

Yasuo Kawakami

List of Publications by Year in descending order

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Version: 2024-02-01

229
papers

10,778
citations

34105

52
h-index

37204

96
g-index

236
all docs

236
docs citations

236
times ranked

6023
citing authors

#	ARTICLE	IF	CITATIONS
1	Determinants of whole-body maximal aerobic performance in young male and female athletes: The roles of lower extremity muscle size, strength and power. PLoS ONE, 2022, 17, e0262507.	2.5	2
2	Human plantar fascial dimensions and shear wave velocity change in vivo as a function of ankle and metatarsophalangeal joint positions. Journal of Applied Physiology, 2021, 130, 390-399.	2.5	7
3	Positional difference of malleoli-midpoint from three-dimensional geometric centre of rotation of ankle and its effect on ankle joint kinetics. Gait and Posture, 2021, 83, 223-229.	1.4	4
4	Minute oscillation stretching: A novel modality for reducing musculo-tendinous stiffness and maintaining muscle strength. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 104-114.	2.9	4
5	Track distance runners exhibit bilateral differences in the plantar fascia stiffness. Scientific Reports, 2021, 11, 9260.	3.3	9
6	Hamstrings load bearing in different contraction types and intensities: A shear-wave and B-mode ultrasonographic study. PLoS ONE, 2021, 16, e0251939.	2.5	12
7	Inhomogeneous and anisotropic mechanical properties of the triceps surae muscles and aponeuroses in vivo during submaximal muscle contraction. Journal of Biomechanics, 2021, 121, 110396.	2.1	7
8	Investigation of the association between human fascia lata thickness and its neighboring tissues' morphology and function using B-mode ultrasonography. Journal of Anatomy, 2021, 239, 1114-1122.	1.5	3
9	Inhomogeneous and Anisotropic Mechanical Properties of the Triceps Surae Aponeuroses in Older Adults: Relationships With Muscle Strength and Walking Performance. Journal of Aging and Physical Activity, 2021, 29, 642-650.	1.0	0
10	An acute eccentric exercise increases circulating myomesin 3 fragments. Journal of Physiological Sciences, 2021, 71, 4.	2.1	2
11	Investigation of Parallel Connection Circuit by Hydraulic Direct-Drive System for Biped Humanoid Robot Focusing on Human Running Motion. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2021, , 34-42.	0.6	1
12	Effect of shod and barefoot running on muscle mechanical properties. Journal of Sports Medicine and Physical Fitness, 2021, , .	0.7	0
13	Characteristics of inhomogeneous lower extremity growth and development in early childhood: a cross-sectional study. BMC Pediatrics, 2021, 21, 552.	1.7	2
14	Site dependent elastic property of human iliotibial band and the effect of hip and knee joint angle configuration. Journal of Biomechanics, 2020, 109, 109919.	2.1	11
15	Acute effects of long-distance running on mechanical and morphological properties of the human plantar fascia. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1360-1368.	2.9	13
16	Jumping Motion Generation for Humanoid Robot Using Arm Swing Effectively and Changing in Foot Contact Status. , 2020, , .		3
17	Design and Evaluation of a Training system to Increase Knee Extension Load During Walking. , 2019, , .		2
18	Site- and sex-differences in morphological and mechanical properties of the plantar fascia: A supersonic shear imaging study. Journal of Biomechanics, 2019, 85, 198-203.	2.1	29

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19	Walking and finger tapping can be done with independent rhythms. <i>Scientific Reports</i> , 2019, 9, 7620.	3.3	11
20	Morphological and mechanical properties of the human triceps surae aponeuroses taken from elderly cadavers: Implications for muscle-tendon interactions. <i>PLoS ONE</i> , 2019, 14, e0211485.	2.5	17
21	Dependence of muscle and deep fascia stiffness on the contraction levels of the quadriceps: An in vivo supersonic shear-imaging study. <i>Journal of Electromyography and Kinesiology</i> , 2019, 45, 33-40.	1.7	34
22	Robotic Ankle Mechanism Capable of Kicking While Jumping and Running and Adaptable to Change in Running Speed. , 2019, , .		3
23	Effects of Instrument-assisted Soft Tissue Mobilization on Musculoskeletal Properties. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2166-2172.	0.4	37
24	Stretching Combined with Repetitive Small Length Changes of the Plantar Flexors Enhances Their Passive Extensibility while Not Compromising Strength. <i>Journal of Sports Science and Medicine</i> , 2019, 18, 58-64.	1.6	3
25	Neuromuscular Adaptations to Work-matched Maximal Eccentric versus Concentric Training. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1629-1640.	0.4	28
26	Localization of muscle damage within the quadriceps femoris induced by different types of eccentric exercises. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 95-106.	2.9	37
27	Unstable rocker shoes promote recovery from marathon-induced muscle damage in novice runners. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 621-629.	2.9	14
28	A cross-sectional study on the mechanical properties of the Achilles tendon with growth. <i>European Journal of Applied Physiology</i> , 2018, 118, 185-194.	2.5	12
29	Thigh and Psoas Major Muscularity and Its Relation to Running Mechanics in Sprinters. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2085-2091.	0.4	40
30	Jumping Motion Generation of a Humanoid Robot Utilizing Human-Like Joint Elasticity. , 2018, , .		4
31	Knee extensor muscular activity estimation during different walking patterns: flat normal and brisk walking, stair climbing. , 2018, 2018, 1554-1557.		0
32	Trunk motion control during the flight phase while hopping considering angular momentum of a humanoid. <i>Advanced Robotics</i> , 2018, 32, 1197-1206.	1.8	3
33	Intracellular-to-total water ratio explains the variability of muscle strength dependence on the size of the lower leg in the elderly. <i>Experimental Gerontology</i> , 2018, 113, 120-127.	2.8	19
34	Riding posture affects quadriceps femoris oxygenation during an incremental cycle exercise in cycle-based athletes. <i>Physiological Reports</i> , 2018, 6, e13832.	1.7	3
35	Single-joint eccentric knee extension training preferentially trains the rectus femoris within the quadriceps muscles. <i>Translational Sports Medicine</i> , 2018, 1, 212-220.	1.1	4
36	Site specificity of mechanical and structural properties of human fascia lata and their gender differences: A cadaveric study. <i>Journal of Biomechanics</i> , 2018, 77, 69-75.	2.1	38

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37	Upper-Body Control and Mechanism of Humanoids to Compensate for Angular Momentum in the Yaw Direction Based on Human Running. Applied Sciences (Switzerland), 2018, 8, 44.	2.5	17
38	Tissue elasticity of <i>in vivo</i> skeletal muscles measured in the transverse and longitudinal planes using shear wave elastography. Clinical Physiology and Functional Imaging, 2017, 37, 394-399.	1.2	36
39	Inter- and intramuscular differences in training-induced hypertrophy of the quadriceps femoris: association with muscle activation during the first training session. Clinical Physiology and Functional Imaging, 2017, 37, 405-412.	1.2	29
40	Effect of hip joint angle on concentric knee extension torque. Journal of Electromyography and Kinesiology, 2017, 37, 141-146.	1.7	17
41	Reliability of stride length estimation in self-pace and brisk walking with an inertial measurement unit on shank. , 2017, , .		0
42	Angular momentum compensation in yaw direction using upper body based on human running. , 2017, , .		5
43	Localization of damage in the human leg muscles induced by downhill running. Scientific Reports, 2017, 7, 5769.	3.3	26
44	Anatomical cross-sectional area of the quadriceps femoris and sit-to-stand test score in middle-aged and elderly population: development of a predictive equation. Journal of Physiological Anthropology, 2017, 36, 3.	2.6	8
45	Validity of segmental bioelectrical impedance analysis for estimating fat-free mass in children including overweight individuals. Applied Physiology, Nutrition and Metabolism, 2017, 42, 157-165.	1.9	4
46	Plyometric Training Favors Optimizing Muscle-Tendon Behavior during Depth Jumping. Frontiers in Physiology, 2017, 8, 16.	2.8	54
47	Body mass-to-waist ratio strongly correlates with skeletal muscle volume in children. PLoS ONE, 2017, 12, e0177155.	2.5	8
48	Detection of titin fragments in urine in response to exercise-induced muscle damage. PLoS ONE, 2017, 12, e0181623.	2.5	42
49	Effect of knee alignment on the quadriceps femoris muscularity: Cross-sectional comparison of trained versus untrained individuals in both sexes. PLoS ONE, 2017, 12, e0183148.	2.5	9
50	Joint Mechanism That Mimics Elastic Characteristics in Human Running. Machines, 2016, 4, 5.	2.2	12
51	Training-induced changes in architecture of human skeletal muscles: Current evidence and unresolved issues. The Journal of Physical Fitness and Sports Medicine, 2016, 5, 37-46.	0.3	30
52	Joint Mechanism Coping with Both of Active Pushing-off and Joint Stiffness Based on Human. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2016, , 243-250.	0.6	0
53	Unique activation of the quadriceps femoris during single- and multi-joint exercises. European Journal of Applied Physiology, 2016, 116, 1031-1041.	2.5	45
54	Validity of muscle thickness-based prediction equation for quadriceps femoris volume in middle-aged and older men and women. European Journal of Applied Physiology, 2016, 116, 2125-2133.	2.5	19

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55	Unique muscularity in cyclists' thigh and trunk: A cross-sectional and longitudinal study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 782-793.	2.9	31
56	Influence of Muscle Hypertrophy on the Moment Arm of the Triceps Brachii Muscle. <i>Journal of Applied Biomechanics</i> , 2015, 31, 111-116.	0.8	11
57	Running with lower-body robot that mimics joint stiffness of humans. , 2015, , .		4
58	Determination of Contraction-Induced Changes in Elbow Flexor Cross-Sectional Area for Evaluating Muscle Size-Strength Relationship During Contraction. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 1741-1747.	2.1	8
59	Utilization of Human-Like Pelvic Rotation for Running Robot. <i>Frontiers in Robotics and AI</i> , 2015, 2, .	3.2	11
60	Knee joint mechanism that mimics elastic characteristics and bending in human running. , 2015, , .		8
61	Hip rotation angle is associated with frontal plane knee joint mechanics during running. <i>Gait and Posture</i> , 2015, 41, 557-561.	1.4	11
62	No Graduated Pressure Profile in Compression Stockings Still Reduces Muscle Fatigue. <i>International Journal of Sports Medicine</i> , 2015, 36, 220-225.	1.7	11
63	Effect of exercise-induced muscle damage on muscle hardness evaluated by ultrasound real-time tissue elastography. <i>SpringerPlus</i> , 2015, 4, 308.	1.2	42
64	Increase in vastus lateralis aponeurosis width induced by resistance training: implications for a hypertrophic model of pennate muscle. <i>European Journal of Applied Physiology</i> , 2015, 115, 309-316.	2.5	25
65	Can a High-Intensity Contraction Be Enhanced by a Conditioning Contraction? Insight from the Relationship Between Shortening Velocity of Muscle Fibers and Postactivation Potentiation. , 2015, , 199-211.		0
66	Running model and hopping robot using pelvic movement and leg elasticity. , 2014, , .		2
67	Leg with rotational joint that mimics elastic characteristics of human leg in running stance phase. , 2014, , .		4
68	Gender differences in hip and ankle joint kinematics on knee abduction during running. <i>European Journal of Sport Science</i> , 2014, 14, S302-9.	2.7	41
69	Inferior Muscularity of the Rectus Femoris to Vasti in Varsity Oarsmen. <i>International Journal of Sports Medicine</i> , 2014, 35, 293-297.	1.7	15
70	Influence of the Intensity of Squat Exercises on the Subsequent Jump Performance. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 2236-2243.	2.1	42
71	Effect of Pressure Intensity of Compression Short-Tight on Fatigue of Thigh Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2168-2174.	0.4	25
72	Applicability of ultrasound muscle thickness measurements for predicting fat-free mass in elderly population. <i>Journal of Nutrition, Health and Aging</i> , 2014, 18, 579-585.	3.3	64

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73	The contraction-induced increase in Achilles tendon moment arm: A three-dimensional study. <i>Journal of Biomechanics</i> , 2014, 47, 3226-3231.	2.1	13
74	Effect of conditioning contraction intensity on postactivation potentiation is muscle dependent. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 240-245.	1.7	20
75	Association Between Contraction-Induced Increases in Elbow Flexor Muscle Thickness and Distal Biceps Brachii Tendon Moment Arm Depends on the Muscle Thickness Measurement Site. <i>Journal of Applied Biomechanics</i> , 2014, 30, 134-139.	0.8	6
76	Hopping Robot Using Pelvic Movement and Leg Elasticity. <i>Mechanisms and Machine Science</i> , 2014, , 235-243.	0.5	1
77	Evaluation of serum leaking enzymes and investigation into new biomarkers for exercise-induced muscle damage. <i>Exercise Immunology Review</i> , 2014, 20, 39-54.	0.4	40
78	<i>In vivo</i> measurement of human rectus femoris architecture by ultrasonography: validity and applicability. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 267-273.	1.2	50
79	Potentiation of isokinetic torque is velocity-dependent following an isometric conditioning contraction. <i>SpringerPlus</i> , 2013, 2, 554.	1.2	14
80	Validity of ultrasound muscle thickness measurements for predicting leg skeletal muscle mass in healthy Japanese middle-aged and older individuals. <i>Journal of Physiological Anthropology</i> , 2013, 32, 12.	2.6	43
81	Nonuniform muscle oxygenation despite uniform neuromuscular activity within the vastus lateralis during fatiguing heavy resistance exercise. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 463-469.	1.2	23
82	Inhomogeneous architectural changes of the quadriceps femoris induced by resistance training. <i>European Journal of Applied Physiology</i> , 2013, 113, 2691-2703.	2.5	121
83	Nonuniform Muscle Hypertrophy. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 2158-2165.	0.4	112
84	The activation time-course of contractile elements estimated from <i>in vivo</i> fascicle behaviours during twitch contractions. <i>Journal of Sports Sciences</i> , 2013, 31, 1233-1241.	2.0	2
85	Relationship Between Muscle Architecture and Joint Performance During Concentric Contractions in Humans. <i>Journal of Applied Biomechanics</i> , 2013, 29, 405-412.	0.8	22
86	Further Potentiation of Dynamic Muscle Strength after Resistance Training. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1323-1330.	0.4	14
87	Morphological and mechanical properties of the Achilles tendon in adolescent boys. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2013, 62, 303-313.	0.0	3
88	VALIDITY OF THREE-DIMENSIONAL PHOTONIC SCANNING TECHNIQUE FOR ESTIMATING PERCENT BODY FAT. <i>Journal of Frailty & Aging, the</i> , 2013, 2, 1-6.	1.3	1
89	Eccentric exercise-induced delayed-onset muscle soreness and changes in markers of muscle damage and inflammation. <i>Exercise Immunology Review</i> , 2013, 19, 72-85.	0.4	96
90	Neural Modulation of Muscle-Tendon Control Strategy after a Single Practice Session. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1512-1518.	0.4	16

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91	Potential of Maximal Voluntary Concentric Torque in Human Quadriceps Femoris. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1738-1746.	0.4	17
92	In Vivo Measurements of Moment Arm Lengths of Three Elbow Flexors at Rest and During Isometric Contractions. <i>Journal of Applied Biomechanics</i> , 2012, 28, 63-69.	0.8	12
93	In vivo determination of the Achilles tendon moment arm in three-dimensions. <i>Journal of Biomechanics</i> , 2012, 45, 409-413.	2.1	40
94	Influence of the intensity of a conditioning contraction on the subsequent twitch torque and maximal voluntary concentric torque. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 560-565.	1.7	12
95	Morphological and functional characteristics of the muscle-tendon unit. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2012, 1, 287-296.	0.3	5
96	Comparison of skeletal muscle mass to fat-free mass ratios among different ethnic groups. <i>Journal of Nutrition, Health and Aging</i> , 2012, 16, 534-538.	3.3	21
97	Twitch potentiation after voluntary contraction and neuromuscular electrical stimulation at various frequencies in human quadriceps femoris. <i>Muscle and Nerve</i> , 2012, 45, 110-115.	2.2	13
98	Fascicle-tendon behavior of the gastrocnemius and soleus muscles during ankle bending exercise at different movement frequencies. <i>European Journal of Applied Physiology</i> , 2012, 112, 887-898.	2.5	18
99	Association between regional differences in muscle activation in one session of resistance exercise and in muscle hypertrophy after resistance training. <i>European Journal of Applied Physiology</i> , 2012, 112, 1569-1576.	2.5	89
100	Task-Dependent Inhomogeneous Muscle Activities within the Bi-Articular Human Rectus Femoris Muscle. <i>PLoS ONE</i> , 2012, 7, e34269.	2.5	31
101	Triceps surae muscle-tendon unit length changes as a function of ankle joint angles and contraction levels: The effect of foot arch deformation. <i>Journal of Biomechanics</i> , 2011, 44, 2579-2583.	2.1	31
102	Effect of pressure intensity of graduated elastic compression stocking on muscle fatigue following calf-raise exercise. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 249-254.	1.7	51
103	Methodological Issues Related to Thickness-Based Muscle Size Evaluation. <i>Journal of Physiological Anthropology</i> , 2011, 30, 169-174.	2.6	6
104	Effect of Postactivation Potentiation on the Maximal Voluntary Isokinetic Concentric Torque in Humans. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 186-192.	2.1	40
105	Longitudinal and transverse deformation of human Achilles tendon induced by isometric plantar flexion at different intensities. <i>Journal of Applied Physiology</i> , 2011, 110, 1615-1621.	2.5	47
106	Comparison of ultrasound-measured age-related, site-specific muscle loss between healthy Japanese and German men. <i>Clinical Physiology and Functional Imaging</i> , 2011, 31, 320-325.	1.2	41
107	Unique spatial distribution of <i>in vivo</i> human muscle activation. <i>Experimental Physiology</i> , 2011, 96, 938-948.	2.0	25
108	Twitch potentiation induced by stimulated and voluntary isometric contractions at various torque levels in human knee extensor muscles. <i>Muscle and Nerve</i> , 2011, 43, 360-366.	2.2	13

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109	Effect of muscle contraction levels on the force-length relationship of the human Achilles tendon during lengthening of the triceps surae muscle-tendon unit. <i>Journal of Biomechanics</i> , 2011, 44, 2168-2171.	2.1	17
110	Comparison of Age-Related, Site-Specific Muscle Loss Between Young and Old Active and Inactive Japanese Women. <i>Journal of Geriatric Physical Therapy</i> , 2011, 34, 168-173.	1.1	26
111	Ultrasound Method for Estimating the Cross-Sectional Area of the Psoas Major Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 2000-2004.	0.4	32
112	Size-strength relationships of the elbow flexors and extensors are not affected by age or gender. <i>European Journal of Sport Science</i> , 2011, 11, 277-282.	2.7	6
113	DEVELOPMENT OF EQUATIONS FOR PREDICTING BODY SURFACE AREA IN CHILDREN BY THE USE OF THREE-DIMENSIONAL PHOTONIC IMAGE SCANNING. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2011, 60, 453-462.	0.0	0
114	Age-related, site-specific muscle loss in 1507 Japanese men and women aged 20 to 95 years. <i>Journal of Sports Science and Medicine</i> , 2011, 10, 145-50.	1.6	87
115	Development of an equation to predict muscle volume of elbow flexors for men and women with a wide range of age. <i>European Journal of Applied Physiology</i> , 2010, 108, 689-694.	2.5	21
116	Shift in Optimal Joint Angle of the Ankle Dorsiflexors Following Eccentric Exercise. <i>Experimental Mechanics</i> , 2010, 50, 661-666.	2.0	4
117	Variability of limb muscle size in young men. <i>American Journal of Human Biology</i> , 2010, 22, 55-59.	1.6	20
118	Joint angle dependence of intermuscle difference in postactivation potentiation. <i>Muscle and Nerve</i> , 2010, 41, 519-523.	2.2	18
119	Fatigue-induced changes in synergistic muscle force do not match tendon elongation. <i>Journal of Biomechanics</i> , 2010, 43, 1632-1634.	2.1	1
120	Influence of muscle anatomical cross-sectional area on the moment arm length of the triceps brachii muscle at the elbow joint. <i>Journal of Biomechanics</i> , 2010, 43, 2844-2847.	2.1	18
121	Changes in ankle joint stiffness due to stretching: The role of tendon elongation of the gastrocnemius muscle. <i>European Journal of Sport Science</i> , 2010, 10, 111-119.	2.7	51
122	Effect of countermovement on elbow joint extension power-load characteristics. <i>Journal of Sports Sciences</i> , 2010, 28, 1535-1542.	2.0	4
123	Influence of tendon stiffness, muscle strength, and muscle activity on individual differences in mechanical work enhancement by a counter movement. <i>Taiikugaku Kenkyu (Japan Journal of Physical)</i> Tj ETQq1 1 0zB4314 rgBT /Over		
124	Establishing a New Index of the Elbow Flexor Muscle Cross-sectional Area. <i>Biomechanisms</i> , 2010, 20, 233-241.	0.1	0
125	Stroke power consistency and 2000m rowing performance in varsity rowers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2009, 19, 83-86.	2.9	17
126	Muscle volume compared to cross-sectional area is more appropriate for evaluating muscle strength in young and elderly individuals. <i>Age and Ageing</i> , 2009, 38, 564-569.	1.6	133

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127	Fatigue-related changes in fascicle-tendon geometry over repeated contractions: Difference between synergist muscles. <i>Muscle and Nerve</i> , 2009, 40, 395-401.	2.2	19
128	Evidence for intermuscle difference in postactivation potentiation in the human triceps surae: A mechanomyographic study. <i>Muscle and Nerve</i> , 2009, 39, 703-706.	2.2	12
129	Effects of knee joint angle on the fascicle behavior of the gastrocnemius muscle during eccentric plantar flexions. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 980-987.	1.7	24
130	Relationships Between Muscle Strength and Indices of Muscle Cross-Sectional Area Determined During Maximal Voluntary Contraction in Middle-Aged and Elderly Individuals. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 1258-1262.	2.1	30
131	The Influence of Fascicle Behavior on the Lack of Velocity Dependence in Eccentric Joint Torque in Humans: In Vivo Observation. <i>Journal of Applied Biomechanics</i> , 2009, 25, 111-118.	0.8	9
132	Sit-to-stand Test to Evaluate Knee Extensor Muscle Size and Strength in the Elderly: A Novel Approach. <i>Journal of Physiological Anthropology</i> , 2009, 28, 123-128.	2.6	111
133	DEVELOPMENT OF AN EQUATION FOR PREDICTING BODY SURFACE AREA BASED ON THREE-DIMENSIONAL PHOTONIC IMAGE SCANNING. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2009, 58, 463-474.	0.0	6
134	In vivo fascicle behavior of synergistic muscles in concentric and eccentric plantar flexions in humans. <i>Journal of Electromyography and Kinesiology</i> , 2008, 18, 79-88.	1.7	37
135	The Relationship Between Passive Ankle Plantar Flexion Joint Torque and Gastrocnemius Muscle and Achilles Tendon Stiffness: Implications for Flexibility. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2008, 38, 269-276.	3.5	66
136	Establishing a New Index of Muscle Cross-Sectional Area and its Relationship With Isometric Muscle Strength. <i>Journal of Strength and Conditioning Research</i> , 2008, 22, 82-87.	2.1	68
137	Muscle Force per Cross-sectional Area is Inversely Related with Pennation Angle in Strength Trained Athletes. <i>Journal of Strength and Conditioning Research</i> , 2008, 22, 128-131.	2.1	60
138	Age and Sex Differences in the Levels of Muscular Activities during Daily Physical Actions. <i>International Journal of Sport and Health Science</i> , 2008, 6, 169-181.	0.2	12
139	Influence of inter-contraction interval on muscle fatigue development during intermittent maximal plantar flexions. <i>Taiikugaku Kenkyu (Japan Journal of Physical Education Health and Sport Sciences)</i> , 2008, 53, 87-97.	0.1	0
140	Effects of Muscle-Tendon Interaction on Force Development in Human Skeletal Muscle in Vivo. <i>Biomechanisms</i> , 2008, 19, 11-22.	0.1	0
141	Elastic Properties of Human in Vivo Triceps Brachii Tendon. <i>International Journal of Sport and Health Science</i> , 2008, 6, 162-168.	0.2	0
142	Effect of Tendon Mechanical Properties on Strain of Triceps Surae Muscle-Tendon Unit under Eccentric Contraction. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S296.	0.4	0
143	In vivo behavior of muscle fascicles and tendinous tissues of human gastrocnemius and soleus muscles during twitch contraction. <i>Journal of Electromyography and Kinesiology</i> , 2007, 17, 587-595.	1.7	40
144	In vivo behavior of muscle fascicles and tendinous tissues in human tibialis anterior muscle during twitch contraction. <i>Journal of Biomechanics</i> , 2007, 40, 3114-3120.	2.1	22

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145	GASTROCNEMIUS MUSCLE ARCHITECTURE AND EXTERNAL TENDON LENGTH IN YOUNG BOYS. <i>Journal of Biomechanics</i> , 2007, 40, S690.	2.1	4
146	Fascicle behavior of medial gastrocnemius muscle in extended and flexed knee positions. <i>Journal of Biomechanics</i> , 2007, 40, 2291-2298.	2.1	26
147	Quantitative assessment of skeletal muscle activation using muscle functional MRI. <i>Magnetic Resonance Imaging</i> , 2006, 24, 639-644.	1.8	28
148	Mapping activation levels of skeletal muscle in healthy volunteers: An MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1420-1425.	3.4	19
149	Human skeletal muscle size and architecture: Variability and interdependence. <i>American Journal of Human Biology</i> , 2006, 18, 845-848.	1.6	65
150	New Insights into In Vivo Human Skeletal Muscle Function. <i>Exercise and Sport Sciences Reviews</i> , 2006, 34, 16-21.	3.0	53
151	Effects of Gender on Age-related Changes in Muscle Thickness in the Elderly. <i>International Journal of Sport and Health Science</i> , 2006, 4, 427-434.	0.2	4
152	Load-Specific Distribution of Muscle Activity in Human Triceps Surae Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S375.	0.4	0
153	Muscle activation and its distribution within human triceps surae muscles. <i>Journal of Applied Physiology</i> , 2005, 99, 1149-1156.	2.5	62
154	Modeling and simulating the deformation of human skeletal muscle based on anatomy and physiology. <i>Computer Animation and Virtual Worlds</i> , 2005, 16, 319-330.	1.2	18
155	The Effects of Strength Training on Muscle Architecture in Humans. <i>International Journal of Sport and Health Science</i> , 2005, 3, 208-217.	0.2	17
156	Behavior of Aponeurosis and External Tendon of the Gastrocnemius Muscle During Dynamic Plantar Flexion Exercise. <i>International Journal of Sport and Health Science</i> , 2005, 3, 235-244.	0.2	4
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