

# Yasuo Kawakami

## List of Publications by Year in descending order

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229  
papers

10,778  
citations

34076

52  
h-index

37183

96  
g-index

236  
all docs

236  
docs citations

236  
times ranked

6023  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo behaviour of human muscle tendon during walking. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 229-233.	1.2	492
2	Architectural and functional features of human triceps surae muscles during contraction. Journal of Applied Physiology, 1998, 85, 398-404.	1.2	439
3	Muscle-fiber pennation angles are greater in hypertrophied than in normal muscles. Journal of Applied Physiology, 1993, 74, 2740-2744.	1.2	424
4	Muscle volume is a major determinant of joint torque in humans. Acta Physiologica Scandinavica, 2001, 172, 249-255.	2.3	422
5	Determination of fascicle length and pennation in a contracting human muscle in vivo. Journal of Applied Physiology, 1997, 82, 354-358.	1.2	360
6	Influence of static stretching on viscoelastic properties of human tendon structures in vivo. Journal of Applied Physiology, 2001, 90, 520-527.	1.2	302
7	The accuracy of volume estimates using ultrasound muscle thickness measurements in different muscle groups. European Journal of Applied Physiology, 2004, 91, 264-272.	1.2	282
8	Influence of elastic properties of tendon structures on jump performance in humans. Journal of Applied Physiology, 1999, 87, 2090-2096.	1.2	266
9	Training-induced changes in muscle architecture and specific tension. European Journal of Applied Physiology and Occupational Physiology, 1995, 72, 37-43.	1.2	246
10	Prediction equations for body composition of Japanese adults by B-mode ultrasound. American Journal of Human Biology, 1994, 6, 161-170.	0.8	239
11	Mechanical properties of tendon and aponeurosis of human gastrocnemius muscle in vivo. Journal of Applied Physiology, 2001, 90, 1671-1678.	1.2	216
12	In vivo muscle fibre behaviour during counter-movement exercise in humans reveals a significant role for tendon elasticity. Journal of Physiology, 2002, 540, 635-646.	1.3	212
13	Nonisometric behavior of fascicles during isometric contractions of a human muscle. Journal of Applied Physiology, 1998, 85, 1230-1235.	1.2	209
14	Muscle architecture and function in humans. Journal of Biomechanics, 1997, 30, 457-463.	0.9	182
15	Changes in muscle size, architecture, and neural activation after 20 days of bed rest with and without resistance exercise. European Journal of Applied Physiology, 2001, 84, 7-12.	1.2	168
16	Ultrasonography gives directly but noninvasively elastic characteristic of human tendon in vivo. European Journal of Applied Physiology and Occupational Physiology, 1995, 71, 555-557.	1.2	141
17	Muscle volume compared to cross-sectional area is more appropriate for evaluating muscle strength in young and elderly individuals. Age and Ageing, 2009, 38, 564-569.	0.7	133
18	Muscle and Tendon Interaction During Human Movements. Exercise and Sport Sciences Reviews, 2002, 30, 106-110.	1.6	132

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19	Specific tension of elbow flexor and extensor muscles based on magnetic resonance imaging. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994, 68, 139-147.	1.2	121
20	Inhomogeneous architectural changes of the quadriceps femoris induced by resistance training. <i>European Journal of Applied Physiology</i> , 2013, 113, 2691-2703.	1.2	121
21	Effect of short-duration spaceflight on thigh and leg muscle volume. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 1743-1747.	0.2	119
22	Nonuniform Muscle Hypertrophy. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 2158-2165.	0.2	112
23	Estimation of Active Force-Length Characteristics of Human Vastus lateralis Muscle. <i>Cells Tissues Organs</i> , 1997, 159, 78-83.	1.3	111
24	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.	1.0	111
25	In vivo determination of fascicle curvature in contracting human skeletal muscles. <i>Journal of Applied Physiology</i> , 2002, 92, 129-134.	1.2	108
26	Growth Changes in the Elastic Properties of Human Tendon Structures. <i>International Journal of Sports Medicine</i> , 2001, 22, 138-143.	0.8	106
27	Elastic properties of muscle-tendon complex in long-distance runners. <i>European Journal of Applied Physiology</i> , 2000, 81, 181-187.	1.2	103
28	Differences in activation patterns in elbow flexor muscles during isometric, concentric and eccentric contractions. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993, 66, 214-220.	1.2	97
29	Elasticity of tendon structures of the lower limbs in sprinters. <i>Acta Physiologica Scandinavica</i> , 2000, 168, 327-335.	2.3	97
30	Fatigue responses of human triceps surae muscles during repetitive maximal isometric contractions. <i>Journal of Applied Physiology</i> , 2000, 88, 1969-1975.	1.2	96
31	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
32	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.	1.2	89
33	Tendinous movement of a human muscle during voluntary contractions determined by real-time ultrasonography. <i>Journal of Applied Physiology</i> , 1996, 81, 1430-1433.	1.2	87
34	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.	0.7	87
35	Changes in the elastic properties of tendon structures following 20 days bed-rest in humans. <i>European Journal of Applied Physiology</i> , 2000, 83, 463-468.	1.2	81
36	In vivo dynamics of human medial gastrocnemius muscle-tendon complex during stretch-shortening cycle exercise. <i>Acta Physiologica Scandinavica</i> , 2000, 170, 127-135.	2.3	79

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37	In vivo estimation of contraction velocity of human vastus lateralis muscle during isokinetic action. <i>Journal of Applied Physiology</i> , 2000, 88, 851-856.	1.2	78
38	Measurement of viscoelastic properties of tendon structures in vivo. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2002, 12, 3-8.	1.3	77
39	Resistance Training during Unweighting Maintains Muscle Size and Function in Human Calf. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, 655-662.	0.2	77
40	Influences of repetitive muscle contractions with different modes on tendon elasticity in vivo. <i>Journal of Applied Physiology</i> , 2001, 91, 277-282.	1.2	73
41	Architecture of Contracting Human Muscles and Its Functional Significance. <i>Journal of Applied Biomechanics</i> , 2000, 16, 88-97.	0.3	69
42	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.	1.0	68
43	Reliability of measurement of oxygen uptake by a portable telemetric system. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1992, 65, 409-414.	1.2	67
44	Effects of repeated muscle contractions on the tendon structures in humans. <i>European Journal of Applied Physiology</i> , 2001, 84, 162-166.	1.2	66
45	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.	1.7	66
46	Human skeletal muscle size and architecture: Variability and interdependence. <i>American Journal of Human Biology</i> , 2006, 18, 845-848.	0.8	65
47	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.	1.5	64
48	Muscle activation and its distribution within human triceps surae muscles. <i>Journal of Applied Physiology</i> , 2005, 99, 1149-1156.	1.2	62
49	Length Change of Human Gastrocnemius Aponeurosis and Tendon during Passive Joint Motion. <i>Cells Tissues Organs</i> , 2002, 171, 260-268.	1.3	61
50	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.	1.0	60
51	Effects of equivolume isometric training programs comprising medium or high resistance on muscle size and strength. <i>European Journal of Applied Physiology</i> , 2002, 87, 112-119.	1.2	55
52	Use of B-mode Ultrasound for Visceral Fat Mass Evaluation: Comparisons with Magnetic Resonance Imaging. <i>Applied Human Science: Journal of Physiological Anthropology</i> , 1995, 14, 133-139.	0.2	54
53	Plyometric Training Favors Optimizing Muscle-Tendon Behavior during Depth Jumping. <i>Frontiers in Physiology</i> , 2017, 8, 16.	1.3	54
54	Bilateral deficit in plantar flexion: relation to knee joint position, muscle activation, and reflex excitability. <i>European Journal of Applied Physiology</i> , 1998, 77, 212-216.	1.2	53

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55	New Insights into In Vivo Human Skeletal Muscle Function. <i>Exercise and Sport Sciences Reviews</i> , 2006, 34, 16-21.	1.6	53
56	Morphological and functional differences in the elbow extensor muscle between highly trained male and female athletes. <i>European Journal of Applied Physiology</i> , 1998, 78, 109-114.	1.2	52
57	Interaction between series compliance and sarcomere kinetics determines internal sarcomere shortening during fixed-end contraction. <i>Journal of Biomechanics</i> , 2000, 33, 1249-1255.	0.9	52
58	Muscle fiber and tendon length changes in the human vastus lateralis during slow pedaling. <i>Journal of Applied Physiology</i> , 2001, 91, 2035-2040.	1.2	51
59	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.	1.4	51
60	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.	0.7	51
61	<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.	0.5	50
62	Effect of series elasticity on isokinetic torque-angle relationship in humans. <i>European Journal of Applied Physiology</i> , 2002, 87, 381-387.	1.2	47
63	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.	1.2	47
64	Unique activation of the quadriceps femoris during single- and multi-joint exercises. <i>European Journal of Applied Physiology</i> , 2016, 116, 1031-1041.	1.2	45
65	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.	1.0	43
66	Influence of the Intensity of Squat Exercises on the Subsequent Jump Performance. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 2236-2243.	1.0	42
67	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
68	Detection of titin fragments in urine in response to exercise-induced muscle damage. <i>PLoS ONE</i> , 2017, 12, e0181623.	1.1	42
69	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.	0.5	41
70	Gender differences in hip and ankle joint kinematics on knee abduction during running. <i>European Journal of Sport Science</i> , 2014, 14, S302-9.	1.4	41
71	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.	0.7	40
72	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.	1.0	40

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73	In vivo determination of the Achilles tendon moment arm in three-dimensions. <i>Journal of Biomechanics</i> , 2012, 45, 409-413.	0.9	40
74	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.	0.2	40
75	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
76	Changes in aponeurotic dimensions upon muscle shortening: in vivo observations in man. <i>Journal of Anatomy</i> , 2001, 199, 449-456.	0.9	39
77	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.	0.9	38
78	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.	0.7	37
79	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.	1.3	37
80	Effects of Instrument-assisted Soft Tissue Mobilization on Musculoskeletal Properties. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2166-2172.	0.2	37
81	Tissue elasticity of <i>in vivo</i> skeletal muscles measured in the transverse and longitudinal planes using shear wave elastography. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 394-399.	0.5	36
82	Superficial aponeurosis of human gastrocnemius is elongated during contraction: implications for modeling muscle-tendon unit. <i>Journal of Biomechanics</i> , 2002, 35, 217-223.	0.9	34
83	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.	0.7	34
84	Musculotendinous Factors Influencing Difference in Ankle Joint Flexibility between Women and Men. <i>International Journal of Sport and Health Science</i> , 2005, 3, 218-225.	0.0	32
85	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.	0.2	32
86	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.	0.9	31
87	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.	1.3	31
88	Task-Dependent Inhomogeneous Muscle Activities within the Bi-Articular Human Rectus Femoris Muscle. <i>PLoS ONE</i> , 2012, 7, e34269.	1.1	31
89	Upper limit of fat-free mass in humans: A study on Japanese Sumo wrestlers. <i>American Journal of Human Biology</i> , 1994, 6, 613-618.	0.8	30
90	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.	1.0	30

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91	Training-induced changes in architecture of human skeletal muscles: Current evidence and unresolved issues. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2016, 5, 37-46.	0.2	30
92	Inter- and intramuscular differences in training-induced hypertrophy of the quadriceps femoris: association with muscle activation during the first training session. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 405-412.	0.5	29
93	Site- and sex-differences in morphological and mechanical properties of the plantar fascia: A supersonic shear imaging study. <i>Journal of Biomechanics</i> , 2019, 85, 198-203.	0.9	29
94	Use of Three-Dimensional Ultrasonography for the Analysis of the Fascicle Length of Human Gastrocnemius Muscle During Contractions. <i>International Journal of Sport and Health Science</i> , 2005, 3, 226-234.	0.0	28
95	Quantitative assessment of skeletal muscle activation using muscle functional MRI. <i>Magnetic Resonance Imaging</i> , 2006, 24, 639-644.	1.0	28
96	Neuromuscular Adaptations to Work-matched Maximal Eccentric versus Concentric Training. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1629-1640.	0.2	28
97	Concentric and eccentric muscle strength before, during and after fatigue in 13 year-old boys. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993, 67, 121-124.	1.2	27
98	Fascicle behavior of medial gastrocnemius muscle in extended and flexed knee positions. <i>Journal of Biomechanics</i> , 2007, 40, 2291-2298.	0.9	26
99	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.	0.6	26
100	Localization of damage in the human leg muscles induced by downhill running. <i>Scientific Reports</i> , 2017, 7, 5769.	1.6	26
101	Fascicle Arrangements of Vastus Lateralis and Gastrocnemius Muscles in Highly Trained Soccer Players and Swimmers of Both Genders. <i>International Journal of Sports Medicine</i> , 2003, 24, 90-95.	0.8	25
102	Unique spatial distribution of <i>in vivo</i> human muscle activation. <i>Experimental Physiology</i> , 2011, 96, 938-948.	0.9	25
103	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.	0.2	25
104	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.	1.2	25
105	Effect of Gender on Mechanical Power Output During Repeated Bouts of Maximal Running in Trained Teenagers. <i>International Journal of Sports Medicine</i> , 2003, 24, 304-310.	0.8	24
106	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.	0.7	24
107	Non-uniform 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.	0.5	23
108	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.	0.9	22

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109	Relationship Between Muscle Architecture and Joint Performance During Concentric Contractions in Humans. <i>Journal of Applied Biomechanics</i> , 2013, 29, 405-412.	0.3	22
110	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.	1.2	21
111	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.	1.5	21
112	Total and segmental subcutaneous adipose tissue volume measured by ultrasound. <i>Medicine and Science in Sports and Exercise</i> , 1996, 28, 908-912.	0.2	21
113	Variability of limb muscle size in young men. <i>American Journal of Human Biology</i> , 2010, 22, 55-59.	0.8	20
114	Effect of conditioning contraction intensity on postactivation potentiation is muscle dependent. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 240-245.	0.7	20
115	Mapping activation levels of skeletal muscle in healthy volunteers: An MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1420-1425.	1.9	19
116	Fatigue-related changes in fascicle-tendon geometry over repeated contractions: Difference between synergist muscles. <i>Muscle and Nerve</i> , 2009, 40, 395-401.	1.0	19
117	Validity of muscle thickness-based prediction equation for quadriceps femoris volume in middle-aged and older men and women. <i>European Journal of Applied Physiology</i> , 2016, 116, 2125-2133.	1.2	19
118	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.	1.2	19
119	Relationship Between Muscle Fiber Pennation and Force Generation Capability in Olympic Athletes. <i>International Journal of Sports Medicine</i> , 1998, 19, 541-546.	0.8	18
120	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.	0.7	18
121	Joint angle dependence of intermuscle difference in postactivation potentiation. <i>Muscle and Nerve</i> , 2010, 41, 519-523.	1.0	18
122	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.	0.9	18
123	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.	1.2	18
124	The Effects of Strength Training on Muscle Architecture in Humans. <i>International Journal of Sport and Health Science</i> , 2005, 3, 208-217.	0.0	17
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.	1.3	17
126	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.	0.9	17



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127	Potential of Maximal Voluntary Concentric Torque in Human Quadriceps Femoris. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1738-1746.	0.2	17
128	Effect of hip joint angle on concentric knee extension torque. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 141-146.	0.7	17
129	Upper-Body Control and Mechanism of Humanoids to Compensate for Angular Momentum in the Yaw Direction Based on Human Running. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 44.	1.3	17
130	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.	1.1	17
131	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.	0.2	16
132	Relationship between training frequency and subcutaneous and visceral fat in women. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 1549-1553.	0.2	16
133	Inferior Muscularity of the Rectus Femoris to Vasti in Varsity Oarsmen. <i>International Journal of Sports Medicine</i> , 2014, 35, 293-297.	0.8	15
134	Surface Mechanomyogram Reflects Length Changes in Fascicles of Human Skeletal muscles. <i>International Journal of Sport and Health Science</i> , 2005, 3, 280-285.	0.0	14
135	Potential of isokinetic torque is velocity-dependent following an isometric conditioning contraction. <i>SpringerPlus</i> , 2013, 2, 554.	1.2	14
136	Further Potential of Dynamic Muscle Strength after Resistance Training. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1323-1330.	0.2	14
137	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.	1.3	14
138	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.	1.0	13
139	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.	1.0	13
140	The contraction-induced increase in Achilles tendon moment arm: A three-dimensional study. <i>Journal of Biomechanics</i> , 2014, 47, 3226-3231.	0.9	13
141	Acute effects of long-distance running on mechanical and morphological properties of the human plantar fascia. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1360-1368.	1.3	13
142	Behavior of Fascicle and Tendinous Tissue of Medial Gastrocnemius Muscle during Rebound Exercise of Ankle Joint. <i>International Journal of Sport and Health Science</i> , 2005, 3, 100-109.	0.0	12
143	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.	0.0	12
144	Evidence for intermuscle difference in postactivation potentiation in the human triceps surae: A mechanomyographic study. <i>Muscle and Nerve</i> , 2009, 39, 703-706.	1.0	12

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145	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.	0.3	12
146	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.	0.7	12
147	Joint Mechanism That Mimics Elastic Characteristics in Human Running. <i>Machines</i> , 2016, 4, 5.	1.2	12
148	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.	1.2	12
149	Hamstrings load bearing in different contraction types and intensities: A shear-wave and B-mode ultrasonographic study. <i>PLoS ONE</i> , 2021, 16, e0251939.	1.1	12
150	Influence of Muscle Hypertrophy on the Moment Arm of the Triceps Brachii Muscle. <i>Journal of Applied Biomechanics</i> , 2015, 31, 111-116.	0.3	11
151	Utilization of Human-Like Pelvic Rotation for Running Robot. <i>Frontiers in Robotics and AI</i> , 2015, 2, .	2.0	11
152	Hip rotation angle is associated with frontal plane knee joint mechanics during running. <i>Gait and Posture</i> , 2015, 41, 557-561.	0.6	11
153	No Graduated Pressure Profile in Compression Stockings Still Reduces Muscle Fatigue. <i>International Journal of Sports Medicine</i> , 2015, 36, 220-225.	0.8	11
154	Walking and finger tapping can be done with independent rhythms. <i>Scientific Reports</i> , 2019, 9, 7620.	1.6	11
155	Site dependent elastic property of human iliotibial band and the effect of hip and knee joint angle configuration. <i>Journal of Biomechanics</i> , 2020, 109, 109919.	0.9	11
156	In vivo Mechanical Properties of Proximal and Distal Aponeuroses in Human Tibialis Anterior Muscle. <i>Cells Tissues Organs</i> , 2002, 170, 162-169.	1.3	10
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