Takashi Yamada

List of Publications by Year
in descending order

104	2,043	236612	264894
papers	citations	25 h-index	42 g-index

109	109	109	2501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Muscle fatigue: from observations in humans to underlying mechanisms studied in intact single muscle fibres. European Journal of Applied Physiology, 2010, 110, 1-15.	1.2	133
2	Mitochondrial production of reactive oxygen species contributes to the Î²â€adrenergic stimulation of mouse cardiomycytes. Journal of Physiology, 2011, 589, 1791-1801.	1.3	117
3	Reactive oxygen species and fatigueâ€induced prolonged lowâ€frequency force depression in skeletal muscle fibres of rats, mice and SOD2 overexpressing mice. Journal of Physiology, 2008, 586, 175-184.	1.3	116
4	Reactive oxygen/nitrogen species and contractile function in skeletal muscle during fatigue and recovery. Journal of Physiology, 2016, 594, 5149-5160.	1.3	98
5	Alterations of local spontaneous brain activity and connectivity in adults with high-functioning autism spectrum disorder. Molecular Autism, 2015, 6, 30.	2.6	78
6	Effects of HMGB1 on in vitro responses of isolated muscle fibers and functional aspects in skeletal muscles of idiopathic inflammatory myopathies. FASEB Journal, 2010, 24, 570-578.	0.2	74
7	Increased fatigue resistance linked to Ca²⁺-stimulated mitochondrial biogenesis in muscle fibres of cold-acclimated mice. Journal of Physiology, 2010, 588, 4275-4288.	1.3	71
8	ACUTE EFFECTS OF COLD ON BLOOD PRESSURE, RENIN-ANGIOTENSINALDOSTERONE SYSTEM, CATECHOLAMINES AND ADRENAL STEROIDS IN MAN. Clinical and Experimental Pharmacology and Physiology, 1984, 11, 171-179.	0.9	66
9	Carminerin contributes to chondrocyte calcification during endochondral ossification. Nature Medicine, 2006, 12, 665-670.	15.2	55
10	Oxidation of myosin heavy chain and reduction in force production in hyperthyroid rat soleus. Journal of Applied Physiology, 2006, 100, 1520-1526.	1.2	54
11	Changes in Endocrine Activities Relative to Obesity in Patients with Essential Hypertension*. Journal of the American Geriatrics Society, 1981, 29, 25-30.	1.3	51
12	Impaired myofibrillar function in the soleus muscle of mice with collagenâ€induced arthritis. Arthritis and Rheumatism, 2009, 60, 3280-3289.	6.7	45
13	Inhibitory Action of Thyroid Hormone on the Activation of Adenyl Cyclase-Cyclic AMP System by Thyroid-Stimulating Hormone in Human Thyroid Tissues from Euthyroid Subjects and Thyrotoxic Patients. Journal of Clinical Endocrinology and Metabolism, 1974, 39, 772-778.	1.8	43
14	Pituitary Unresponsiveness to Thyrotropin-Releasing Hormone in Thyrotoxic Patients During Chronic Anti-thyroid Drug Therapy and in Rats Previously Treated with Excess Thyroid Hormone1. Journal of Clinical Endocrinology and Metabolism, 1975, 40, 942-948.	1.8	43
15	Oxidation of sarcoplasmic reticulum Ca2+-ATPase induced by high-intensity exercise. Pflugers Archiv European Journal of Physiology, 2003, 446, 394-399.	1.3	43
16	Nitrosative modifications of the Ca²⁺release complex and actin underlie arthritis-induced muscle weakness. Annals of the Rheumatic Diseases, 2015, 74, 1907-1914.	0.5	40
17	Î²-Hydroxybutyrate inhibits insulin-mediated glucose transport in mouse oxidative muscle. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E364-E373.	1.8	38
18	Hyperthyroidism in the Elderly. Journal of the American Geriatrics Society, 1979, 27, 152-155.	1.3	33

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19	High temperature does not alter fatigability in intact mouse skeletal muscle fibres. Journal of Physiology, 2009, 587, 4717-4724.	1.3	32
20	A Mechanism for Statin-Induced Susceptibility to Myopathy. JACC Basic To Translational Science, 2019, 4, 509-523.	1.9	31
21	Ageâ€Related Changes of Thyroid Function and Immunologic Abnormalities in Patients with Hyperthyroidism Due to Graves' Disease. Journal of the American Geriatrics Society, 1989, 37, 944-948.	1.3	30
22	Impaired mitochondrial respiration and decreased fatigue resistance followed by severe muscle weakness in skeletal muscle of mitochondrial DNA mutator mice. Journal of Physiology, 2012, 590, 6187-6197.	1.3	30
23	Muscle Weakness in Rheumatoid Arthritis: The Role of Ca 2+ and Free Radical Signaling. EBioMedicine, 2017, 23, 12-19.	2.7	30
24	The detection of sentinel lymph nodes in laparoscopic surgery for uterine cervical cancer using 99m-technetium-tin colloid, indocyanine green, and blue dye. Journal of Gynecologic Oncology, 2017, 28, e13.	1.0	28
25	Muscle dysfunction associated with adjuvant-induced arthritis is prevented by antioxidant treatment. Skeletal Muscle, 2015, 5, 20.	1.9	27
26	Role of calpain in eccentric contraction-induced proteolysis of Ca²⁺-regulatory proteins and force depression in rat fast-twitch skeletal muscle. Journal of Applied Physiology, 2017, 122, 396-405.	1.2	27
27	Effects of contraction mode and stimulation frequency on electrical stimulation-induced skeletal muscle hypertrophy. Journal of Applied Physiology, 2018, 124, 341-348.	1.2	27
28	Interpolated twitches in fatiguing single mouse muscle fibres: implications for the assessment of central fatigue. Journal of Physiology, 2008, 586, 2799-2805.	1.3	26
29	Superoxide dismutase/catalase mimetic EUK-134 prevents diaphragm muscle weakness in monocrotalin-induced pulmonary hypertension. PLoS ONE, 2017, 12, e0169146.	1.1	24
30	Myofiber androgen receptor increases muscle strength mediated by a skeletal muscle splicing variant of Mylk4. IScience, 2021, 24, 102303.	1.9	24
31	Oxidative hotspots on actin promote skeletal muscle weakness in rheumatoid arthritis. JCI Insight, 2019, 4, .	2.3	23
32	SRC-1 Is Necessary for Skeletal Responses to Sex Hormones in Both Males and Females. Journal of Bone and Mineral Research, 2004, 19, 1452-1461.	3.1	22
33	The detection of sentinel lymph nodes in laparoscopic surgery can eliminate systemic lymphadenectomy for patients with early stage endometrial cancer. International Journal of Clinical Oncology, 2018, 23, 305-313.	1.0	22
34	Proteinuria and Renal Function During Antihypertensive Treatment for Essential Hypertension. Journal of the American Geriatrics Society, 1980, 28, 114-117.	1.3	20
35	Myofibrillar protein oxidation and contractile dysfunction in hyperthyroid rat diaphragm. Journal of Applied Physiology, 2007, 102, 1850-1855.	1.2	20
36	Endurance training-induced changes in alkali light chain patterns in type IIB fibers of the rat. Journal of Applied Physiology, 2003, 94, 923-929.	1.2	19

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37	<scp>l</scp> -arginine ingestion inhibits eccentric contraction-induced proteolysis and force deficit via S -nitrosylation of calpain. Physiological Reports, 2018, 6, e13582.	0.7	19
38	Neuromuscular electrical stimulation increases serum brain-derived neurotrophic factor in humans. Experimental Brain Research, 2019, 237, 47-56.	0.7	19
39	Effects of high-intensity training and acute exercise on in vitro function of rat sarcoplasmic reticulum. European Journal of Applied Physiology, 2007, 99, 641-649.	1.2	18
40	N-acetylcysteine fails to modulate the in vitro function of sarcoplasmic reticulum of diaphragm in the final phase of fatigue. Acta Physiologica Scandinavica, 2005, 184, 195-202.	2.3	17
41	Alterations in in vitro function and protein oxidation of rat sarcoplasmic reticulum Ca²⁺â€ATPase during recovery from highâ€intensity exercise. Experimental Physiology, 2008, 93, 426-433.	0.9	17
42	Preconditioning contractions prevent the delayed onset of myofibrillar dysfunction after damaging eccentric contractions. Journal of Physiology, 2018, 596, 4427-4442.	1.3	17
43	Time course of changes in in vitro sarcoplasmic reticulum Ca2+-handling and Na+-K+-ATPase activity during repetitive contractions. Pflugers Archiv European Journal of Physiology, 2008, 456, 601-609.	1.3	16
44	The Role of Reactive Oxygen Species in Î²-Adrenergic Signaling in Cardiomyocytes from Mice with the Metabolic Syndrome. PLoS ONE, 2016, 11, e0167090.	1.1	16
45	Cancer Cachexia Induces Preferential Skeletal Muscle Myosin Loss When Combined With Denervation. Frontiers in Physiology, 2020, 11, 445.	1.3	16
46	Epidermal growth factor (EGF), tumor promoter 12-O-tetradecanoylphorbol 13-acetate (TPA) and calcium ionophore A23187 increase cytoplasmic free calcium and stimulate arachidonic acid release and PGE2/6-keto PGF1Î± production in cultured porcine thyroid cel. FEBS Letters, 1987, 225, 43-47.	1.3	15
47	Mechanisms of Skeletal Muscle Weakness. Advances in Experimental Medicine and Biology, 2010, 682, 279-296.	0.8	15
48	High-intensity eccentric training ameliorates muscle wasting in colon 26 tumor-bearing mice. PLoS ONE, 2018, 13, e0199050.	1.1	15
49	The diagnostic accuracy of fluorodeoxyglucose-positron emission tomography/computed tomography and sentinel node biopsy in the prediction of pelvic lymph node metastasis in patients with endometrial cancer. Medicine (United States), 2018, 97, e12522.	0.4	14
50	Which is better for predicting pelvic lymph node metastases in patients with cervical cancer. Medicine (United States), 2018, 97, e0410.	0.4	11
51	Ingestion of soy protein isolate attenuates eccentric contraction-induced force depression and muscle proteolysis via inhibition of calpain-1 activation in rat fast-twitch skeletal muscle. Nutrition, 2019, 58, 23-29.	1.1	9
52	Improved skeletal muscle fatigue resistance in experimental autoimmune myositis mice following high-intensity interval training. Arthritis Research and Therapy, 2022, 24, .	1.6	9
53	Effects of reduced glycogen on structure and in vitro function of rat sarcoplasmic reticulum Ca2+-ATPase. Pflugers Archiv European Journal of Physiology, 2006, 452, 117-123.	1.3	8
54	Electrical Stimulation Prevents Preferential Skeletal Muscle Myosin Loss in Steroid-Denervation Rats. Frontiers in Physiology, 2018, 9, 1111.	1.3	8

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55	Chicken Breast Attenuates High-Intensity-Exercise-Induced Decrease in Rat Sarcoplasmic Reticulum Ca2+ Handling. International Journal of Sport Nutrition and Exercise Metabolism, 2008, 18, 399-411.	1.0	7
56	Eccentric Resistance Training Ameliorates Muscle Weakness in a Mouse Model of Idiopathic Inflammatory Myopathies. Arthritis and Rheumatology, 2021, 73, 848-857.	2.9	7
57	Effect of Repeated Administration of Excess Iodide on Thyroid Hormone Secretion in Rats, with Special Reference to the Escape from the Iodide Effect. Endocrinology, 1973, 93, 343-347.	1.4	6
58	Changes in Hormonal Activities Relative to the Severity of Essential Hypertension. Journal of the American Geriatrics Society, 1979, 27, 193-197.	1.3	6
59	Ten-Year Follow-up of Japanese Overweight Subjects with Impaired Glucose Tolerance: Identification of a Diabetes-Prone Subpopulation.. Internal Medicine, 1992, 31, 877-884.	0.3	6
60	Myofibrillar function differs markedly between denervated and dexamethasone-treated rat skeletal muscles: Role of mechanical load. PLoS ONE, 2019, 14, e0223551.	1.1	6
61	Eccentric training enhances the Î±B-crystallin binding to the myofibrils and prevents skeletal muscle weakness in adjuvant-induced arthritis rat. Journal of Applied Physiology, 2019, 127, 71-80.	1.2	6
62	Neuromuscular electrical stimulation prevents skeletal muscle dysfunction in adjuvant-induced arthritis rat. PLoS ONE, 2017, 12, e0179925.	1.1	6
63	Effect of Normalization of Hypometabolic State on Blood Pressure in Spontaneously Hypertensive Rats and in Patients with Essential Hypertension*. Journal of the American Geriatrics Society, 1976, 24, 454-457.	1.3	5
64	EFFECTS OF THYROID HORMONES, ANTITHYROID DRUGS AND IODIDE ON IN VITRO CONVERSION OF THYROXINE TO TRIIODOTHYRONINE. Clinical and Experimental Pharmacology and Physiology, 1981, 8, 215-225.	0.9	5
65	Preconditioning contractions prevent prolonged force depression and Ca²⁺-dependent proteolysis of STAC3 after damaging eccentric contractions. Journal of Applied Physiology, 2021, 131, 1399-1407.	1.2	5
66	Larger improvements in fatigue resistance and mitochondrial function with highâ€•than with lowâ€•intensity contractions during interval training of mouse skeletal muscle. FASEB Journal, 2021, 35, e21988.	0.2	5
67	HYPERACTIVITY OF HYPOTHALAMIC NEUROSECRETION AND COINCIDENTAL OCCURRENCE OF THYROID ENLARGEMENT FOLLOWING ADMINISTRATION OF METHYLTHIOURACIL. Endocrinologia Japonica, 1957, 4, 110-119.	0.5	4
68	Thyroid Hormone Metabolism in Patients with Liver Cirrhosis, as Judged by Urinary Excretion of Triiodothyronine. Journal of the American Geriatrics Society, 1980, 28, 485-491.	1.3	4
69	The role of lactic acid in muscle contraction. Taiikugaku Kenkyu (Japan Journal of Physical Education) Tj ETQq1 1 0.784314 rgBT /Over	0.0	4
70	Preconditioning Contractions Suppress Muscle Pain Markers after Damaging Eccentric Contractions. Pain Research and Management, 2018, 2018, 1-8.	0.7	4
71	The Diagnostic Accuracy of an Intraoperative Frozen Section Analysis and Imprint Cytology of Sentinel Node Biopsy Specimens from Patients with Uterine Cervical and Endometrial Cancer: a Retrospective Observational Study. Pathology and Oncology Research, 2020, 26, 2273-2279.	0.9	4
72	EFFECTS OF THYROID HORMONE ON SARCOPLASMIC RETICULUM Ca²⁺ UPTAKE AND CONTRACTILE PROPERTIES IN RAT SOLEUS MUSCLE. Japanese Journal of Physical Fitness and Sports Medicine, 2004, 53, 509-517.	0.0	4

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73	Paradoxical Effect of Excess Iodide on Thyroidal Release of Organic Iodine in Thyroxineâ€"Treated Animals. Endocrinology, 1973, 92, 946-948.	1.4	3
74	Effects of Antihypertensive Treatment on Left Ventricular Hypertrophy in Patients with Essential Hypertension. Journal of the American Geriatrics Society, 1979, 27, 500-506.	1.3	3
75	The development of an automated cell electrophoresis analyzer. Electrophoresis, 1986, 7, 191-194.	1.3	3
76	No relationship between enzyme activity and structure of nucleotide binding site in sarcoplasmic reticulum Ca²⁺â€ATPase from shortâ€term stimulated rat muscle. Acta Physiologica, 2009, 196, 401-409.	1.8	3
77	Intraperitoneal cytology after laparoscopic hysterectomy in patients with endometrial cancer. Medicine (United States), 2017, 96, e7502.	0.4	3
78	BGPâ€15: A potential therapeutic agent for critical illness myopathy. Acta Physiologica, 2020, 229, e13441.	1.8	3
79	Response of Heat Shock Protein 72 to Repeated Bouts of Hyperthermia in Rat Skeletal Muscle. Physiological Research, 2015, 64, 935-938.	0.4	2
80	Prevention of adrenaline-induced pulmonary edema in rabbits with sodium nitroprusside.. Japanese Journal of Clinical Pharmacology and Therapeutics, 1985, 16, 659-668.	0.1	2
81	POST-NATAL DEVELOPMENT OF THE HYPOTHALAMIC NEUROSECRETION IN THE DOG. Endocrinologia Japonica, 1956, 3, 264-271.	0.5	1
82	INDEPENDENCE OF THE GOITER DEVELOPMENT TO THE CONCENTRATION OF CIRCULATING PROTEIN BOUND IODINE. Endocrinologia Japonica, 1957, 4, 120-127.	0.5	1
83	A Device for Expressing the Serum Insulinâ€Glucose Relationship in Diabetes, Hyperâ€or Hypothyroidism, and Chronic Hepatitis. Journal of the American Geriatrics Society, 1977, 25, 157-161.	1.3	1
84	A Case of Sarcoidosis Associated with Bronchial Asthma.. Japanese Journal of Medicine, 1991, 30, 351-353.	0.1	1
85	Cardiac Ca2+ and Free Radical Disturbances in Mice with Arthritis. Biophysical Journal, 2013, 104, 105a-106a.	0.2	1
86	Mechanisms of decline in muscle quality in sarcopenia. , 2021, , 295-322.		1
87	A case of gastric plasmacytoma associated with Hashimoto's disease, primary biliary cirrhosis and SjÃ¶gren's syndrome. Japanese Journal of Clinical Immunology, 1984, 7, 118-124.	0.0	1
88	Characteristics and mechanisms of low-frequency muscle fatigue: alterations in skeletal muscle. Japanese Journal of Physical Fitness and Sports Medicine, 2012, 61, 297-306.	0.0	1
89	Insulin Sensibility in the Pregnancy. Nippon Naibunpi Gakkai Zasshi, 1960, 35, 1116-1122,1069.	0.0	0
90	A CASE OF THE PARATHYROID TUMOR IN THYMUS FALSELY DIAGNOSED AS DIABETES INSIPIDUS. The Journal of the Japanese Society of Internal Medicine, 1983, 72, 624-628.	0.0	0

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91	Skeletal Muscle Fibers of Cold-Acclimated Mice Display Increases in Basal Calcium, Mitochondrial Content and Fatigue Resistance. Biophysical Journal, 2010, 98, 712a.	0.2	0
92	Crosstalk between nitrosative stress and altered Ca2⁺handling in arthritis-induced skeletal muscle dysfunction. Annals of the Rheumatic Diseases, 2012, 71, A43.3-A44.	0.5	0
93	mRNA Expressionin the Rat Spinal Cord Including Motoneurons Innervating Damaged Muscle. Medicine and Science in Sports and Exercise, 2018, 50, 200.	0.2	0
94	Longâ€term wheelâ€running prevents reduction of grip strength in type 2 diabetic rats. Physiological Reports, 2021, 9, e15046.	0.7	0
95	Changes In Sarcoplasmic Reticulum Ca2+-atpase During Recovery Following High-intensity Exercise. Medicine and Science in Sports and Exercise, 2005, 37, S242.	0.2	0
96	Changes In Sarcoplasmic Reticulum Ca2+-atpase During Recovery Following High-intensity Exercise. Medicine and Science in Sports and Exercise, 2005, 37, S242.	0.2	0
97	CHANGES IN SARCOPLASMIC RETICULUM Ca2+-SEQUESTERING CAPACITY DURING RECOVERY FOLLOWING HIGH-INTENSITY EXERCISE. Japanese Journal of Physical Fitness and Sports Medicine, 2006, 55, 503-512.	0.0	0
98	RELATIONSHIP BETWEEN OXIDATION OF MYOFIBRILLAR PROTEINS AND CONTRACTILE PROPERTIES IN SOLEUS MUSCLES FROM HYPERTHYROID RAT. Japanese Journal of Physical Fitness and Sports Medicine, 2007, 56, 473-480.	0.0	0
99	Dietary Carnosine And Anserine Inhibits High-intensity Exercise-induced Decrease In Rat Sarcoplasmic Reticulum Ca2+ -handling. Medicine and Science in Sports and Exercise, 2007, 39, S365.	0.2	0
100	EFFECT OF HIGH-INTENSITY TRAINING AND ACUTE EXERCISE ON Ca2+-SEQUESTERING FUNCTION OF SARCOPLASMIC RETICULUM : ROLE OF OXIDATIVE MODIFICATION. Japanese Journal of Physical Fitness and Sports Medicine, 2008, 57, 327-338.	0.0	0
101	The Twitch Interpolation Technique May Overestimate Central Fatigue. Medicine and Science in Sports and Exercise, 2008, 40, S191.	0.2	0
102	Preconditioning contractions prevent Ca2+-dependent proteolysis of STAC3 and prolonged force depression after eccentric contractions. Journal of General Physiology, 2022, 154, .	0.9	0
103	Isometric training improves fatigue resistance in dystrophin-deficient muscle. Journal of General Physiology, 2022, 154, .	0.9	0
104	Intrinsic contractile dysfunction in a surgical model of muscle hypertrophy. Journal of General Physiology, 2022, 154, .	0.9	0