

Fong-Chin Su

List of Publications by Year in descending order

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305
papers

5,441
citations

87843

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h-index

133188

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all docs

321
docs citations

321
times ranked

5504
citing authors

#	ARTICLE	IF	CITATIONS
1	Jigless Knotless Internal Brace Versus Other Minimal Invasive Achilles Tendon Repair Techniques in Biomechanical Testing Simulating the Progressive Rehabilitation Protocol. <i>Journal of Foot and Ankle Surgery</i> , 2023, 62, 61-67.	0.5	1
2	Comparison of ultrasound and dorsal tangential view for dorsal cortex screw penetration in volar plating of the distal radius. <i>Journal of Orthopaedic Research</i> , 2023, 41, 235-240.	1.2	1
3	A Tenodesis-Induced-Grip exoskeleton robot (TIGER) for assisting upper extremity functions in stroke patients: a randomized control study. <i>Disability and Rehabilitation</i> , 2022, 44, 7078-7086.	0.9	5
4	Force Control Strategy of Five-Digit Precision Grasping With Aligned and Unaligned Configurations. <i>Human Factors</i> , 2022, , 001872082110409.	2.1	1
5	Biomechanical analysis of force distribution in one-handed and two-handed child chest compression-a randomized crossover observational study. <i>BMC Emergency Medicine</i> , 2022, 22, 13.	0.7	1
6	A Novel and Clinically Feasible Instrument for Quantifying Upper Limb Muscle Tone and Motor Function via Indirect Measure Methods. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2022, 10, 1-8.	2.2	1
7	Is early trunk rotation really hazardous for shoulder biomechanics in baseball throwing?. <i>Journal of Shoulder and Elbow Surgery</i> , 2022, , .	1.2	0
8	Externally applied force helps reduce bowstring effect of flexors in patients with carpal tunnel release surgery. <i>Musculoskeletal Science and Practice</i> , 2022, 58, 102517.	0.6	0
9	Beyond Sarcopenia: older adults with type II diabetes mellitus tend to experience an elevated risk of poor dynamic balance—a case—control study. <i>BMC Geriatrics</i> , 2022, 22, 138.	1.1	6
10	Effects of a Virtual Reality—Based Mirror Therapy Program on Improving Sensorimotor Function of Hands in Chronic Stroke Patients: A Randomized Controlled Trial. <i>Neurorehabilitation and Neural Repair</i> , 2022, 36, 335-345.	1.4	15
11	Estimating the Neovascularity of Human Finger Tendon Through High-Frequency Ultrasound Micro-Doppler Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2667-2678.	2.5	2
12	Generative Adversarial Network (GAN) for Automatic Reconstruction of the 3D Spine Structure by Using Simulated Bi-Planar X-ray Images. <i>Diagnostics</i> , 2022, 12, 1121.	1.3	13
13	The Correlation of Carpal Tunnel Pressure with Clinical Outcomes following Ultrasonographically-Guided Percutaneous Carpal Tunnel Release. <i>Journal of Personalized Medicine</i> , 2022, 12, 1045.	1.1	0
14	Skill level and forearm muscle fatigue effects on ball speed in tennis serve. <i>Sports Biomechanics</i> , 2021, 20, 419-430.	0.8	5
15	Effect of a Novel Perturbation-Based Pinch Task Training on Sensorimotor Performance of Upper Extremity for Patients With Chronic Stroke: A Pilot Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2021, 102, 811-818.	0.5	2
16	Development and Testing of a Virtual Reality Mirror Therapy System for the Sensorimotor Performance of Upper Extremity: A Pilot Randomized Controlled Trial. <i>IEEE Access</i> , 2021, 9, 14725-14734.	2.6	19
17	A New Method for Evaluating Pelvic and Trunk Rotational Pitching Mechanics: From Qualitative to Quantitative Approaches. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 905.	1.2	6
18	The Comparisons of Physical Functional Performances between Older Adults with and without Regular Physical Activity in Two Different Living Settings. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3561.	1.2	5

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19	Evidence-based Customized Ankle-Foot Orthosis with Energy Storage. <i>Journal of Medical and Biological Engineering</i> , 2021, 41, 126-136.	1.0	5
20	Dynamic Anthropometrics of Preschool Children in Taiwan for Playground Equipment Designs. <i>Journal of Medical and Biological Engineering</i> , 2021, 41, 273-284.	1.0	1
21	Six-Week Remodeled Bike Pedal Training Improves Dynamic Control of Lateral Shuffling in Athletes With Functional Ankle Instability. <i>Sports Health</i> , 2021, , 194173812110357.	1.3	3
22	Evaluation of Hand Tendon Elastic Properties During Rehabilitation Through High-Frequency Ultrasound Shear Elastography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 2716-2726.	1.7	9
23	How does the side of approach impact the force delivered during external chest compression?. <i>American Journal of Emergency Medicine</i> , 2021, 48, 67-72.	0.7	3
24	High molecular weight form of hyaluronic acid reduces neuroinflammatory response in injured sciatic nerve via the intracellular domain of CD44 . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 673-680.	1.6	7
25	Jigless knotless internal brace versus other open Achilles tendon repairs using a progressive rehabilitation protocol: a biomechanical study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 908.	0.8	3
26	Effects of vibrotactile-enhanced music-based intervention on sensorimotor control capacity in the hand of an aging brain: a pilot feasibility randomized crossover trial. <i>BMC Geriatrics</i> , 2021, 21, 660.	1.1	0
27	Forearm muscle activation, ulnar nerve at the elbow and forearm fatigue in overhand sports. <i>Sports Biomechanics</i> , 2020, 19, 792-807.	0.8	0
28	Biomechanics of two-thumb versus two-finger chest compression for cardiopulmonary resuscitation in an infant manikin model. <i>European Journal of Emergency Medicine</i> , 2020, 27, 132-136.	0.5	15
29	Effect of Novel Remodeled Bicycle Pedal Training on Balance Performance in Athletes With Functional Ankle Instability. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 600187.	2.0	3
30	Med-Tech Industry Entry Strategy Analysis under COVID-19 Impact. <i>Healthcare (Switzerland)</i> , 2020, 8, 431.	1.0	5
31	Establishing the Digital Transformation Strategies for the Med-Tech Enterprises Based on the AIA-NRM Approach. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7574.	1.3	6
32	Sequential inflammation model for Achilles tendinopathy by elastin degradation with treadmill exercise. <i>Journal of Orthopaedic Translation</i> , 2020, 23, 113-121.	1.9	5
33	Evaluation of Hand Tendon Movement by Using High-Frequency Ultrasound Vector Doppler Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2945-2952.	2.5	13
34	Comparison of knee biomechanical characteristics during exercise between pinnacle and step trainers. <i>Gait and Posture</i> , 2020, 77, 201-206.	0.6	1
35	Characterization of the extensor digitorum communis tendon using high-frequency ultrasound shear wave elastography. <i>Medical Physics</i> , 2020, 47, 1609-1618.	1.6	11
36	Segmentation of finger tendon and synovial sheath in ultrasound image using deep convolutional neural network. <i>BioMedical Engineering OnLine</i> , 2020, 19, 24.	1.3	9

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37	Effect of Display Location on Finger Motor Skill Training with Music-Based Gamification. Lecture Notes in Computer Science, 2020, , 78-90.	1.0	1
38	Individualized Running Wheel System with a Dynamically Adjustable Exercise Area and Speed for Rats Following Ischemic Stroke. Medical Science Monitor, 2020, 26, e924411.	0.5	0
39	Individualized Running Wheel System with a Dynamically Adjustable Exercise Area and Speed for Rats Following Ischemic Stroke. Medical Science Monitor, 2020, 26, e924411.	0.5	1
40	Roboticâ€assisted therapy with bilateral practice improves task and motor performance in the upper extremities of chronic stroke patients: A randomised controlled trial. Australian Occupational Therapy Journal, 2019, 66, 637-647.	0.6	14
41	Classifying hand sensorimotor functions of the chronic kidney disease patients using novel manual tactile test and pinch-holding-up activity. PLoS ONE, 2019, 14, e0219762.	1.1	4
42	What the future holds for Biomedical Engineering Online?. BioMedical Engineering OnLine, 2019, 18, 81.	1.3	0
43	EDITORIAL: 21ST INTERNATIONAL CONFERENCE ON MECHANICS IN MEDICINE AND BIOLOGY 2018 BEST PAPER AWARDS. Journal of Mechanics in Medicine and Biology, 2019, 19, 1902002.	0.3	0
44	Effects of body weight support and pedal stance width on joint loading during pinnacle trainer exercise. Gait and Posture, 2019, 74, 45-52.	0.6	1
45	Different suture anchor fixation techniques affect contact properties in humeral greater tuberosity fracture: a biomechanical study. BMC Musculoskeletal Disorders, 2019, 20, 26.	0.8	10
46	Exercise Preconditioning Attenuates Neurological Injury by Preserving Old and Newly Formed HSP72-Containing Neurons in Focal Brain Ischemia Rats. International Journal of Medical Sciences, 2019, 16, 675-685.	1.1	14
47	Kinematic Analysis of Postural Stability During Ballet Turns (pirouettes) in Experienced and Novice Dancers. Frontiers in Bioengineering and Biotechnology, 2019, 7, 290.	2.0	3
48	Effect of metacarpophalangeal joint position on A1 pulley and flexor digitorum tendons in trigger digit. Journal of the Chinese Medical Association, 2019, 82, 778-781.	0.6	1
49	Anthropometric Database of the Preschool Children from 2 to 6ÂYears in Taiwan. Journal of Medical and Biological Engineering, 2019, 39, 552-568.	1.0	8
50	Integration of Augmented Reality with Pressing Evaluation and Training System for Finger Force Training. Lecture Notes in Computer Science, 2019, , 575-587.	1.0	1
51	Comprehensive simulation on morphological and mechanical properties of trigger finger â€ A cadaveric model. Journal of Biomechanics, 2018, 74, 187-191.	0.9	5
52	Schwann-Cell Autophagy, Functional Recovery, and Scar Reduction After Peripheral Nerve Repair. Journal of Molecular Neuroscience, 2018, 64, 601-610.	1.1	27
53	Mechanical problem in 3D printed ankle-foot orthoses with function of energy storage. AIP Conference Proceedings, 2018, , .	0.3	4
54	High-molecular-weight hyaluronic acid attenuated matrix metalloproteinase-1 and -3 expression via CD44 in tendinopathy. Scientific Reports, 2017, 7, 40840.	1.6	25

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55	Modeling of indentation into inhomogeneous soft tissues. AIP Conference Proceedings, 2017, , .	0.3	1
56	Reactive oxygen species are required for zoledronic acid-induced apoptosis in osteoclast precursors and mature osteoclast-like cells. Scientific Reports, 2017, 7, 44245.	1.6	42
57	Determining the functional sensibility of the hand in patients with peripheral nerve repair: Feasibility of using a novel manual tactile test for monitoring the progression of nerve regeneration. Journal of Hand Therapy, 2017, 30, 65-73.	0.7	5
58	354 Biomechanical Aspect of Two-Finger Versus Two-Thumb Chest Compression for Cardiopulmonary Resuscitation in Infant Manikin Model. Annals of Emergency Medicine, 2017, 70, S140.	0.3	0
59	Dynamic weight bearing analysis is effective for evaluation of tendinopathy using a customized corridor with multi-directional force sensors in a rat model. Scientific Reports, 2017, 7, 8708.	1.6	8
60	Characteristics of Sonography in a Rat Achilles Tendinopathy Model: Possible Non-invasive Predictors of Biomechanics. Scientific Reports, 2017, 7, 5100.	1.6	17
61	Ultrasound-Assisted Percutaneous Release in Carpal Tunnel Syndrome and Trigger Digits: A Over 1000-Case Series. Ultrasound in Medicine and Biology, 2017, 43, S196.	0.7	0
62	Tendon-motion tracking in an ultrasound image sequence using optical-flow-based block matching. BioMedical Engineering OnLine, 2017, 16, 47.	1.3	7
63	Quantitative Assessment of First Annular Pulley and Adjacent Tissues Using High-Frequency Ultrasound. Sensors, 2017, 17, 107.	2.1	4
64	Video-tactile pneumatic sensor for soft tissue elastic modulus estimation. BioMedical Engineering OnLine, 2017, 16, 94.	1.3	13
65	A medical imaging analysis system for trigger finger using an adaptive texture-based active shape model (ATASM) in ultrasound images. PLoS ONE, 2017, 12, e0187042.	1.1	5
66	Comparison of breast motion at different levels of support during physical activity. Journal of Human Sport and Exercise, 2017, 12, .	0.2	7
67	Cross-Sectional Nakagami Images in Passive Stretches Reveal Damage of Injured Muscles. BioMed Research International, 2016, 2016, 1-11.	0.9	2
68	Kinematic Analyses of the Thumb during Simulated Posteroanterior Glide Mobilization. PLoS ONE, 2016, 11, e0161624.	1.1	2
69	Cyclic Stretch Facilitates Myogenesis in C2C12 Myoblasts and Rescues Thiazolidinedione-Inhibited Myotube Formation. Frontiers in Bioengineering and Biotechnology, 2016, 4, 27.	2.0	28
70	Role of Excessive Autophagy Induced by Mechanical Overload in Vein Graft Neointima Formation: Prediction and Prevention. Scientific Reports, 2016, 6, 22147.	1.6	12
71	The effects of forearm fatigue on baseball fastball pitching, with implications about elbow injury. Journal of Sports Sciences, 2016, 34, 1182-1189.	1.0	20
72	Assembling Composite Dermal Papilla Spheres with Adipose-derived Stem Cells to Enhance Hair Follicle Induction. Scientific Reports, 2016, 6, 26436.	1.6	42

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73	Identification of the Position and Thickness of the First Annular Pulley in Sonographic Images. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1075-1083.	0.7	8
74	Manual Tactile Test Predicts Sensorimotor Control Capability of Hands for Patients With Peripheral Nerve Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 983-990.	0.5	5
75	The repeatability of digital force waveform during natural grasping with five digits. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 85, 124-131.	2.5	3
76	Ultrasound-Guided Percutaneous Radiofrequency Lesioning When Treating Recalcitrant Plantar Fasciitis: Clinical Results. <i>Ultraschall in Der Medizin</i> , 2016, 37, 56-62.	0.8	7
77	The Potential Risk Factors Relevant to Lateral Epicondylitis by Wrist Coupling Posture. <i>PLoS ONE</i> , 2016, 11, e0155379.	1.1	3
78	Intratendinous Injection of Hyaluronate Induces Acute Inflammation: A Possible Detrimental Effect. <i>PLoS ONE</i> , 2016, 11, e0155424.	1.1	9
79	Assessing Finger Joint Biomechanics by Applying Equal Force to Flexor Tendons In Vitro Using a Novel Simultaneous Approach. <i>PLoS ONE</i> , 2016, 11, e0160301.	1.1	16
80	Characteristics of the Motor Units during Sternocleidomastoid Isometric Flexion among Patients with Mechanical Neck Disorder and Asymptomatic Individuals. <i>PLoS ONE</i> , 2016, 11, e0167737.	1.1	6
81	Electromyography of symmetrical trunk movements and trunk position sense in chronic stroke patients. <i>Journal of Physical Therapy Science</i> , 2015, 27, 2675-2681.	0.2	18
82	Relationship between trunk stability during voluntary limb and trunk movements and clinical measurements of patients with chronic stroke. <i>Journal of Physical Therapy Science</i> , 2015, 27, 2201-2206.	0.2	13
83	Impacts of elevated glycaemic haemoglobin and disease duration on the sensorimotor control of hands in diabetes patients. <i>Diabetes/Metabolism Research and Reviews</i> , 2015, 31, 385-394.	1.7	18
84	Comparison of objective muscle strength in c5â€c6 and c5â€c7 brachial plexus injury patients after double nerve transfer. <i>Microsurgery</i> , 2015, 35, 107-114.	0.6	28
85	Assessment from Functional Perspectives: Using Sensorimotor Control in the Hand as an Outcome Indicator in the Surgical Treatment of Carpal Tunnel Syndrome. <i>PLoS ONE</i> , 2015, 10, e0128420.	1.1	14
86	Adaptive segmentation of nuclei in H&S stained tendon microscopy. , 2015, , .		0
87	Automatic segmentation and classification of tendon nuclei from IHC stained images. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
88	Changes in excursion and strain in the rat sciatic nerve under cauda equina compression induced by epidural balloon inflation. <i>Spine Journal</i> , 2015, 15, 329-335.	0.6	4
89	Effects of Different Extents of Pulley Release on Tendon Excursion Efficiency and Tendon Moment Arms. <i>Journal of Orthopaedic Research</i> , 2015, 33, 224-228.	1.2	7
90	Is the Control of Applied Digital Forces During Natural Five-digit Grasping Affected by Carpal Tunnel Syndrome?. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2371-2382.	0.7	10

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91	Within-Session Reliability and Smallest Real Difference of Muscle Strength Following Nerve Transfers in Patients With Brachial Plexus Injuries. <i>Journal of Hand Surgery</i> , 2015, 40, 1196-1201.	0.7	7
92	Effects of Arch Support Insoles on Gait Patterns of Patients with Knee Osteoarthritis. <i>Journal of Medical and Biological Engineering</i> , 2015, 35, 202-208.	1.0	5
93	Application of Video-Assisted Tactile Sensor and Finite Element Simulation for Estimating Young's Modulus of Porcine Liver. <i>Journal of Medical and Biological Engineering</i> , 2015, 35, 510-516.	1.0	8
94	Effect of shoulder abduction on the fixation of humeral greater tuberosity fractures: a biomechanical study for three types of fixation constructs. <i>Journal of Shoulder and Elbow Surgery</i> , 2015, 24, 547-554.	1.2	12
95	The reproducibility comparison of two intervertebral translation measurements in cervical flexion-extension. <i>Spine Journal</i> , 2015, 15, 1083-1091.	0.6	5
96	Finger Movement Function After Ultrasound-Guided Percutaneous Pulley Release for Trigger Finger: Effects of Postoperative Rehabilitation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, 91-97.	0.5	7
97	PS4-4 Step Height on Biomechanical Characteristics in Pinnacle Trainer Exercise(PS4: Poster Short) Tj ETQq1 1 0.784314 rgBT /Overlock Emerging Science and Technology in Biomechanics, 2015, 2015.8, 284.	0.0	0
98	PS5-7 Evaluation of Reachable Workspace in Patients with C5-C6 Brachial Plexus Injuries(PS5: Poster) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 305.	0.0	0
99	PS6-8 Effect of Isokinetic Eccentric Training on Patients with Lateral Epicondylar Tendinopathy(PS6:) Tj ETQq1 1 0.784314 rgBT /Overlock Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 326.	0.0	0
100	PS8-6 Investigation of Correlation between Crop-Top Bra and Breast Movement(PS8: Poster Short) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Emerging Science and Technology in Biomechanics, 2015, 2015.8, 358.	0.0	0
101	PS4-7 EFFECTS OF STROKE PATTERNS ON KINEMATICS OF THE UPPER EXTREMITY AND PROPULSION FORCES : A PRELIMINARY STUDY(PS4: Poster Short Presentation IV,Poster Session). <i>The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics</i> , 2015, 2015.8, 287.	0.0	0
102	Dynamic Ultrasound with a Novel Technique for Clinical Assessment of the Subacromial Space Stenosis: A Pilot Study. <i>IFMBE Proceedings</i> , 2015, , 236-239.	0.2	0
103	PS7-3 Different Pitching Mechanics between Sidearm and Overhand Baseball Pitchers(PS7: Poster Short) Tj ETQq1 1 0.784314 rgBT /Overlock Emerging Science and Technology in Biomechanics, 2015, 2015.8, 340.	0.0	0
104	GS6-1 BIOMECHANICAL ASSESSMENT OF COLLAGENASE-INDUCED ACHILLES TENDINOPATHY IN RATS(GS6:) Tj ETQq0 0 0 rgBT /Overlock Emerging Science and Technology in Biomechanics, 2015, 2015.8, 171.	0.0	0
105	How the Impact of Median Neuropathy on Sensorimotor Control Capability of Hands for Diabetes: An Achievable Assessment from Functional Perspectives. <i>PLoS ONE</i> , 2014, 9, e94452.	1.1	21
106	GAIT PATTERNS AFTER POSTERIOR CRUCIATE LIGAMENT INJURY: A COMPARISON OF SYMPTOMATIC AND ASYMPTOMATIC PATIENTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2014, 14, 1450070.	0.3	1
107	Education of biomedical engineering in Taiwan. , 2014, 2014, 5153-5.		3
108	In Vivo Analysis of Trapeziometacarpal Joint Kinematics during Pinch Tasks. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	4

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109	PREDICTING THE VERTEBRAL BODY POSITION BASED ON PALPATED SPINOUS PROCESS POSITION. <i>Journal of Mechanics in Medicine and Biology</i> , 2014, 14, 1450010.	0.3	0
110	Assessment of the Kinetic Trajectory of the Median Nerve in the Wrist by High-Frequency Ultrasound. <i>Sensors</i> , 2014, 14, 7738-7752.	2.1	4
111	Virtual hand modeling for ultrasound-guided percutaneous surgical simulator. , 2014, , .		0
112	Push-fast recommendation on performing CPR causes excessive chest compression rates, a manikin model. <i>American Journal of Emergency Medicine</i> , 2014, 32, 1455-1459.	0.7	11
113	Surgical treatment for total root avulsion type brachial plexus injuries by neurotization: A prospective comparison study between total and hemicentralateral C7 nerve root transfer. <i>Microsurgery</i> , 2014, 34, 91-101.	0.6	55
114	A Better Posture Strategy for Fingertip Force and Finger Coordination during a Daily Activity. <i>Packaging Technology and Science</i> , 2014, 27, 775-785.	1.3	4
115	The Effect of Jar Holding Posture on Finger Force and Torque during a Jar-Opening Task for Young Females. <i>Packaging Technology and Science</i> , 2014, 27, 265-276.	1.3	5
116	Model-based tendon segmentation from ultrasound images. , 2014, , .		2
117	Activation of p38 MAPK-regulated Bcl-xL signaling increases survival against zoledronic acid-induced apoptosis in osteoclast precursors. <i>Bone</i> , 2014, 67, 166-174.	1.4	31
118	Image-assisted method for estimating local stiffness of soft tissues and calibration of bias due to aqueous humor effect. <i>Sensors and Actuators A: Physical</i> , 2014, 212, 42-51.	2.0	9
119	A nanopatterned cell-seeded cardiac patch prevents electro-uncoupling and improves the therapeutic efficacy of cardiac repair. <i>Biomaterials Science</i> , 2014, 2, 567.	2.6	45
120	Electromyography activity of selected trunk muscles during cardiopulmonary resuscitation. <i>American Journal of Emergency Medicine</i> , 2014, 32, 216-220.	0.7	11
121	In vivo analysis of trapeziometacarpal joint arthrokinematics during multi-directional thumb motions. <i>Clinical Biomechanics</i> , 2014, 29, 1009-1015.	0.5	4
122	Differences of Ballet Turns (<i>Pirouette</i>) Performance Between Experienced and Novice Ballet Dancers. <i>Research Quarterly for Exercise and Sport</i> , 2014, 85, 330-340.	0.8	18
123	Clinical and pathological correlates of severity classifications in trigger fingers based on computer-aided image analysis. <i>BioMedical Engineering OnLine</i> , 2014, 13, 100.	1.3	9
124	Comparison of neck movement smoothness between patients with mechanical neck disorder and healthy volunteers using the spectral entropy method. <i>European Spine Journal</i> , 2014, 23, 1743-1748.	1.0	12
125	Diagnosis From Functional Perspectives: Usefulness of a Manual Tactile Test for Predicting Precision Pinch Performance and Disease Severity in Subjects With Carpal Tunnel Syndrome. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 717-725.	0.5	8
126	Effects of the type and direction of support surface perturbation on postural responses. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 50.	2.4	28

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127	Effects of Age and Gender on Dynamic Stability During Stair Descent. Archives of Physical Medicine and Rehabilitation, 2014, 95, 1860-1869.	0.5	33
128	The severity of the long head biceps tendinopathy in patients with chronic rotator cuff tears: macroscopic versus microscopic results. Journal of Shoulder and Elbow Surgery, 2014, 23, 1099-1106.	1.2	56
129	Effect of prior experience and task stability on the intrinsic muscle activity of the thumb. Manual Therapy, 2014, 19, 484-489.	1.6	3
130	Biomechanical aspects of trigger finger " which changed first, the pulley or the tendon?. Journal of Biomechanical Science and Engineering, 2014, 9, 13-00237-13-00237.	0.1	3
131	The effects of fixation method of anterior cruciate ligament repair surgery on knee kinematics under anteroposterior and tibial rotatory loads. Journal of Biomechanical Science and Engineering, 2014, 9, 13-00185-13-00185.	0.1	6
132	Influence of Ankle Injury on Muscle Activation and Postural Control During Ballet Grand Plié. Journal of Applied Biomechanics, 2014, 30, 37-49.	0.3	8
133	A Comparison of Ballet Dancers With Different Level of Experience in Performing Single-Leg Stance on Retiré Position. Motor Control, 2014, 18, 199-212.	0.3	15
134	The Relationships between Foot Arch Volumes and Dynamic Plantar Pressure during Midstance of Walking in Preschool Children. PLoS ONE, 2014, 9, e94535.	1.1	26
135	Title is missing!. Journal of Medical and Biological Engineering, 2014, 34, 123.	1.0	1
136	Title is missing!. Journal of Medical and Biological Engineering, 2014, 34, 399.	1.0	15
137	Comparison of dominant hand range of motion among throwing types in baseball pitchers. Human Movement Science, 2013, 32, 719-729.	0.6	16
138	Developing functional workspace for the movement of trunk circumduction in healthy young subjects: a reliability study. BioMedical Engineering OnLine, 2013, 12, 4.	1.3	2
139	Establishment of a Proper Manual Tactile Test for Hands With Sensory Deficits. Archives of Physical Medicine and Rehabilitation, 2013, 94, 451-458.	0.5	11
140	Modeling of the stress state of the thumb carpometacarpal joint. Mechanics of Solids, 2013, 48, 439-449.	0.3	0
141	A Knowledge-Based Approach for Carpal Tunnel Segmentation from Magnetic Resonance Images. Journal of Digital Imaging, 2013, 26, 510-520.	1.6	8
142	Multiresolution Image Analysis for Automatic Quantification of Collagen Gel Contraction. , 2013, , .		0
143	Quantifying catch and release: The extensor tendon force needed to overcome the catching flexors in trigger fingers. Journal of Orthopaedic Research, 2013, 31, 1130-1135.	1.2	10
144	Artefact-reduced kinematics measurement using a geometric finger model with mixture-prior particle filtering. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 861-872.	0.9	2

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145	Muscular motion estimation from 4-D ultrasound image using Kalman filter and rotation-invariant feature descriptor. , 2013, , .		0
146	Effects of leg dominance on performance of ballet turns (<i>pirouettes</i>) by experienced and novice dancers. Journal of Sports Sciences, 2013, 31, 1781-1788.	1.0	19
147	Setup of a Novel Biofeedback Prototype for Sensorimotor Control of the Hand and Preliminary Application in Patients With Peripheral Nerve Injuries. Physical Therapy, 2013, 93, 168-178.	1.1	6
148	Postural responses to yaw rotation of support surface. Gait and Posture, 2013, 37, 296-299.	0.6	4
149	Reply to Letter to the Editor Re: "Ultrasonography for Diagnosing Carpal Tunnel Syndrome: A Meta-Analysis of Diagnostic Test Accuracy" Ultrasonography in Medicine and Biology, 2013, 39, 1129-1130.	0.7	2
150	Migration Patterns and Cell Functions of Adipose-Derived Stromal Cells on Self-Assembled Monolayers with Different Functional Groups. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 94-117.	1.9	13
151	Mechanical energy and power flow analysis of wheelchair use with different camber settings. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 403-412.	0.9	4
152	Automatic and quantitative measurement of collagen gel contraction using model-guided segmentation. Measurement Science and Technology, 2013, 24, 085702.	1.4	10
153	Effect of scanning direction on the statistical parameters of ultrasonic signals backscattered from the annular pulley and tendon. , 2013, , .		1
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