

François Hug

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

7,218
citations

46918

47
h-index

79541

73
g-index

202
all docs

202
docs citations

202
times ranked

4701
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation networks of spinal motor neurons that innervate lower limb muscles during a multi-joint isometric task. <i>Journal of Physiology</i> , 2023, 601, 3201-3219.	1.3	18
2	Regional variation in lateral and medial gastrocnemius muscle fibre lengths obtained from diffusion tensor imaging. <i>Journal of Anatomy</i> , 2022, 240, 131-144.	0.9	8
3	Strength capacity of lower-limb muscles in world-class cyclists: new insights into the limits of sprint cycling performance. <i>Sports Biomechanics</i> , 2022, , 1-18.	0.8	1
4	Less common synaptic input between muscles from the same group allows for more flexible coordination strategies during a fatiguing task. <i>Journal of Neurophysiology</i> , 2022, 127, 421-433.	0.9	27
5	Inclusion of image-based in vivo experimental data into the Hill-type muscle model affects the estimation of individual force-sharing strategies during walking. <i>Journal of Biomechanics</i> , 2022, 135, 111033.	0.9	4
6	Spatial variation in mechanical properties along the sciatic and tibial nerves: An ultrasound shear wave elastography study. <i>Journal of Biomechanics</i> , 2022, 136, 111075.	0.9	4
7	Consensus for experimental design in electromyography (CEDE) project: High-density surface electromyography matrix. <i>Journal of Electromyography and Kinesiology</i> , 2022, 64, 102656.	0.7	22
8	Influence of experience on kinematics of upper limbs during sewing gesture. <i>Applied Ergonomics</i> , 2022, 102, 103737.	1.7	1
9	Individual differences in the neural strategies to control the lateral and medial head of the quadriceps during a mechanically constrained task. <i>Journal of Applied Physiology</i> , 2021, 130, 269-281.	1.2	28
10	Shear modulus of multifidus and longissimus muscles measured using shear wave elastography correlates with muscle activity, but depends on image quality. <i>Journal of Electromyography and Kinesiology</i> , 2021, 56, 102505.	0.7	5
11	Muscles from the same muscle group do not necessarily share common drive: evidence from the human triceps surae. <i>Journal of Applied Physiology</i> , 2021, 130, 342-354.	1.2	61
12	Revealing the unique features of each individual's muscle activation signatures. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20200770.	1.5	19
13	Individual differences in the distribution of activation among the hamstring muscle heads during stiff-leg Deadlift and Nordic hamstring exercises. <i>Journal of Sports Sciences</i> , 2021, 39, 1-8.	1.0	11
14	A convolutional neural network to identify motor units from high-density surface electromyography signals in real time. <i>Journal of Neural Engineering</i> , 2021, 18, 056003.	1.8	27
15	Influence of transducer orientation on shear wave velocity measurements of the iliotibial band. <i>Journal of Biomechanics</i> , 2021, 120, 110346.	0.9	4
16	Non-uniform Effects of Nociceptive Stimulation to Motoneurons during Experimental Muscle Pain. <i>Neuroscience</i> , 2021, 463, 45-56.	1.1	5
17	Analysis of motor unit spike trains estimated from high-density surface electromyography is highly reliable across operators. <i>Journal of Electromyography and Kinesiology</i> , 2021, 58, 102548.	0.7	61
18	Does different activation between the medial and the lateral gastrocnemius during walking translate into different fascicle behavior?. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	5

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19	Exploration of shear wave elastography measures of the iliotibial band during different tasks in pain-free runners. <i>Physical Therapy in Sport</i> , 2021, 50, 121-129.	0.8	4
20	Consensus for experimental design in electromyography (CEDE) project: Terminology matrix. <i>Journal of Electromyography and Kinesiology</i> , 2021, 59, 102565.	0.7	29
21	Surface EMG cross talk quantified at the motor unit population level for muscles of the hand, thigh, and calf. <i>Journal of Applied Physiology</i> , 2021, 131, 808-820.	1.2	25
22	Age-related increase in muscle stiffness is muscle length dependent and associated with muscle force in senior females. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 829.	0.8	13
23	Quantity versus quality: Age-related differences in muscle volume, intramuscular fat, and mechanical properties in the triceps surae. <i>Experimental Gerontology</i> , 2021, 156, 111594.	1.2	19
24	Muscle architecture and shape changes in the gastrocnemii of active younger and older adults. <i>Journal of Biomechanics</i> , 2021, 129, 110823.	0.9	4
25	Quantification of elastic properties of Achille's tendon: a first step to explore muscle-tendon structures exposed to substantial injury incidence. , 2021, , .		0
26	Hamstring muscle elasticity differs in specialized high-performance athletes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 83-91.	1.3	22
27	Force-sharing within the Triceps Surae: An Achilles Heel in Achilles Tendinopathy. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1076-1087.	0.2	22
28	Age-related differences in gastrocnemii muscles and Achilles tendon mechanical properties in vivo. <i>Journal of Biomechanics</i> , 2020, 112, 110067.	0.9	32
29	Chronic effects of muscle and nerve-directed stretching on tissue mechanics. <i>Journal of Applied Physiology</i> , 2020, 129, 1011-1023.	1.2	34
30	Consensus for experimental design in electromyography (CEDE) project: Amplitude normalization matrix. <i>Journal of Electromyography and Kinesiology</i> , 2020, 53, 102438.	0.7	170
31	<p>Translation and Cultural Adaptation of PROactive Instruments for COPD in French and Influence of Weather and Pollution on Its Difficulty Score</p>. <i>International Journal of COPD</i> , 2020, Volume 15, 471-478.	0.9	4
32	Bilateral differences in hamstring coordination in previously injured elite athletes. <i>Journal of Applied Physiology</i> , 2020, 128, 688-697.	1.2	22
33	Systematic Review of Instrumented Measures of Skeletal Muscle Mechanical Properties: Evidence for the Application of Shear Wave Elastography with Children. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1831-1840.	0.7	13
34	Individuals have unique muscle activation signatures as revealed during gait and pedaling. <i>Journal of Applied Physiology</i> , 2019, 127, 1165-1174.	1.2	38
35	Consensus for experimental design in electromyography (CEDE) project: Electrode selection matrix. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 128-144.	0.7	95
36	Influence of low muscle activation levels on the ankle torque and muscle shear modulus during plantar flexor stretching. <i>Journal of Biomechanics</i> , 2019, 93, 111-117.	0.9	26

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37	Quantifying cervical and axioscapular muscle stiffness using shear wave elastography. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 94-102.	0.7	20
38	Reduced Active Muscle Stiffness after Intermittent Submaximal Isometric Contractions. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2603-2609.	0.2	17
39	Effect of toe dorsiflexion on the regional distribution of plantar fascia shear wave velocity. <i>Clinical Biomechanics</i> , 2019, 61, 11-15.	0.5	15
40	Relationship between pre-exercise muscle stiffness and muscle damage induced by eccentric exercise. <i>European Journal of Sport Science</i> , 2019, 19, 508-516.	1.4	22
41	Reorganization of muscle synergies in 2 individuals with C5 and C6 tetraplegia after biceps-triceps and posterior deltoid-triceps tendon transfers. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019, 62, 128-131.	1.1	0
42	Performance fatigability does not impact the inhibitory control. <i>Neuroscience Research</i> , 2019, 146, 48-53.	1.0	2
43	Do individual differences in the distribution of activation between synergist muscles reflect individual strategies?. <i>Experimental Brain Research</i> , 2019, 237, 625-635.	0.7	11
44	Effects of stroke injury on the shear modulus of the lower leg muscle during passive dorsiflexion. <i>Journal of Applied Physiology</i> , 2019, 126, 11-22.	1.2	33
45	Lower limb muscle activity during table tennis strokes. <i>Sports Biomechanics</i> , 2018, 17, 1-11.	0.8	15
46	Changes in Motor Coordination Induced by Local Fatigue during a Sprint Cycling Task. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1394-1404.	0.2	10
47	Passive stiffness of monoarticular lower leg muscles is influenced by knee joint angle. <i>European Journal of Applied Physiology</i> , 2018, 118, 585-593.	1.2	38
48	Stiffness of individual quadriceps muscle assessed using ultrasound shear wave elastography during passive stretching. <i>Journal of Sport and Health Science</i> , 2018, 7, 245-249.	3.3	52
49	Female striated urogenital sphincter contraction measured by shear wave elastography during pelvic floor muscle activation: Proof of concept and validation. <i>Neurourology and Urodynamics</i> , 2018, 37, 206-212.	0.8	24
50	Cryotherapy induces an increase in muscle stiffness. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 260-266.	1.3	34
51	Hip abductor muscle activity during walking in individuals with gluteal tendinopathy. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 686-695.	1.3	28
52	Achilles and patellar tendinopathy display opposite changes in elastic properties: A shear wave elastography study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1201-1208.	1.3	89
53	Response to considerations on Achilles tendinopathy and patellar tendinopathy display opposite changes in elastic properties. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1471-1472.	1.3	0
54	Heterogeneity of passive elastic properties within the quadriceps femoris muscle-tendon unit. <i>European Journal of Applied Physiology</i> , 2018, 118, 213-221.	1.2	18

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55	Between-muscle differences in coactivation assessed using elastography. Journal of Electromyography and Kinesiology, 2018, 43, 88-94.	0.7	12
56	The potential role of sciatic nerve stiffness in the limitation of maximal ankle range of motion. Scientific Reports, 2018, 8, 14532.	1.6	34
57	Functional behaviour of spinal muscles after training with an exercise device developed to recruit and train postural muscles. Gait and Posture, 2018, 66, 189-193.	0.6	2
58	Neuromechanical coupling within the human triceps surae and its consequence on individual force sharing strategies. Journal of Experimental Biology, 2018, 221, .	0.8	38
59	Patterns of upper limb muscle activation in children with unilateral spastic cerebral palsy: Variability and detection of deviations. Clinical Biomechanics, 2018, 59, 85-93.	0.5	7
60	Shear-wave velocity of the patellar tendon and quadriceps muscle is increased immediately after maximal eccentric exercise. European Journal of Applied Physiology, 2018, 118, 1715-1724.	1.2	21
61	Coordination of hamstrings is individual specific and is related to motor performance. Journal of Applied Physiology, 2018, 125, 1069-1079.	1.2	31
62	Do insertional and mid-portion Achilles tendinopathy display different material properties?. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 2247-2248.	1.3	0
63	Surface Electromyography to Study Muscle Coordination. , 2018, , 451-470.		3
64	French translation and validation of the C- and D-PPAC PROactive questionnaires to measure physical activity in patients with chronic obstructive pulmonary disease.. , 2018, , .		0
65	Effects of Duchenne muscular dystrophy on muscle stiffness and response to electrically-induced muscle contraction: A 12-month follow-up. Neuromuscular Disorders, 2017, 27, 214-220.	0.3	37
66	Stiffness mapping of lower leg muscles during passive dorsiflexion. Journal of Anatomy, 2017, 230, 639-650.	0.9	82
67	Non-Muscular Structures Can Limit the Maximal Joint Range of Motion during Stretching. Sports Medicine, 2017, 47, 1925-1929.	3.1	43
68	Shear wave elastography reveals different degrees of passive and active stiffness of the neck extensor muscles. European Journal of Applied Physiology, 2017, 117, 171-178.	1.2	50
69	Quantifying tendon elasticity in healthy and diseased tendon using shearwave elastography: A systematic review. Journal of Science and Medicine in Sport, 2017, 20, e114.	0.6	0
70	Motor adaptations to unilateral quadriceps fatigue during a bilateral pedaling task. Scandinavian Journal of Medicine and Science in Sports, 2017, 27, 1724-1738.	1.3	6
71	The nervous system does not compensate for an acute change in the balance of passive force between synergist muscles. Journal of Experimental Biology, 2017, 220, 3455-3463.	0.8	7
72	Early detection of exercise-induced muscle damage using elastography. European Journal of Applied Physiology, 2017, 117, 2047-2056.	1.2	50

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73	Muscle Coordination and the Development of Musculoskeletal Disorders. Exercise and Sport Sciences Reviews, 2017, 45, 201-208.	1.6	41
74	Motor adaptations to local muscle pain during a bilateral cyclic task. Experimental Brain Research, 2017, 235, 607-614.	0.7	9
75	Application of shear wave elastography to estimate the stiffness of the male striated urethral sphincter during voluntary contractions. BJU International, 2017, 119, 619-625.	1.3	13
76	Influence of Isoinertial-Pneumatic Mixed Resistances on Force-Velocity Relationship. International Journal of Sports Physiology and Performance, 2017, 12, 385-392.	1.1	6
77	Are muscle weakness and falls status really correlated in physically active women?1. Isokinetics and Exercise Science, 2017, 25, 223-224.	0.2	0
78	Motor Adaptations to Pain during a Bilateral Plantarflexion Task: Does the Cost of Using the Non-Painful Limb Matter?. PLoS ONE, 2016, 11, e0154524.	1.1	8
79	Effect of damaging exercise on electromechanical delay. Muscle and Nerve, 2016, 54, 136-141.	1.0	4
80	Is synergistic organisation of muscle coordination altered in people with lateral epicondylalgia? A case-control study. Clinical Biomechanics, 2016, 35, 124-131.	0.5	19
81	The effects of acute experimental hip muscle pain on dynamic single-limb balance performance in healthy middle-aged adults. Gait and Posture, 2016, 50, 201-206.	0.6	5
82	Adaptations du mouvement à la douleur: objectifs et conséquences. Kinesithérapie, 2016, 16, 2-9.	0.0	0
83	Muscle coordination during breaststroke swimming: Comparison between elite swimmers and beginners. Journal of Sports Sciences, 2016, 34, 1941-1948.	1.0	36
84	In vivo quantification of the shear modulus of the human Achilles tendon during passive loading using shear wave dispersion analysis. Physics in Medicine and Biology, 2016, 61, 2485-2496.	1.6	64
85	Reliability of Abdominal Muscle Stiffness Measured Using Elastography during Trunk Rehabilitation Exercises. Ultrasound in Medicine and Biology, 2016, 42, 1018-1025.	0.7	55
86	Quantification of muscle co-contraction using supersonic shear wave imaging. Journal of Biomechanics, 2016, 49, 493-495.	0.9	26
87	Non-invasive assessment of sciatic nerve stiffness during human ankle motion using ultrasound shear wave elastography. Journal of Biomechanics, 2016, 49, 326-331.	0.9	53
88	Surface Electromyography to Study Muscle Coordination. , 2016, , 1-21.		7
89	Altered force-generating capacity is well-perceived regardless of the pain presence.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1363-1371.	0.7	1
90	Increased Upper Trapezius Muscle Stiffness in Overhead Athletes with Rotator Cuff Tendinopathy. PLoS ONE, 2016, 11, e0155187.	1.1	35

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91	Reduced Maximal Force during Acute Anterior Knee Pain Is Associated with Deficits in Voluntary Muscle Activation. PLoS ONE, 2016, 11, e0161487.	1.1	19
92	A study of the immediate effects of glycerine-filled insoles, contoured prefabricated orthoses and flat insoles on single-leg balance, gait patterns and perceived comfort in healthy adults. Journal of Foot and Ankle Research, 2015, 8, 47.	0.7	6
93	Elastography for Muscle Biomechanics. Exercise and Sport Sciences Reviews, 2015, 43, 125-133.	1.6	233
94	Non-invasive assessment of muscle stiffness in patients with duchenne muscular dystrophy. Muscle and Nerve, 2015, 51, 284-286.	1.0	87
95	Factors that influence muscle shear modulus during passive stretch. Journal of Biomechanics, 2015, 48, 3539-3542.	0.9	44
96	Muscle shear elastic modulus is linearly related to muscle torque over the entire range of isometric contraction intensity. Journal of Electromyography and Kinesiology, 2015, 25, 703-708.	0.7	118
97	Muscle Force Cannot Be Directly Inferred From Muscle Activation: Illustrated by the Proposed Imbalance of Force Between the Vastus Medialis and Vastus Lateralis in People With Patellofemoral Pain. Journal of Orthopaedic and Sports Physical Therapy, 2015, 45, 360-365.	1.7	50
98	Acute experimental hip muscle pain alters single-leg squat balance in healthy young adults. Gait and Posture, 2015, 41, 871-876.	0.6	11
99	Effects of noxious stimulation to the back or calf muscles on gait stability. Journal of Biomechanics, 2015, 48, 4109-4115.	0.9	15
100	Nature of the coupling between neural drive and force-generating capacity in the human quadriceps muscle. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151908.	1.2	35
101	Massage induces an immediate, albeit short-term, reduction in muscle stiffness. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, e490-6.	1.3	67
102	Effect of acute noxious stimulation to the leg or back on muscle synergies during walking. Journal of Neurophysiology, 2015, 113, 244-254.	0.9	59
103	Effect of vastus lateralis fatigue on load sharing between quadriceps femoris muscles during isometric knee extensions. Journal of Neurophysiology, 2014, 111, 768-776.	0.9	67
104	New insights on contraction efficiency in patients with Duchenne muscular dystrophy. Journal of Applied Physiology, 2014, 117, 658-662.	1.2	19
105	Does Stress within a Muscle Change in Response to an Acute Noxious Stimulus?. PLoS ONE, 2014, 9, e91899.	1.1	17
106	Deloading Tape Reduces Muscle Stress at Rest and during Contraction. Medicine and Science in Sports and Exercise, 2014, 46, 2317-2325.	0.2	21
107	Time-course effect of exercise-induced muscle damage on localized muscle mechanical properties assessed using elastography. Acta Physiologica, 2014, 211, 135-146.	1.8	115
108	Influence of Experimental Pain on the Perception of Action Capabilities and Performance of a Maximal Single-Leg Hop. Journal of Pain, 2014, 15, 271.e1-271.e7.	0.7	14

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109	Between-muscle differences in the adaptation to experimental pain. <i>Journal of Applied Physiology</i> , 2014, 117, 1132-1140.	1.2	23
110	Insight into motor adaptation to pain from between-leg compensation. <i>European Journal of Applied Physiology</i> , 2014, 114, 1057-1065.	1.2	18
111	Task dependency of motor adaptations to an acute noxious stimulation. <i>Journal of Neurophysiology</i> , 2014, 111, 2298-2306.	0.9	24
112	Analgesic effects of dyspnoea: "Air hunger" does not inhibit the spinal nociception reflex in humans. <i>Respiratory Physiology and Neurobiology</i> , 2014, 190, 81-85.	0.7	6
113	Dyspnea and surface inspiratory electromyograms in mechanically ventilated patients. <i>Intensive Care Medicine</i> , 2013, 39, 1368-1376.	3.9	61
114	Fatiguing handgrip exercise alters maximal force-generating capacity of plantar-flexors. <i>European Journal of Applied Physiology</i> , 2013, 113, 559-566.	1.2	43
115	Effect of pain location on spatial reorganisation of muscle activity. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 1413-1420.	0.7	27
116	Influence of stimulus intensity on electromechanical delay and its mechanisms. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 51-55.	0.7	23
117	Slack length of gastrocnemius medialis and Achilles tendon occurs at different ankle angles. <i>Journal of Biomechanics</i> , 2013, 46, 2534-2538.	0.9	122
118	Effect of Ramadan intermittent fasting on body composition and neuromuscular performance in young athletes: a pilot study. <i>Biological Rhythm Research</i> , 2013, 44, 697-709.	0.4	11
119	Effects of Air-Pulsed Cryotherapy on Neuromuscular Recovery Subsequent to Exercise-Induced Muscle Damage. <i>American Journal of Sports Medicine</i> , 2013, 41, 1942-1951.	1.9	38
120	Influence of Passive Muscle Tension on Electromechanical Delay in Humans. <i>PLoS ONE</i> , 2013, 8, e53159.	1.1	56
121	Altered muscle coordination when pedaling with independent cranks. <i>Frontiers in Physiology</i> , 2013, 4, 232.	1.3	8
122	Time of Day Effects on Repeated Sprint Ability. <i>International Journal of Sports Medicine</i> , 2012, 33, 975-980.	0.8	57
123	Shear elastic modulus can be used to estimate an index of individual muscle force during a submaximal isometric fatiguing contraction. <i>Journal of Applied Physiology</i> , 2012, 113, 1353-1361.	1.2	86
124	Analyse des sollicitations musculaires via la technique d'ultrasonographie à ondes de cisaillement supersonique. <i>Movement and Sports Sciences - Science Et Motricite</i> , 2012, , 39-47.	0.2	0
125	Adjustment of Muscle Coordination during an All-Out Sprint Cycling Task. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 2154-2164.	0.2	52
126	Effect of heavy isokinetic intermittent exercise on acute neuromuscular fatigue in knee extensors. <i>Isokinetics and Exercise Science</i> , 2012, 20, 121-128.	0.2	2

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127	Supersonic shear imaging provides a reliable measurement of resting muscle shear elastic modulus. <i>Physiological Measurement</i> , 2012, 33, N19-N28.	1.2	199
128	Catapult effect in pole vaulting: Is muscle coordination determinant?. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 145-152.	0.7	13
129	Characterization of passive elastic properties of the human medial gastrocnemius muscle belly using supersonic shear imaging. <i>Journal of Biomechanics</i> , 2012, 45, 978-984.	0.9	217
130	Evidence of changes in load sharing during isometric elbow flexion with ramped torque. <i>Journal of Biomechanics</i> , 2012, 45, 1424-1429.	0.9	54
131	Smoothing of electromyographic signals can influence the number of extracted muscle synergies. <i>Clinical Neurophysiology</i> , 2012, 123, 1895-1896.	0.7	43
132	Between-subject variability of muscle synergies during a complex motor skill. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 99.	1.2	104
133	Prediction of time to exhaustion in the first dorsal interosseous muscle from early changes in surface electromyography parameters. <i>Muscle and Nerve</i> , 2012, 45, 835-840.	1.0	6
134	Surface electromyogram of inspiratory muscles: a possible routine monitoring tool in the intensive care unit. <i>British Journal of Anaesthesia</i> , 2011, 106, 913-914.	1.5	13
135	Can muscle coordination be precisely studied by surface electromyography?. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 1-12.	0.7	239
136	The electromyographic fatigue threshold is not a valid tool to assess muscle function. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 229-235.	0.7	7
137	Neuromuscular fatigue induced by alternating isometric contractions of the ankle plantar and dorsiflexors. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 471-477.	0.7	18
138	No evidence of expertise-related changes in muscle synergies during rowing. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 1030-1040.	0.7	54
139	Reciprocal aiming precision and central adaptations as a function of mechanical constraints. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 968-973.	0.7	2
140	Estimation of Individual Muscle Force Using Elastography. <i>PLoS ONE</i> , 2011, 6, e29261.	1.1	136
141	Comparison of Recovery Strategies on Maximal Force-Generating Capacity and Electromyographic Activity Level of the Knee Extensor Muscles. <i>Journal of Athletic Training</i> , 2011, 46, 386-394.	0.9	6
142	Surface EMG to assess and quantify upper airway dilators activity during non-invasive ventilation. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 341-345.	0.7	14
143	Effect of power output on muscle coordination during rowing. <i>European Journal of Applied Physiology</i> , 2011, 111, 3017-3029.	1.2	49
144	Electromechanical delay in biceps brachii assessed by ultrafast ultrasonography. <i>Muscle and Nerve</i> , 2011, 43, 441-443.	1.0	35

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145	Electromechanical delay measured during a voluntary contraction should be interpreted with caution. <i>Muscle and Nerve</i> , 2011, 44, 838-838.	1.0	29
146	Diurnal Variation in Wingate-Test Performance and Associated Electromyographic Parameters. <i>Chronobiology International</i> , 2011, 28, 706-713.	0.9	92
147	Consistency of muscle synergies during pedaling across different mechanical constraints. <i>Journal of Neurophysiology</i> , 2011, 106, 91-103.	0.9	155
148	Fatigue-related adaptations in muscle coordination during a cyclic exercise in humans. <i>Journal of Experimental Biology</i> , 2011, 214, 3305-3314.	0.8	50
149	Thigh Muscle Activities in Elite Rowers During On-Water Rowing. <i>International Journal of Sports Medicine</i> , 2011, 32, 109-116.	0.8	26
150	IS THE EMG FATIGUE THRESHOLD A VALID TOOL TO ASSESS MUSCLE FUNCTION?. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 629.	0.2	4
151	Muscle shear elastic modulus measured using supersonic shear imaging is highly related to muscle activity level. <i>Journal of Applied Physiology</i> , 2010, 108, 1389-1394.	1.2	210
152	Simplified recording technique for the identification of inspiratory premotor potentials in humans. <i>Respiratory Physiology and Neurobiology</i> , 2010, 171, 67-70.	0.7	10
153	Effect of Repetitive Biphasic Muscle Electrostimulation Training on Vertical Jump Performances in Female Volleyball Players. <i>International Journal of Sport and Health Science</i> , 2010, 8, 50-55.	0.0	7
154	Force-Velocity Relationship in Cycling Revisited. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1174-1183.	0.2	73
155	Recognition of muscle functional organisation in rowing by synergy identification. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2010, 13, 141-142.	0.9	2
156	Is interindividual variability of EMG patterns in trained cyclists related to different muscle synergies?. <i>Journal of Applied Physiology</i> , 2010, 108, 1727-1736.	1.2	157
157	Influence of different racing positions on mechanical and electromyographic patterns during pedalling. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2009, 19, 44-54.	1.3	64
158	Electromechanical delay revisited using very high frame rate ultrasound. <i>Journal of Applied Physiology</i> , 2009, 106, 1970-1975.	1.2	121
159	Effects of a prior short simulated training session on the subsequent occurrence of ventilatory thresholds. <i>Journal of Science and Medicine in Sport</i> , 2009, 12, 273-279.	0.6	2
160	Can the electromyographic fatigue threshold be determined from superficial elbow flexor muscles during an isometric single-joint task?. <i>European Journal of Applied Physiology</i> , 2009, 107, 193-201.	1.2	12
161	A Novel Method for Measuring Electromechanical Delay on the Vastus Medialis Obliquus and Vastus Lateralis. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 878.	0.7	3
162	Electromyographic analysis of pedaling: A review. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 182-198.	0.7	241

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