Liang-Ching Tsai

List of Publications by Year
in descending order

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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	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. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 3367-3376.	4.2	9
2	Terminal knee extension deficit and female sex predict poorer quadriceps strength following ACL reconstruction using all-soft tissue quadriceps tendon autografts. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 3085-3095.	4.2	21
3	Selective Atrophy of the Vastus Medialis: Does It Exist in Women With Nontraumatic Patellofemoral Pain?. American Journal of Sports Medicine, 2021, 49, 700-705.	4.2	3
4	Increased knee flexion and varus moments during gait with high-heeled shoes: A systematic review and meta-analysis. Gait and Posture, 2021, 85, 117-125.	1.4	11
5	Age, rehabilitation and surgery characteristics are re-injury risk factors for adolescents following anterior cruciate ligament reconstruction. Physical Therapy in Sport, 2021, 49, 196-203.	1.9	13
6	Enhancement of knee extension voluntary and electrically-evoked strength with the body tilted backward. Isokinetics and Exercise Science, 2020, 28, 101-109.	0.4	0
7	Changes in Muscle Stress and Sarcomere Adaptation in Mice Following Ischemic Stroke. Frontiers in Physiology, 2020, 11, 581846.	2.8	1
8	Effects of treadmill running and limb immobilization on knee cartilage degeneration and locomotor joint kinematics in rats following knee meniscal transection. Osteoarthritis and Cartilage, 2019, 27, 1851-1859.	1.3	6
9	Knee Extensor Strength In The Uninjured Leg Following Anterior Cruciate Ligament Reconstruction. Medicine and Science in Sports and Exercise, 2018, 50, 608.	0.4	0
10	Effects of an Off-Axis Pivoting Elliptical Training Program on Gait Function in Persons With Spastic Cerebral Palsy. American Journal of Physical Medicine and Rehabilitation, 2017, 96, 515-522.	1.4	8
11	Increasing hip and knee flexion during a drop-jump task reduces tibiofemoral shear and compressive forces: implications for ACL injury prevention training. Journal of Sports Sciences, 2017, 35, 2405-2411.	2.0	27
12	Altered Joint Loading Affects Cartilage Degeneration and Limb Function in Rats following Knee Meniscal Transection. Medicine and Science in Sports and Exercise, 2017, 49, 949.	0.4	0
13	Lower-Limb Muscle-Activation Patterns During Off-Axis Elliptical Compared With Conventional Gluteal-Muscle-Strengthening Exercises. Journal of Sport Rehabilitation, 2016, 25, 164-172.	1.0	5
14	In vivo simultaneous evaluations of sarcomere imaging and muscle fiber tension. Journal of Biomechanics, 2016, 49, 797-801.	2.1	5
15	POSTURAL STEADINESS AFTER PROLONGED STANDING ON DIFFERENT SLOPED SURFACE IN YOUNG HEALTHY ADULTS. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650007.	0.6	3
16	Lower-Limb Muscle-Activation Patterns During Off-Axis Elliptical Compared With Conventional Gluteal-Muscle-Strengthening Exercises. Journal of Sport Rehabilitation, 2016, 25, 164-72.	1.0	1
17	Exercise training for non-operative and post-operative patient with cervical radiculopathy: a literature review. Journal of Physical Therapy Science, 2015, 27, 3011-3018.	0.6	16
18	Quadriceps And Hamstring Muscle Volume Following Anterior Cruciate Ligament Reconstruction Using An Allograft. Medicine and Science in Sports and Exercise, 2015, 47, 96-97.	0.4	0

#	Article	IF	Citations
19	Immediate video feedback on ramp, wheelie, and curb wheelchair skill training for persons with spinal cord injury. Journal of Rehabilitation Research and Development, 2015, 52, 421-430.	1.6	6
20	Effects of Off-Axis Elliptical Training on Reducing Pain and Improving Knee Function in Individuals With Patellofemoral Pain. Clinical Journal of Sport Medicine, 2015, 25, 487-493.	1.8	6
21	Increased Hip and Knee Flexion During Landing Decreases Tibiofemoral Compressive Forces in Women Who Have Undergone Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2013, 41, 423-429.	4.2	43
22	Quantification of Tibiofemoral Shear and Compressive Loads Using an MRI-Based EMG-Driven Knee Model. Journal of Applied Biomechanics, 2013, 29, 229-234.	0.8	3
23	Magnetic Resonance Imagingâ€"Measured Muscle Parameters Improved Knee Moment Prediction of an EMG-Driven Model. Medicine and Science in Sports and Exercise, 2012, 44, 305-312.	0.4	18
24	Article 22 (NIDRR) Effectiveness of Off-Axis Training on Improving Knee Function in Individuals with Patellofemoral Pain. Archives of Physical Medicine and Rehabilitation, 2012, 93, e13.	0.9	0
25	Re: Hip Strength and Knee Pain in High School Runners: A Prospective Study. PM and R, 2012, 4, 634-635.	1.6	0
26	Greater muscle coâ€contraction results in increased tibiofemoral compressive forces in females who have undergone anterior cruciate ligament reconstruction. Journal of Orthopaedic Research, 2012, 30, 2007-2014.	2.3	77
27	Altered Knee Biomechanics Persist In Females Who Have Undergone ACL Reconstruction Using An Allograft. Medicine and Science in Sports and Exercise, 2011, 43, 807.	0.4	0
28	Influence of Maturation on Instep Kick Biomechanics in Female Soccer Athletes. Medicine and Science in Sports and Exercise, 2011, 43, 1948-1954.	0.4	10
29	Effects of Fatigue and Recovery on Knee Mechanics during Side-Step Cutting. Medicine and Science in Sports and Exercise, 2009, 41, 1952-1957.	0.4	36
30	Comparison of Different Structural Foot Types for Measures of Standing Postural Control. Journal of Orthopaedic and Sports Physical Therapy, 2006, 36, 942-953.	3.5	138
31	Bilateral lower extremity gait and function after unilateral total ankle arthroplasty: a case report. Physiotherapy Theory and Practice, 0, , 1-11.	1.3	1