

Liang-Ching Tsai

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

467
citations

1040056

9
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

591
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Different Structural Foot Types for Measures of Standing Postural Control. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2006, 36, 942-953.	3.5	138
2	Greater muscle coactivation results in increased tibiofemoral compressive forces in females who have undergone anterior cruciate ligament reconstruction. <i>Journal of Orthopaedic Research</i> , 2012, 30, 2007-2014.	2.3	77
3	Increased Hip and Knee Flexion During Landing Decreases Tibiofemoral Compressive Forces in Women Who Have Undergone Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2013, 41, 423-429.	4.2	43
4	Effects of Fatigue and Recovery on Knee Mechanics during Side-Step Cutting. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1952-1957.	0.4	36
5	Increasing hip and knee flexion during a drop-jump task reduces tibiofemoral shear and compressive forces: implications for ACL injury prevention training. <i>Journal of Sports Sciences</i> , 2017, 35, 2405-2411.	2.0	27
6	Terminal knee extension deficit and female sex predict poorer quadriceps strength following ACL reconstruction using all-soft tissue quadriceps tendon autografts. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 3085-3095.	4.2	21
7	Magnetic Resonance Imaging Measured Muscle Parameters Improved Knee Moment Prediction of an EMG-Driven Model. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 305-312.	0.4	18
8	Exercise training for non-operative and post-operative patient with cervical radiculopathy: a literature review. <i>Journal of Physical Therapy Science</i> , 2015, 27, 3011-3018.	0.6	16
9	Age, rehabilitation and surgery characteristics are re-injury risk factors for adolescents following anterior cruciate ligament reconstruction. <i>Physical Therapy in Sport</i> , 2021, 49, 196-203.	1.9	13
10	Increased knee flexion and varus moments during gait with high-heeled shoes: A systematic review and meta-analysis. <i>Gait and Posture</i> , 2021, 85, 117-125.	1.4	11
11	Influence of Maturation on Instep Kick Biomechanics in Female Soccer Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1948-1954.	0.4	10
12	Time, graft, sex, geographic location, and isokinetic speed influence the degree of quadriceps weakness after anterior cruciate ligament reconstruction: a systematic review and meta-analysis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 3367-3376.	4.2	9
13	Effects of an Off-Axis Pivoting Elliptical Training Program on Gait Function in Persons With Spastic Cerebral Palsy. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 515-522.	1.4	8
14	Immediate video feedback on ramp, wheelie, and curb wheelchair skill training for persons with spinal cord injury. <i>Journal of Rehabilitation Research and Development</i> , 2015, 52, 421-430.	1.6	6
15	Effects of treadmill running and limb immobilization on knee cartilage degeneration and locomotor joint kinematics in rats following knee meniscal transection. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 1851-1859.	1.3	6
16	Effects of Off-Axis Elliptical Training on Reducing Pain and Improving Knee Function in Individuals With Patellofemoral Pain. <i>Clinical Journal of Sport Medicine</i> , 2015, 25, 487-493.	1.8	6
17	Lower-Limb Muscle-Activation Patterns During Off-Axis Elliptical Compared With Conventional Gluteal-Muscle-Strengthening Exercises. <i>Journal of Sport Rehabilitation</i> , 2016, 25, 164-172.	1.0	5
18	In vivo simultaneous evaluations of sarcomere imaging and muscle fiber tension. <i>Journal of Biomechanics</i> , 2016, 49, 797-801.	2.1	5

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19	Quantification of Tibiofemoral Shear and Compressive Loads Using an MRI-Based EMG-Driven Knee Model. <i>Journal of Applied Biomechanics</i> , 2013, 29, 229-234.	0.8	3
20	POSTURAL STEADINESS AFTER PROLONGED STANDING ON DIFFERENT SLOPED SURFACE IN YOUNG HEALTHY ADULTS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2016, 28, 1650007.	0.6	3
21	Selective Atrophy of the Vastus Medialis: Does It Exist in Women With Nontraumatic Patellofemoral Pain?. <i>American Journal of Sports Medicine</i> , 2021, 49, 700-705.	4.2	3
22	Changes in Muscle Stress and Sarcomere Adaptation in Mice Following Ischemic Stroke. <i>Frontiers in Physiology</i> , 2020, 11, 581846.	2.8	1
23	Lower-Limb Muscle-Activation Patterns During Off-Axis Elliptical Compared With Conventional Gluteal-Muscle-Strengthening Exercises. <i>Journal of Sport Rehabilitation</i> , 2016, 25, 164-72.	1.0	1
24	Bilateral lower extremity gait and function after unilateral total ankle arthroplasty: a case report. <i>Physiotherapy Theory and Practice</i> , 0, , 1-11.	1.3	1
25	Altered Knee Biomechanics Persist In Females Who Have Undergone ACL Reconstruction Using An Allograft. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 807.	0.4	0
26	Article 22 (NIDRR) Effectiveness of Off-Axis Training on Improving Knee Function in Individuals with Patellofemoral Pain. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, e13.	0.9	0
27	Re: Hip Strength and Knee Pain in High School Runners: A Prospective Study. <i>PM and R</i> , 2012, 4, 634-635.	1.6	0
28	Quadriceps And Hamstring Muscle Volume Following Anterior Cruciate Ligament Reconstruction Using An Allograft. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 96-97.	0.4	0
29	Altered Joint Loading Affects Cartilage Degeneration and Limb Function in Rats following Knee Meniscal Transection. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 949.	0.4	0
30	Knee Extensor Strength In The Uninjured Leg Following Anterior Cruciate Ligament Reconstruction. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 608.	0.4	0
31	Enhancement of knee extension voluntary and electrically-evoked strength with the body tilted backward. <i>Isokinetics and Exercise Science</i> , 2020, 28, 101-109.	0.4	0