Lower Extremity Kinematics During Walking and Elliptical Training in Individuals With and Without Traumatic Brain Injury. Journal of Neurologic Physical Therapy, 2013, 37, 176-186. | 1.4 | 12 |
| 11 | Computerized dynamic posturography detects balance deficits in individuals with a history of chronic severe traumatic brain injury. Brain Injury, 2016, 30, 1249-1255. | 1.2 | 12 |
| 12 | Walking and Fitness Improvements in a Child With Diplegic Cerebral Palsy Following Motor-Assisted Elliptical Intervention. Pediatric Physical Therapy, 2018, 30, E1-E7. | 0.6 | 9 |
| 13 | Cardiorespiratory fitness, balance and walking improvements in an adolescent with cerebral palsy (GMFCS II) and autism after motor-assisted elliptical training. European Journal of Physiotherapy, 2020, 22, 124-132. | 1.3 | 9 |
| 14 | Individuals with Multiple Sclerosis Improved Walking Endurance And Decreased Fatigue Following Motor-Assisted Elliptical Training Intervention. Archives of Physical Medicine and Rehabilitation, 2016, 97, e34. | 0.9 | 8 |
| 15 | Impact of ICARE Training Speed and Motor Assistance on Cardiovascular Response. Cardiopulmonary Physical Therapy Journal, 2019, 30, 115-122. | 0.3 | 7 |
| 16 | Adapted Motor-Assisted Elliptical for Rehabilitation of Children With Physical Disabilities. Journal of Medical Devices, Transactions of the ASME, 2019, 13, . | 0.7 | 6 |
| 17 | Modification of the ICARE System for Pediatric Therapy. Journal of Medical Devices, Transactions of the ASME, 2015, 9, . | 0.7 | 5 |
| 18 | Comparison of Ankle Muscle Electromyographic Activity Across Five Cardiovascular Exercises. Medicine and Science in Sports and Exercise, 2009, 41, 497. | 0.4 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Therapeutic massage to enhance family caregiversâ€™ well-being in a rehabilitation hospital. Complementary Therapies in Clinical Practice, 2019, 35, 361-367. | 1.7 | 3 |
| 20 | Comparison of plantar pressure profile of young adults during training on elliptical devices and overground walking: A pilot study. Foot, 2020, 45, 101716. | 1.1 | 3 |
| 21 | Variations in plantar pressure variables across elliptical trainers in older adults. Clinical Biomechanics, 2020, 80, 105142. | 1.2 | 2 |
| 22 | Feasibility of motor-assisted elliptical to improve walking, fitness and balance following pediatric acquired brain injury: A case series. Journal of Pediatric Rehabilitation Medicine, 2021, 14, 539-551. | 0.5 | 2 |
| 23 | Muscle demand and kinematic similarities between pediatric-modified motor-assisted elliptical training at fast speed and fast overground walking: Real-world implications for pediatric gait rehabilitation. Journal of Electromyography and Kinesiology, 2022, 63, 102639. | 1.7 | 1 |
| 24 | Effect of gap-filling technique and gap location on linear and nonlinear calculations of motion during locomotor activities. Gait and Posture, 2022, 94, 85-92. | 1.4 | 1 |
| 25 | Correlation of Spinal Cord Injury Inpatient Rehabilitation and Resting Energy Expenditure. Archives of Physical Medicine and Rehabilitation, 2017, 98, e170. | 0.9 | 0 |
| 26 | Test-retest reliability and minimal detectable change of the computerized dynamic posturography PROPRIO for adults with chronic traumatic brain injury. Disability and Rehabilitation, 2021, 43, 2038-2044. | 1.8 | 0 |