

# Taku Wakahara

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/892344/publications.pdf>

Version: 2024-02-01

40  
papers

980  
citations

430874

18  
h-index

454955

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1016  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Gluteus and posterior thigh muscle sizes in sprinters: Their distributions along muscle length. <i>European Journal of Sport Science</i> , 2022, 22, 799-807.  | 2.7 | 1         |
| 2  | Effects of growth on muscle architecture of knee extensors. <i>Journal of Anatomy</i> , 2022, 241, 683-691.  | 1.5 | 2         |
| 3  | Acute changes in passive stiffness of the individual hamstring muscles induced by resistance exercise: effects of contraction mode and range of motion. <i>European Journal of Applied Physiology</i> , 2022, 122, 2071-2083.                | 2.5 | 8         |
| 4  | Muscle size of individual hip extensors in sprint runners: Its relation to spatiotemporal variables and sprint velocity during maximal velocity sprinting. <i>PLoS ONE</i> , 2021, 16, e0249670.   | 2.5 | 8         |
| 5  | Time-series changes in intramuscular coherence associated with split-belt treadmill adaptation in humans. <i>Experimental Brain Research</i> , 2021, 239, 2127-2139.   | 1.5 | 8         |
| 6  | Effect of Hip Joint Position on Electromyographic Activity of the Individual Hamstring Muscles During Stiff-Leg Deadlift. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, S38-S43.  | 2.1 | 6         |
| 7  | Effects of neuromuscular electrical stimulation training on muscle size in collegiate track and field athletes. <i>PLoS ONE</i> , 2019, 14, e0224881.  | 2.5 | 9         |
| 8  | Association between trunk and gluteus muscle size and long jump performance. <i>PLoS ONE</i> , 2019, 14, e0225413.   | 2.5 | 10        |
| 9  | Relation Between Iliopsoas Cross-sectional Area and Kicked Ball Speed in Soccer Players. <i>International Journal of Sports Medicine</i> , 2018, 39, 468-472.  | 1.7 | 0         |
| 10 | 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. | 1.2 | 29        |
| 11 | Effect of hip joint angle on concentric knee extension torque. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 141-146.   | 1.7 | 17        |
| 12 | Effect of knee alignment on the quadriceps femoris muscularity: Cross-sectional comparison of trained versus untrained individuals in both sexes. <i>PLoS ONE</i> , 2017, 12, e0183148.  | 2.5 | 9         |
| 13 | 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.   | 0.3 | 30        |
| 14 | 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.   | 2.5 | 19        |
| 15 | 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        |
| 16 | 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        |
| 17 | Nonuniform Muscle Hypertrophy Along the Length Induced by Resistance Training. , 2015, , 157-173.  |     | 2         |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | 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        |
| 20 | <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        |
| 21 | 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        |
| 22 | 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        |
| 23 | 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       |
| 24 | Nonuniform Muscle Hypertrophy. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 2158-2165.   | 0.4 | 112       |
| 25 | 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        |
| 26 | 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        |
| 27 | 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        |
| 28 | Task-Dependent Inhomogeneous Muscle Activities within the Bi-Articular Human Rectus Femoris Muscle. <i>PLoS ONE</i> , 2012, 7, e34269.   | 2.5 | 31        |
| 29 | 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        |
| 30 | Variability of limb muscle size in young men. <i>American Journal of Human Biology</i> , 2010, 22, 55-59.  | 1.6 | 20        |
| 31 | 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        |
| 32 | Passive knee movement-induced modulation of the soleus H-reflex and alteration in the fascicle length of the medial gastrocnemius muscle in humans. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 513-522.                          | 1.7 | 5         |
| 33 | Effect of countermovement on elbow joint extension power-load characteristics. <i>Journal of Sports Sciences</i> , 2010, 28, 1535-1542.  | 2.0 | 4         |
| 34 | 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        |
| 35 | 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        |
| 36 | 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         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Effects of Muscle Cooling on the Stiffness of the Human Gastrocnemius Muscle in vivo. Cells Tissues Organs, 2008, 187, 152-160.   | 2.3 | 25        |
| 38 | Elastic Properties of Human in Vivo Triceps Brachii Tendon. International Journal of Sport and Health Science, 2008, 6, 162-168.  | 0.2 | 0         |
| 39 | Fascicle behavior of medial gastrocnemius muscle in extended and flexed knee positions. Journal of Biomechanics, 2007, 40, 2291-2298.   | 2.1 | 26        |
| 40 | Effects of Passive Ankle and Knee Joint Motions on the Length of Fascicle and Tendon of the Medial Gastrocnemius Muscle. International Journal of Sport and Health Science, 2005, 3, 75-82. | 0.2 | 7         |