

Fong-Chin Su

List of Publications by Year in descending order

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305
papers

5,441
citations

87843

38
h-index

133188

59
g-index

321
all docs

321
docs citations

321
times ranked

5504
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemiplegic gait of stroke patients: The effect of using a cane. Archives of Physical Medicine and Rehabilitation, 1999, 80, 777-784.	0.5	156
2	Gait analysis after ankle arthrodesis. Gait and Posture, 2000, 11, 54-61.	0.6	155
3	Ultrasonography for Diagnosing Carpal Tunnel Syndrome: A Meta-Analysis of Diagnostic Test Accuracy. Ultrasound in Medicine and Biology, 2012, 38, 1121-1128.	0.7	151
4	Kinematical measure for spastic reaching in children with cerebral palsy. Clinical Biomechanics, 2005, 20, 381-388.	0.5	150
5	Effect of the Kinesio tape to muscle activity and vertical jump performance in healthy inactive people. BioMedical Engineering OnLine, 2011, 10, 70.	1.3	146
6	The dynamic balance of the children with cerebral palsy and typical developing during gait. Part I: Spatial relationship between COM and COP trajectories. Gait and Posture, 2009, 29, 465-470.	0.6	122
7	Effects of foot orthoses on gait patterns of flat feet patients. Clinical Biomechanics, 2010, 25, 265-270.	0.5	100
8	Effect of slip on movement of body center of mass relative to base of support. Clinical Biomechanics, 2001, 16, 167-173.	0.5	98
9	Rising from chair after total knee arthroplasty. Clinical Biomechanics, 1998, 13, 176-181.	0.5	92
10	Effects of Robot-Aided Bilateral Force-Induced Isokinetic Arm Training Combined With Conventional Rehabilitation on Arm Motor Function in Patients With Chronic Stroke. Archives of Physical Medicine and Rehabilitation, 2007, 88, 1332-1338.	0.5	92
11	Common abnormal kinetic patterns of the knee in gait in spastic diplegia of cerebral palsy. Gait and Posture, 2000, 11, 224-232.	0.6	90
12	Directional shear flow and Rho activation prevent the endothelial cell apoptosis induced by micropatterned anisotropic geometry. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1254-1259.	3.3	85
13	PERFORMANCE OF STATIC STANDING BALANCE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY UNDER ALTERED SENSORY ENVIRONMENTS ¹ . American Journal of Physical Medicine and Rehabilitation, 1999, 78, 336-343.	0.7	72
14	Gait analysis after total hip arthroplasty with leg-length equalization in women with unilateral congenital complete dislocation of the hip " comparison with untreated patients. Journal of Orthopaedic Research, 2001, 19, 1147-1152.	1.2	70
15	Comparison of Postural Stability Between Injured and Uninjured Ballet Dancers. American Journal of Sports Medicine, 2011, 39, 1324-1331.	1.9	70
16	Feasibility of using a video-based motion analysis system for measuring thumb kinematics. Journal of Biomechanics, 2002, 35, 1499-1506.	0.9	65
17	Effect of elbow flexion on upper extremity impact forces during a fall. Clinical Biomechanics, 2001, 16, 888-894.	0.5	64
18	Optimum length of muscle contraction. Clinical Biomechanics, 1999, 14, 537-542.	0.5	58

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19	Effects of rescuer position on the kinematics of cardiopulmonary resuscitation (CPR) and the force of delivered compressions. <i>Resuscitation</i> , 2008, 76, 69-75.	1.3	58
20	The three-dimensional analysis of three thumb joints coordination in activities of daily living. <i>Clinical Biomechanics</i> , 2011, 26, 371-376.	0.5	56
21	The severity of the long head biceps tendinopathy in patients with chronic rotator cuff tears: macroscopic versus microscopic results. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 1099-1106.	1.2	56
22	Prediction of muscle force involved in shoulder internal rotation. <i>Journal of Shoulder and Elbow Surgery</i> , 2000, 9, 188-195.	1.2	55
23	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
24	The Motion Analysis System and Goniometry of the Finger Joints. <i>Journal of Hand Surgery</i> , 1998, 23, 788-791.	0.9	54
25	The quantitative measurements of the intervertebral angulation and translation during cervical flexion and extension. <i>European Spine Journal</i> , 2007, 16, 1435-1444.	1.0	53
26	Movement of finger joints induced by synergistic wrist motion. <i>Clinical Biomechanics</i> , 2005, 20, 491-497.	0.5	52
27	Roles of MAP kinases in the regulation of bone matrix gene expressions in human osteoblasts by oscillatory fluid flow. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 632-641.	1.2	52
28	The effects of rocker sole and SACH heel on kinematics in gait. <i>Medical Engineering and Physics</i> , 2004, 26, 639-646.	0.8	48
29	Frequency spectral characteristics of standing balance in children and young adults. <i>Medical Engineering and Physics</i> , 2003, 25, 509-515.	0.8	47
30	Kinematics and kinetics of the lower extremities of young and elder women during stairs ascent while wearing low and high-heeled shoes. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 1071-1078.	0.7	47
31	Mechanical energy and power flow of the upper extremity in manual wheelchair propulsion. <i>Clinical Biomechanics</i> , 2003, 18, 106-114.	0.5	45
32	The dynamic balance of the children with cerebral palsy and typical developing during gait. <i>Gait and Posture</i> , 2009, 29, 471-476.	0.6	45
33	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
34	Suture anchor versus screw fixation for greater tuberosity fractures of the humerus—a biomechanical study. <i>Journal of Orthopaedic Research</i> , 2012, 30, 423-428.	1.2	43
35	Muscle forces analysis in the shoulder mechanism during wheelchair propulsion. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2004, 218, 213-221.	1.0	42
36	Assembling Composite Dermal Papilla Spheres with Adipose-derived Stem Cells to Enhance Hair Follicle Induction. <i>Scientific Reports</i> , 2016, 6, 26436.	1.6	42

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37	Reactive oxygen species are required for zoledronic acid-induced apoptosis in osteoclast precursors and mature osteoclast-like cells. <i>Scientific Reports</i> , 2017, 7, 44245.	1.6	42
38	An Instrumented Wheel for Kinetic Analysis of Wheelchair Propulsion. <i>Journal of Biomechanical Engineering</i> , 1998, 120, 533-535.	0.6	41
39	Vestibular System in Performance of Standing Balance of Children and Young Adults under Altered Sensory Conditions. <i>Perceptual and Motor Skills</i> , 2001, 92, 1167-1179.	0.6	41
40	Significance of Acceleration Period in a Dynamic Strength Testing Study. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 1994, 19, 324-330.	1.7	39
41	Evidence for increased myofibrillar mobility in desmin-null mouse skeletal muscle. <i>Journal of Experimental Biology</i> , 2002, 205, 321-325.	0.8	39
42	Design and testing of a genetic algorithm neural network in the assessment of gait patterns. <i>Medical Engineering and Physics</i> , 2000, 22, 67-74.	0.8	38
43	Hand Span and Digital Motion on the Keyboard: Concerns of Overuse Syndrome in Musicians. <i>Journal of Hand Surgery</i> , 2006, 31, 830-835.	0.7	36
44	Potential of the back propagation neural network in the assessment of gait patterns in ankle arthrodesis. <i>Clinical Biomechanics</i> , 2000, 15, 143-145.	0.5	35
45	Quantitative measurement of changes in adhesion force involving focal adhesion kinase during cell attachment, spread, and migration. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 256-265.	1.0	35
46	Foot progression angle and ankle joint complex in preschool children. <i>Clinical Biomechanics</i> , 2000, 15, 271-277.	0.5	34
47	The Use of the Motion Analysis System for Evaluation of Loss of Movement in the Finger. <i>Journal of Hand Surgery</i> , 2000, 25, 195-199.	0.9	33
48	Segmental Percentage Contributions of Cervical Spine During Different Motion Ranges of Flexion and Extension. <i>Journal of Spinal Disorders and Techniques</i> , 2010, 23, 278-284.	1.8	33
49	Effects of Age and Gender on Dynamic Stability During Stair Descent. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014, 95, 1860-1869.	0.5	33
50	Sit-to-stand at different periods of pregnancy. <i>Clinical Biomechanics</i> , 2001, 16, 194-198.	0.5	31
51	Feasibility of using surface markers for assessing motion of the thumb trapeziometacarpal joint. <i>Clinical Biomechanics</i> , 2003, 18, 558-563.	0.5	31
52	Effects of passivation treatments on titanium alloy with nanometric scale roughness and induced changes in fibroblast initial adhesion evaluated by a cytotatcher. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 370-383.	2.1	31
53	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
54	Fuzzy clustering of gait patterns of patients after ankle arthrodesis based on kinematic parameters. <i>Medical Engineering and Physics</i> , 2001, 23, 83-90.	0.8	30

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55	Elbow load during pushup at various forearm rotations. <i>Clinical Biomechanics</i> , 2001, 16, 408-414.	0.5	29
56	Ankle biomechanics of ballet Dancers in relevé en pointé dance. <i>Research in Sports Medicine</i> , 2005, 13, 23-35.	0.7	29
57	Complexity of the Tensegrity Structure for Dynamic Energy and Force Distribution of Cytoskeleton during Cell Spreading. <i>PLoS ONE</i> , 2010, 5, e14392.	1.1	29
58	A quantitative method to measure maximal workspace of the trapeziometacarpal joint—a normal model development. <i>Journal of Orthopaedic Research</i> , 2004, 22, 600-606.	1.2	28
59	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
60	Comparison of objective muscle strength in c5 and c7 brachial plexus injury patients after double nerve transfer. <i>Microsurgery</i> , 2015, 35, 107-114.	0.6	28
61	Cyclic Stretch Facilitates Myogenesis in C2C12 Myoblasts and Rescues Thiazolidinedione-Inhibited Myotube Formation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 27.	2.0	28
62	Video-computer quantitative evaluation of thumb function using workspace of the thumb. <i>Journal of Biomechanics</i> , 2003, 36, 937-942.	0.9	27
63	The feasibility of a video-based motion analysis system in measuring the segmental movements between upper and lower cervical spine. <i>Gait and Posture</i> , 2007, 26, 161-166.	0.6	27
64	Effects of a functional electrical stimulation-assisted leg-cycling wheelchair on reducing spasticity of patients after stroke. <i>Journal of Rehabilitation Medicine</i> , 2009, 41, 242-246.	0.8	27
65	Schwann-Cell Autophagy, Functional Recovery, and Scar Reduction After Peripheral Nerve Repair. <i>Journal of Molecular Neuroscience</i> , 2018, 64, 601-610.	1.1	27
66	The Relationships between Foot Arch Volumes and Dynamic Plantar Pressure during Midstance of Walking in Preschool Children. <i>PLoS ONE</i> , 2014, 9, e94535.	1.1	26
67	High-molecular-weight hyaluronic acid attenuated matrix metalloproteinase-1 and -3 expression via CD44 in tendinopathy. <i>Scientific Reports</i> , 2017, 7, 40840.	1.6	25
68	Functional sensibility assessment. part II: Effects of sensory improvement on precise pinch force modulation after transverse carpal tunnel release. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1534-1539.	1.2	24
69	Three-dimensional measurement of foot arch in preschool children. <i>BioMedical Engineering OnLine</i> , 2012, 11, 76.	1.3	23
70	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2011, 31, 233.	1.0	23
71	Effect of handrim diameter on manual wheelchair propulsion: Mechanical energy and power flow analysis. <i>Clinical Biomechanics</i> , 2006, 21, 107-115.	0.5	22
72	Effects of nano-surface properties on initial osteoblast adhesion and Ca/P adsorption ability for titanium alloys. <i>Nanotechnology</i> , 2008, 19, 335709.	1.3	22

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73	Jar-opening challenges. Part 1: An apparatus for assessing hand and finger torques and forces in a jar-opening activity. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 121-129.	1.0	22
74	Comparison of segmental linear and angular momentum transfers in two-handed backhand stroke stances for different skill level tennis players. Journal of Science and Medicine in Sport, 2010, 13, 452-459.	0.6	22
75	Quantitative evidence of kinematics and functional differences in different graded trigger fingers. Clinical Biomechanics, 2010, 25, 535-540.	0.5	22
76	Effects of compression-to-ventilation ratio on compression force and rescuer fatigue during cardiopulmonary resuscitation. American Journal of Emergency Medicine, 2010, 28, 1016-1023.	0.7	22
77	The Motion Analysis System and The Maximal Area of Fingertip Motion. Journal of Hand Surgery, 1996, 21, 604-608.	0.9	21
78	Potential of the Genetic Algorithm Neural Network in the Assessment of Gait Patterns in Ankle Arthrodesis. Annals of Biomedical Engineering, 2001, 29, 83-91.	1.3	21
79	Functional sensibility assessment. Part I: develop a reliable apparatus to assess momentary pinch force control. Journal of Orthopaedic Research, 2009, 27, 1116-1121.	1.2	21
80	How the Impact of Median Neuropathy on Sensorimotor Control Capability of Hands for Diabetes: An Achievable Assessment from Functional Perspectives. PLoS ONE, 2014, 9, e94452.	1.1	21
81	Jar-opening challenges. Part 2: Estimating the force-generating capacity of thumb muscles in healthy young adults during jar-opening tasks. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 577-588.	1.0	20
82	Effects of cell concentration and collagen concentration on contraction kinetics and mechanical properties in a bone marrow stromal cellâ€collagen construct. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1132-1139.	2.1	20
83	Clinical application of computerized evaluation and re-education biofeedback prototype for sensorimotor control of the hand in stroke patients. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 26.	2.4	20
84	A novel recirculating flow-perfusion bioreactor for periosteal chondrogenesis. International Orthopaedics, 2012, 36, 863-868.	0.9	20
85	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
86	Comparative study of carpal tunnel compliance in the human, dog, rabbit, and rat. Journal of Orthopaedic Research, 2010, 28, 652-656.	1.2	19
87	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
88	Development and Testing of a Virtual Reality Mirror Therapy System for the Sensorimotor Performance of Upper Extremity: A Pilot Randomized Controlled Trial. IEEE Access, 2021, 9, 14725-14734.	2.6	19
89	Differences of Ballet Turns (<i>Pirouette</i>) Performance Between Experienced and Novice Ballet Dancers. Research Quarterly for Exercise and Sport, 2014, 85, 330-340.	0.8	18
90	Electromyography of symmetrical trunk movements and trunk position sense in chronic stroke patients. Journal of Physical Therapy Science, 2015, 27, 2675-2681.	0.2	18

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91	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
92	Effect of bilateral reaching on affected arm motor control in stroke " with and without loading on unaffected arm. <i>Disability and Rehabilitation</i> , 2006, 28, 1507-1516.	0.9	17
93	Kinetic analysis of the thumb in jar-opening activity among female adults. <i>Ergonomics</i> , 2008, 51, 843-857.	1.1	17
94	Characteristics of Sonography in a Rat Achilles Tendinopathy Model: Possible Non-invasive Predictors of Biomechanics. <i>Scientific Reports</i> , 2017, 7, 5100.	1.6	17
95	Comparison of dominant hand range of motion among throwing types in baseball pitchers. <i>Human Movement Science</i> , 2013, 32, 719-729.	0.6	16
96	The Force Synergy of Human Digits in Static and Dynamic Cylindrical Grasps. <i>PLoS ONE</i> , 2013, 8, e60509.	1.1	16
97	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
98	Use of Virtual, Interactive, Musculoskeletal System (VIMS) in Modeling and Analysis of Shoulder Throwing Activity. <i>Journal of Biomechanical Engineering</i> , 2005, 127, 525-530.	0.6	15
99	Determining the Resting Position of the Glenohumeral Joint in Subjects Who Are Healthy. <i>Physical Therapy</i> , 2007, 87, 1669-1682.	1.1	15
100	Kinematical and functional improvements of trigger digits after sonographically assisted percutaneous release of the A1 pulley. <i>Journal of Orthopaedic Research</i> , 2009, 27, 891-896.	1.2	15
101	Lower-limb adaptation during squatting after isolated posterior cruciate ligament injuries. <i>Clinical Biomechanics</i> , 2010, 25, 909-913.	0.5	15
102	Effect of a Bout of Leg Cycling With Electrical Stimulation on Reduction of Hypertonia in Patients With Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2010, 91, 1731-1736.	0.5	15
103	A Comparison of Ballet Dancers With Different Level of Experience in Performing Single-Leg Stance on Retir� Position. <i>Motor Control</i> , 2014, 18, 199-212.	0.3	15
104	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
105	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2014, 34, 399.	1.0	15
106	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
107	Moment generation in wheelchair propulsion. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2003, 217, 405-414.	1.0	14
108	A kinematic method to calculate the workspace of the trapeziometacarpal joint. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2004, 218, 143-149.	1.0	14

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109	Mechanical models of the cellular cytoskeletal network for the analysis of intracellular mechanical properties and force distributions: A review. <i>Medical Engineering and Physics</i> , 2012, 34, 1375-1386.	0.8	14
110	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
111	Roboticâ€assisted therapy with bilateral practice improves task and motor performance in the upper extremities of chronic stroke patients: A randomised controlled trial. <i>Australian Occupational Therapy Journal</i> , 2019, 66, 637-647.	0.6	14
112	Exercise Preconditioning Attenuates Neurological Injury by Preserving Old and Newly Formed HSP72-Containing Neurons in Focal Brain Ischemia Rats. <i>International Journal of Medical Sciences</i> , 2019, 16, 675-685.	1.1	14
113	Complex chain of momentum transfer of body segments in the baseball pitching motion. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2003, 26, 861-868.	0.6	13
114	Comparison of chest compression kinematics associated with over-the-head and standard cardiopulmonary resuscitation. <i>American Journal of Emergency Medicine</i> , 2009, 27, 1112-1116.	0.7	13
115	Correlation of digital sensibility and precision of pinch force modulation in patients with nerve repair. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1210-1215.	1.2	13
116	Migration Patterns and Cell Functions of Adipose-Derived Stromal Cells on Self-Assembled Monolayers with Different Functional Groups. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 94-117.	1.9	13
117	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
118	Video-tactile pneumatic sensor for soft tissue elastic modulus estimation. <i>BioMedical Engineering OnLine</i> , 2017, 16, 94.	1.3	13
119	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
120	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
121	EFFECTS OF SPEED AND INCLINE ON LOWER EXTREMITY KINEMATICS DURING TREADMILL JOGGING IN HEALTHY SUBJECTS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2006, 18, 73-79.	0.3	12
122	Mechanical loading of the low back during cardiopulmonary resuscitation. <i>Resuscitation</i> , 2009, 80, 1181-1186.	1.3	12
123	Directional fluid flow enhances<i>in vitro</i> periosteal tissue growth and chondrogenesis on polyâ€caprolactone scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 156-163.	2.1	12
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	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
126	Role of Excessive Autophagy Induced by Mechanical Overload in Vein Graft Neointima Formation: Prediction and Prevention. <i>Scientific Reports</i> , 2016, 6, 22147.	1.6	12

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127	A 2-D model of wheelchair propulsion. Disability and Rehabilitation, 2003, 25, 192-196.	0.9	12
128	Flexion-Extension Rhythm in the Lumbosacral Spine. Spine, 1994, 19, 2204-2209.	1.0	11
129	Elbow Load with Various Forearm Positions During One-Handed Pushup Exercise. International Journal of Sports Medicine, 2002, 23, 457-462.	0.8	11
130	BIOMECHANICS OF WHEELCHAIR PROPULSION. Journal of Mechanics in Medicine and Biology, 2009, 09, 229-242.	0.3	11
131	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
132	Push-fast recommendation on performing CPR causes excessive chest compression rates, a manikin model. American Journal of Emergency Medicine, 2014, 32, 1455-1459.	0.7	11
133	Electromyography activity of selected trunk muscles during cardiopulmonary resuscitation. American Journal of Emergency Medicine, 2014, 32, 216-220.	0.7	11
134	Characterization of the extensor digitorum communis tendon using high-frequency ultrasound shear wave elastography. Medical Physics, 2020, 47, 1609-1618.	1.6	11
135	The Motion Analysis System and the Fingertip Motion Area. Journal of Hand Surgery, 1998, 23, 53-56.	0.9	10
136	The validity of using a video-based motion analysis system for measuring maximal area of fingertip motion and angular variation. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2002, 216, 257-263.	1.0	10
137	Effects of age and gender on the movement workspace of the trapeziometacarpal joint. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2009, 223, 133-142.	1.0	10
138	Mechanical Evaluation of the Influence of Different Suture Methods on Temporal Skin Healing. Dermatologic Surgery, 2009, 35, 1880-1885.	0.4	10
139	Prediction of applied forces in handrim wheelchair propulsion. Journal of Biomechanics, 2011, 44, 455-460.	0.9	10
140	The effects of rear-wheel camber on the kinematics of upper extremity during wheelchair propulsion. BioMedical Engineering OnLine, 2012, 11, 87.	1.3	10
141	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
142	Automatic and quantitative measurement of collagen gel contraction using model-guided segmentation. Measurement Science and Technology, 2013, 24, 085702.	1.4	10
143	Is the Control of Applied Digital Forces During Natural Five-digit Grasping Affected by Carpal Tunnel Syndrome?. Clinical Orthopaedics and Related Research, 2015, 473, 2371-2382.	0.7	10
144	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

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145	MULTIJOINT COORDINATION OF LOWER EXTREMITY IN TAI CHI EXERCISE. <i>Journal of Mechanics in Medicine and Biology</i> , 2010, 10, 479-493.	0.3	9
146	Attachment and morphology of adipose-derived stromal cells and exposure of cell-binding domains of adsorbed proteins on various self-assembled monolayers. <i>Soft Matter</i> , 2011, 7, 3808.	1.2	9
147	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
148	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
149	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
150	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
151	Intratendinous Injection of Hyaluronate Induces Acute Inflammation: A Possible Detrimental Effect. <i>PLoS ONE</i> , 2016, 11, e0155424.	1.1	9
152	Development of a three-degrees-of-freedom moveable platform for providing postural perturbations. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2009, 223, 87-97.	1.0	8
153	A Knowledge-Based Approach for Carpal Tunnel Segmentation from Magnetic Resonance Images. <i>Journal of Digital Imaging</i> , 2013, 26, 510-520.	1.6	8
154	Feasibility of a Novel Functional Sensibility Test as an Assisted Examination for Determining Precision Pinch Performance in Patients with Carpal Tunnel Syndrome. <i>PLoS ONE</i> , 2013, 8, e72064.	1.1	8
155	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
156	Influence of Ankle Injury on Muscle Activation and Postural Control During Ballet Grand Plié. <i>Journal of Applied Biomechanics</i> , 2014, 30, 37-49.	0.3	8
157	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
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