

Hung Kay Daniel Chow

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

2,766
citations

182225

30
h-index

214428

50
g-index

96
all docs

96
docs citations

96
times ranked

2994
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Influences of compression cycling skinsuit on energy consumption of amateur male cyclists. <i>Textile Research Journal</i> , 2022, 92, 2697-2710. | 1.1 | 2 |
| 2 | The "Trade-Off" of Student Well-Being and Academic Achievement: A Perspective of Multidimensional Student Well-Being. <i>Frontiers in Psychology</i> , 2022, 13, 772653. | 1.1 | 11 |
| 3 | Cross-Leg Prediction of Running Kinematics across Various Running Conditions and Drawing from a Minimal Data Set Using a Single Wearable Sensor. <i>Symmetry</i> , 2022, 14, 1092. | 1.1 | 1 |
| 4 | Design, development, and evaluation of upper and lower limb orthoses with intelligent control for rehabilitation. <i>IET Science, Measurement and Technology</i> , 2021, 15, 738. | 0.9 | 2 |
| 5 | Comparison between Accelerometer and Gyroscope in Predicting Level-Ground Running Kinematics by Treadmill Running Kinematics Using a Single Wearable Sensor. <i>Sensors</i> , 2021, 21, 4633. | 2.1 | 9 |
| 6 | School backpack design: A systematic review and a summary of design items. <i>International Journal of Industrial Ergonomics</i> , 2021, 84, 103166. | 1.5 | 3 |
| 7 | Comparison of Predictions Between an EMG-Assisted Approach and Two Optimization-Driven Approaches for Lumbar Spine Loading During Walking With Backpack Loads. <i>Human Factors</i> , 2020, 62, 565-577. | 2.1 | 3 |
| 8 | Acute Effects of Brief Mindfulness Intervention Coupled with Carbohydrate Ingestion to Re-Energize Soccer Players: A Randomized Crossover Trial. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9037. | 1.2 | 6 |
| 9 | Modified electromyography-assisted optimization approach for predicting lumbar spine loading while walking with backpack loads. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 527-533. | 1.0 | 1 |
| 10 | A Video-Based Classification System for Assessing Locomotor Skills in Children. <i>Journal of Sports Science and Medicine</i> , 2020, 19, 585-595. | 0.7 | 0 |
| 11 | Acute Effect of Brief Mindfulness-Based Intervention Coupled with Fluid Intake on Athletes' Cognitive Function. <i>Journal of Sports Science and Medicine</i> , 2020, 19, 753-760. | 0.7 | 2 |
| 12 | EMG-based lumbosacral joint compression force prediction using a support vector machine. <i>Medical Engineering and Physics</i> , 2019, 74, 115-120. | 0.8 | 15 |
| 13 | Reliability of the fluctuations within the stride time series measured in runners during treadmill running to exhaustion. <i>Gait and Posture</i> , 2019, 74, 1-6. | 0.6 | 3 |
| 14 | Changes of lumbosacral joint compression force profile when walking caused by backpack loads. <i>Human Movement Science</i> , 2019, 66, 164-172. | 0.6 | 4 |
| 15 | An improved stiffness matrix model of the functional spinal unit for application to an improved understanding of pathological changes. <i>Medical Engineering and Physics</i> , 2019, 74, 166-171. | 0.8 | 0 |
| 16 | Gender Differences in Energy Expenditure During Walking With Backpack and Double-Pack Loads. <i>Human Factors</i> , 2019, 61, 203-213. | 2.1 | 13 |
| 17 | Differences in lower-limb coordination and coordination variability between novice and experienced runners during a prolonged treadmill run at anaerobic threshold speed. <i>Journal of Sports Sciences</i> , 2019, 37, 1021-1028. | 1.0 | 14 |
| 18 | Effects of backpack and double pack loads on postural stability. <i>Ergonomics</i> , 2019, 62, 537-547. | 1.1 | 13 |

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|----|--|-----|-----------|
| 19 | Effects of asymmetric loading on lateral spinal curvature in young adults with scoliosis. <i>Prosthetics and Orthotics International</i> , 2018, 42, 554-562. | 0.5 | 0 |
| 20 | Accuracy of three methods in gait event detection during overground running. <i>Gait and Posture</i> , 2018, 59, 93-98. | 0.6 | 62 |
| 21 | Effects of kneeling posture on chest compression during cardiopulmonary resuscitation in males. <i>Journal of Clinical Nursing</i> , 2018, 27, 777-783. | 1.4 | 2 |
| 22 | Effects of backpack load on critical changes of trunk muscle activation and lumbar spine loading during walking. <i>Ergonomics</i> , 2018, 61, 553-565. | 1.1 | 18 |
| 23 | Stride-to-stride variability and complexity between novice and experienced runners during a prolonged run at anaerobic threshold speed. <i>Gait and Posture</i> , 2018, 64, 7-11. | 0.6 | 25 |
| 24 | Oxygen Saturation and Heart Rate Variations as Predictors of Intradialytic Hypotension. <i>Nephrology Nursing Journal</i> , 2018, 45, 53-60. | 0.1 | 0 |
| 25 | Mechanical effects of traction on lumbar intervertebral discs: A magnetic resonance imaging study. <i>Musculoskeletal Science and Practice</i> , 2017, 29, 78-83. | 0.6 | 25 |
| 26 | Development and Evaluation of a Haptic-Based Upper-Limb Orthosis for Rehabilitation. , 2017, , . | | 0 |
| 27 | Design of an exergaming system with haptic feedback for the investigation of energy expenditure and muscle activities. , 2016, , . | | 0 |
| 28 | Dynamic Characteristic Analysis of Spinal Motor Control Between 11- and 15-Year-Old Children. <i>Motor Control</i> , 2016, 20, 285-298. | 0.3 | 0 |
| 29 | A simplified emergency trauma score for predicting mortality in emergency setting. <i>Nursing in Critical Care</i> , 2016, 21, 9-15. | 1.1 | 1 |
| 30 | Anticipatory Postural Adjustments in Standing Reach Tasks Among Middle-Aged Adults With Diplegic Cerebral Palsy. <i>Journal of Motor Behavior</i> , 2016, 48, 309-318. | 0.5 | 2 |
| 31 | Multi-objective analysis for assessing simultaneous changes in regional spinal curvatures under backpack carriage in young adults. <i>Ergonomics</i> , 2016, 59, 1494-1504. | 1.1 | 16 |
| 32 | Effect of Cyber-Golfing on Balance Amongst the Elderly in Hong Kong: A Pilot Randomised Trial. <i>Hong Kong Journal of Occupational Therapy</i> , 2015, 26, 9-13. | 0.2 | 15 |
| 33 | Revealing control mechanism from multifractal analysis on physiological signals. , 2015, , . | | 0 |
| 34 | Effects of Body Mass Index and Full Body Kinematics on Tennis Serve Speed. <i>Journal of Human Kinetics</i> , 2014, 40, 21-28. | 0.7 | 26 |
| 35 | Effects of Panax ginseng-containing herbal plasters on compressed intervertebral discs in an in vivo rat tail model. <i>Chinese Medicine</i> , 2013, 8, 4. | 1.6 | 4 |
| 36 | Drynaria fortunei-derived total flavonoid fraction and isolated compounds exert oestrogen-like protective effects in bone. <i>British Journal of Nutrition</i> , 2013, 110, 475-485. | 1.2 | 59 |

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|----|---|-----|-----------|
| 37 | Treadmill training with partial body weight support compared with conventional gait training for low-functioning children and adolescents with nonspastic cerebral palsy. <i>Prosthetics and Orthotics International</i> , 2013, 37, 445-453. | 0.5 | 18 |
| 38 | Kinematic and electromyographic studies on unaided, unilateral and bilateral crutch walking in adolescents with spastic diplegia. <i>Prosthetics and Orthotics International</i> , 2012, 36, 63-70. | 0.5 | 10 |
| 39 | Carry-over effects of backpack carriage on trunk posture and repositioning ability. <i>International Journal of Industrial Ergonomics</i> , 2011, 41, 530-535. | 1.5 | 29 |
| 40 | Effect of load carriage on spinal compression. <i>International Journal of Industrial Ergonomics</i> , 2011, 41, 219-223. | 1.5 | 21 |
| 41 | An image feature approach for computer-aided detection of ischemic stroke. <i>Computers in Biology and Medicine</i> , 2011, 41, 529-536. | 3.9 | 90 |
| 42 | Effect of load carriage on chronic low back pain in adults with cerebral palsy. <i>Prosthetics and Orthotics International</i> , 2011, 35, 439-444. | 0.5 | 5 |
| 43 | Effects of Traction on Structural Properties of Degenerated Disc Using an In Vivo Rat-Tail Model. <i>Spine</i> , 2010, 35, 1339-1345. | 1.0 | 21 |
| 44 | Naringin improves bone properties in ovariectomized mice and exerts oestrogen-like activities in rat osteoblast-like (UMR-106) cells. <i>British Journal of Pharmacology</i> , 2010, 159, 1693-1703. | 2.7 | 105 |
| 45 | Immediate Effects of 2 Different Whole-Body Vibration Frequencies on Muscle Peak Torque and Stiffness. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 1608-1615. | 0.5 | 26 |
| 46 | Short-term effects of backpack load placement on spine deformation and repositioning error in schoolchildren. <i>Ergonomics</i> , 2010, 53, 56-64. | 1.1 | 54 |
| 47 | In-vitro Kinematic Testing of Porcine Cervical Spine. <i>Prosthetics and Orthotics International</i> , 2009, 33, 89-98. | 0.5 | 3 |
| 48 | Effectiveness of maternity support belts in reducing low back pain during pregnancy: a review. <i>Journal of Clinical Nursing</i> , 2009, 18, 1523-1532. | 1.4 | 57 |
| 49 | Garment needs of pregnant women based on content analysis of in-depth interviews. <i>Journal of Clinical Nursing</i> , 2009, 18, 2426-2435. | 1.4 | 17 |
| 50 | Motion segmentation method for hybrid characteristic on human motion. <i>Journal of Biomechanics</i> , 2009, 42, 436-442. | 0.9 | 5 |
| 51 | Effects of backpack load placement on pulmonary capacities of normal schoolchildren during upright stance. <i>International Journal of Industrial Ergonomics</i> , 2009, 39, 703-707. | 1.5 | 16 |
| 52 | Early physiotherapy intervention in an Accident and Emergency Department reduces pain and improves satisfaction for patients with acute low back pain: a randomised trial. <i>Australian Journal of Physiotherapy</i> , 2008, 54, 243-249. | 0.9 | 77 |
| 53 | Comfort evaluation of maternity support garments in a wear trial. <i>Ergonomics</i> , 2008, 51, 1376-1393. | 1.1 | 18 |
| 54 | Improvement of bone properties and enhancement of mineralization by ethanol extract of <i>Fructus Ligustri Lucidi</i> . <i>British Journal of Nutrition</i> , 2008, 99, 494-502. | 1.2 | 55 |

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|----|--|-----|-----------|
| 55 | Technical Manual for Biomechanical Testing of Musculoskeletal Tissues. , 2008, , 839-868. | | 0 |
| 56 | Effects of Static Compression With Different Loading Magnitudes and Durations on the Intervertebral Disc. Spine, 2008, 33, 2721-2727. | 1.0 | 21 |
| 57 | Impaired Dynamic Balance Control in Adolescents With Idiopathic Scoliosis and Abnormal Somatosensory Evoked Potentials. Journal of Pediatric Orthopaedics, 2008, 28, 846-849. | 0.6 | 56 |
| 58 | The Effect of Rigid Versus Flexible Spinal Orthosis on the Clinical Efficacy and Acceptance of the Patients With Adolescent Idiopathic Scoliosis. Spine, 2008, 33, 1360-1365. | 1.0 | 97 |
| 59 | Motor Control Learning in Chronic Low Back Pain. Spine, 2008, 33, E532-E538. | 1.0 | 32 |
| 60 | New color-based tracking algorithm for joints of the upper extremities. , 2007, , . | | 0 |
| 61 | Anti-osteoporotic effect of Erythrina variegata L. in ovariectomized rats. Journal of Ethnopharmacology, 2007, 109, 165-169. | 2.0 | 38 |
| 62 | Changes in spinal curvature and proprioception of schoolboys carrying different weights of backpack. Ergonomics, 2007, 50, 2148-2156. | 1.1 | 67 |
| 63 | Reliability of radiographic intervertebral disc height measurement for in vivo rat-tail model. Medical Engineering and Physics, 2007, 29, 814-819. | 0.8 | 18 |
| 64 | The effects of load carriage and bracing on the balance of schoolgirls with adolescent idiopathic scoliosis. European Spine Journal, 2007, 16, 1351-1358. | 1.0 | 34 |
| 65 | The feasibility of repositioning ability as a tool for ergonomic evaluation: effects of chair back inclination and fatigue on head repositioning. Ergonomics, 2006, 49, 860-873. | 1.1 | 16 |
| 66 | The effect of backpack weight on the standing posture and balance of schoolgirls with adolescent idiopathic scoliosis and normal controls. Gait and Posture, 2006, 24, 173-181. | 0.6 | 97 |
| 67 | The effect of load carriage on the gait of girls with adolescent idiopathic scoliosis and normal controls. Medical Engineering and Physics, 2006, 28, 430-437. | 0.8 | 28 |
| 68 | The Effect of Prosthesis Alignment on the Symmetry of Gait in Subjects with Unilateral Transtibial Amputation. Prosthetics and Orthotics International, 2006, 30, 114-128. | 0.5 | 61 |
| 69 | Effects of Backpack Loading on the Pulmonary Capacities of Normal Schoolgirls and Those with Adolescent Idiopathic Scoliosis. Spine, 2005, 30, E649-E654. | 1.0 | 18 |
| 70 | The kinematics and intra- and inter-therapist consistencies of lower cervical rotational manipulation. Medical Engineering and Physics, 2005, 27, 395-401. | 0.8 | 30 |
| 71 | Muscular and centre of pressure response to sudden release of load in symmetric and asymmetric stoop lifting tasks. Applied Ergonomics, 2005, 36, 13-24. | 1.7 | 12 |
| 72 | Rotational stability of Seidel nail distal locking mechanism. Injury, 2005, 36, 1201-1205. | 0.7 | 5 |

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|----|---|-----|-----------|
| 73 | Effects of acupuncture on heart rate variability in normal subjects under fatigue and non-fatigue state. <i>European Journal of Applied Physiology</i> , 2005, 94, 633-640. | 1.2 | 128 |
| 74 | Postural perturbation and muscular response following sudden release during symmetric squat and stoop lifting. <i>Ergonomics</i> , 2005, 48, 591-607. | 1.1 | 6 |
| 75 | The effect of backpack load on the gait of normal adolescent girls. <i>Ergonomics</i> , 2005, 48, 642-656. | 1.1 | 127 |
| 76 | Development of a circuit for functional electrical stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2004, 12, 43-47. | 2.7 | 45 |
| 77 | Changes in nuclear composition following cyclic compression of the intervertebral disc in an in vivo rat-tail model. <i>Medical Engineering and Physics</i> , 2004, 26, 587-594. | 0.8 | 48 |
| 78 | Postural and trunk muscle response to sudden release during stoop lifting tasks before and after fatigue of the trunk erector muscles. <i>Ergonomics</i> , 2004, 47, 607-624. | 1.1 | 14 |
| 79 | Multi-planar bending properties of lumbar intervertebral joints following cyclic bending. <i>Clinical Biomechanics</i> , 2004, 19, 99-106. | 0.5 | 3 |
| 80 | The effects of release height on center of pressure and trunk muscle response following sudden release of stoop lifting tasks. <i>Applied Ergonomics</i> , 2003, 34, 611-619. | 1.7 | 11 |
| 81 | The effect of cyclic compression on the mechanical properties of the inter-vertebral disc: An in vivo study in a rat tail model. <i>Clinical Biomechanics</i> , 2003, 18, 182-189. | 0.5 | 79 |
| 82 | Biomechanical responses of the intervertebral joints to static and vibrational loading: a finite element study. <i>Clinical Biomechanics</i> , 2003, 18, 790-799. | 0.5 | 73 |
| 83 | The Use of Electro-Acupuncture in Conjunction with Exercise for the Treatment of Chronic Low-Back Pain. <i>Journal of Alternative and Complementary Medicine</i> , 2003, 9, 479-490. | 2.1 | 66 |
| 84 | Vertical instability in spondylolisthesis: a traction radiographic assessment technique and the principle of management. <i>Spine</i> , 2003, 28, 819-827. | 1.0 | 23 |
| 85 | How Does Recombinant Human Bone Morphogenetic Protein-4 Enhance Posterior Spinal Fusion?. <i>Spine</i> , 2002, 27, 467-474. | 1.0 | 26 |
| 86 | Sudden release during a pulling task: the effect of release load on stance perturbation and recovery. <i>Gait and Posture</i> , 2002, 15, 266-273. | 0.6 | 10 |
| 87 | Recombinant human bone morphogenetic protein-4 (rhBMP-4) enhanced posterior spinal fusion without decortication. <i>Journal of Orthopaedic Research</i> , 2002, 20, 740-746. | 1.2 | 34 |
| 88 | Goats as an Osteopenic Animal Model. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 2348-2355. | 3.1 | 35 |
| 89 | A new alignment jig for quantification and prescription of three-dimensional alignment for the patellar-tendon-bearing trans-tibial prosthesis. <i>Prosthetics and Orthotics International</i> , 1999, 23, 225-230. | 0.5 | 9 |
| 90 | Intervertebral Disc Autografting in a Bipedal Animal Model. <i>Clinical Orthopaedics and Related Research</i> , 1997, 337, 13-26. | 0.7 | 40 |

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|----|--|-----|-----------|
| 91 | Effects of Short Anterior Lumbar Interbody Fusion on Biomechanics of Neighboring Unfused Segments. Spine, 1996, 21, 549-555. | 1.0 | 225 |
| 92 | Lumbar Spinal Mobility After Short Anterior Interbody Fusion. Spine, 1995, 20, 813-817. | 1.0 | 40 |
| 93 | Torsional Stability of the Lumbosacral Junction. Spine, 1989, 14, 611-615. | 1.0 | 37 |
| 94 | The Biomechanical Functions of the Iliolumbar Ligament in Maintaining Stability of the Lumbosacral Junction. Spine, 1987, 12, 669-674. | 1.0 | 72 |