

Hiroshi Kumagai

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,164
citations

430754

18
h-index

434063

31
g-index

78
all docs

78
docs citations

78
times ranked

1265
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased physical activity has a greater effect than reduced energy intake on lifestyle modification-induced increases in testosterone. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 58, 84-89.	0.6	96
2	Aerobic exercise training increases plasma Klotho levels and reduces arterial stiffness in postmenopausal women. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H348-H355.	1.5	93
3	Mitochondrial-derived peptides in energy metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E659-E666.	1.8	67
4	Host mitochondrial transcriptome response to SARS-CoV-2 in multiple cell models and clinical samples. <i>Scientific Reports</i> , 2021, 11, 3.	1.6	56
5	Peptides derived from small mitochondrial open reading frames: Genomic, biological, and therapeutic implications. <i>Experimental Cell Research</i> , 2020, 393, 112056.	1.2	50
6	Aerobic Exercise Training Decreases Plasma Asymmetric Dimethylarginine Concentrations With Increase in Arterial Compliance in Postmenopausal Women. <i>American Journal of Hypertension</i> , 2014, 27, 415-421.	1.0	46
7	Lifestyle modification increases serum testosterone level and decrease central blood pressure in overweight and obese men. <i>Endocrine Journal</i> , 2015, 62, 423-430.	0.7	46
8	ESR1 rs2234693 Polymorphism Is Associated with Muscle Injury and Muscle Stiffness. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 19-26.	0.2	45
9	Mitochondria-derived peptides in aging and healthspan. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	44
10	Mitochondrial-derived peptides in aging and age-related diseases. <i>GeroScience</i> , 2021, 43, 1113-1121.	2.1	37
11	Vigorous Physical Activity is Associated with Regular Aerobic Exercise-Induced Increased Serum Testosterone Levels in Overweight/Obese Men. <i>Hormone and Metabolic Research</i> , 2018, 50, 73-79.	0.7	35
12	Increased expression of the mitochondrial derived peptide, MOTS-c, in skeletal muscle of healthy aging men is associated with myofiber composition. <i>Aging</i> , 2020, 12, 5244-5258.	1.4	33
13	Genome-Wide Association Study Reveals a Novel Association Between MYBPC3 Gene Polymorphism, Endurance Athlete Status, Aerobic Capacity and Steroid Metabolism. <i>Frontiers in Genetics</i> , 2020, 11, 595.	1.1	30
14	The association of HFE gene H63D polymorphism with endurance athlete status and aerobic capacity: novel findings and a meta-analysis. <i>European Journal of Applied Physiology</i> , 2020, 120, 665-673.	1.2	29
15	A pro-diabetogenic mtDNA polymorphism in the mitochondrial-derived peptide, MOTS-c. <i>Aging</i> , 2021, 13, 1692-1717.	1.4	28
16	MOTS-c reduces myostatin and muscle atrophy signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E680-E690.	1.8	26
17	Role of selected polymorphisms in determining muscle fiber composition in Japanese men and women. <i>Journal of Applied Physiology</i> , 2018, 124, 1377-1384.	1.2	22
18	Taurine Supplementation Reduces Eccentric Exercise-Induced Delayed Onset Muscle Soreness in Young Men. <i>Advances in Experimental Medicine and Biology</i> , 2015, 803, 765-772.	0.8	21

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19	Lifestyle modification decreases arterial stiffness and plasma asymmetric dimethylarginine level in overweight and obese men. <i>Coronary Artery Disease</i> , 2013, 24, 583-588.	0.3	18
20	Effects of lifestyle modification on central blood pressure in overweight and obese men. <i>Blood Pressure Monitoring</i> , 2013, 18, 311-315.	0.4	17
21	Sexual Function Is an Indicator of Central Arterial Stiffness and Arterial Stiffness Gradient in Japanese Adult Men. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	17
22	Effect of aerobic and resistance exercise on the mitochondrial peptide MOTS-c in Hispanic and Non-Hispanic White breast cancer survivors. <i>Scientific Reports</i> , 2021, 11, 16916.	1.6	17
23	Association between the ACE I/D polymorphism and muscle injuries in Italian and Japanese elite football players. <i>Journal of Sports Sciences</i> , 2020, 38, 2423-2429.	1.0	16
24	Humanin-induced autophagy plays important roles in skeletal muscle function and lifespan extension. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130017.	1.1	16
25	No influence of lower leg heating on central arterial pulse pressure in young men. <i>Journal of Physiological Sciences</i> , 2015, 65, 311-316.	0.9	15
26	COL5A1 rs12722 polymorphism is not associated with passive muscle stiffness and sports-related muscle injury in Japanese athletes. <i>BMC Medical Genetics</i> , 2019, 20, 192.	2.1	15
27	Plasma ADMA concentrations associate with aerobic fitness in postmenopausal women. <i>Life Sciences</i> , 2014, 108, 30-33.	2.0	14
28	MOTS-c: an equal opportunity insulin sensitizer. <i>Journal of Molecular Medicine</i> , 2019, 97, 487-490.	1.7	14
29	Are Genome-Wide Association Study Identified Single-Nucleotide Polymorphisms Associated With Sprint Athletic Status? A Replication Study With 3 Different Cohorts. <i>International Journal of Sports Physiology and Performance</i> , 2021, 16, 489-495.	1.1	14
30	Relationship between exercise capacity and urinary liver-type fatty acid-binding protein in middle-aged and older individuals. <i>Clinical and Experimental Nephrology</i> , 2017, 21, 810-817.	0.7	13
31	Effect of sleep efficiency on salivary metabolite profile and cognitive function during exercise in volleyball athletes. <i>European Journal of Applied Physiology</i> , 2019, 119, 2215-2223.	1.2	13
32	Lifestyle modification-induced increase in serum testosterone and SHBG decreases arterial stiffness in overweight and obese men. <i>Artery Research</i> , 2014, 8, 80.	0.3	12
33	Resistance training-induced decrease in central arterial compliance is associated with decreased subendocardial viability ratio in healthy young men. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 510-516.	0.9	12
34	eQTL variants in <i>COL22A1</i> are associated with muscle injury in athletes. <i>Physiological Genomics</i> , 2020, 52, 588-589.	1.0	10
35	Genetic variants within the <i>COL5A1</i> gene are associated with ligament injuries in physically active populations from Australia, South Africa, and Japan. <i>European Journal of Sport Science</i> , 2023, 23, 284-293.	1.4	8
36	Which cytokine is the most related to weight loss-induced decrease in arterial stiffness in overweight and obese men?. <i>Endocrine Journal</i> , 2018, 65, 53-61.	0.7	7

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37	Resistance training-induced decreases in central arterial compliance is associated with increases in serum thromboxane B ₂ concentrations in young men. <i>Artery Research</i> , 2018, 23, 63.	0.3	7
38	Role of High Physical Fitness in Deterioration of Male Sexual Function in Japanese Adult Men. <i>American Journal of Men's Health</i> , 2019, 13, 155798831984917.	0.7	7
39	Female Athletes Genetically Susceptible to Fatigue Fracture Are Resistant to Muscle Injury: Potential Role of COL1A1 Variant. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1855-1864.	0.2	7
40	Impact of Age and Aerobic Exercise Training on Conduit Artery Wall Thickness: Role of the Shear Pattern. <i>Journal of Vascular Research</i> , 2017, 54, 272-279.	0.6	6
41	The MOTS-c K14Q polymorphism in the mtDNA is associated with muscle fiber composition and muscular performance. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130048.	1.1	6
42	Association between muscular strength and intrarenal vascular resistance in middle-aged and older individuals. <i>Experimental Gerontology</i> , 2017, 91, 72-78.	1.2	5
43	Central blood pressure is associated with trunk flexibility in older adults. <i>Artery Research</i> , 2017, 19, 91.	0.3	5
44	Pentraxin 3 increases in adult overweight and obese men after weight loss by dietary modification with exercise training. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 111-117.	0.9	5
45	Genetics of muscle fiber composition. , 2019, , 295-314.		5
46	Incremental short maximal exercise increases urinary liver-type fatty acid-binding protein in adults without CKD. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 709-715.	1.3	5
47	Renal hemodynamics across the adult lifespan: Relevance of flow pulsatility to chronic kidney disease. <i>Experimental Gerontology</i> , 2021, 152, 111459.	1.2	5
48	Relationships between serum free fatty acid and pulse pressure amplification in overweight/obese men: insights from exercise training and dietary modification. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2018, 62, 254-258.	0.6	4
49	Regular aerobic exercise improves sexual function assessed by the Aging Males™ Symptoms questionnaire in adult men. <i>Aging Male</i> , 2020, 23, 1194-1201.	0.9	4
50	Regular resistance training favorably affects central artery stiffness response following transient resistance exercise. <i>Sport Sciences for Health</i> , 2021, 17, 901-909.	0.4	4
51	Genotype Score for Iron Status Is Associated with Muscle Fiber Composition in Women. <i>Genes</i> , 2022, 13, 5.	1.0	4
52	Urinary liver-type fatty acid-binding protein is associated with subendocardial viability ratio in middle- and older-aged adults. <i>Clinical and Experimental Hypertension</i> , 2018, 40, 244-250.	0.5	3
53	Aerobic exercise training normalizes central blood pressure regulation after oral glucose loading in overweight/obese men. <i>Clinical and Experimental Hypertension</i> , 2019, 41, 28-35.	0.5	3
54	A rs936306 C/T Polymorphism in the CYP19A1 Is Associated With Stress Fractures. <i>Journal of Strength and Conditioning Research</i> , 2020, Publish Ahead of Print, .	1.0	3

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55	Genetic polymorphisms in <i>CYP19A1</i> and <i>ESR1</i> are associated with serum CK activity after prolonged running in men. <i>Journal of Applied Physiology</i> , 2022, 132, 966-973.	1.2	3
56	Genetic polymorphisms related to muscular strength and flexibility are associated with artistic gymnastic performance in the Japanese population. <i>European Journal of Sport Science</i> , 2023, 23, 955-963.	1.4	3
57	Amino Acid Replacement (K14Q) of Mitochondria-Derived MOTS-c Affects Type 2 Diabetes in Men with Lower Physical Activity. <i>Juntendo Medical Journal</i> , 2018, 64, 121-121.	0.1	2
58	Deterioration of sexual function is associated with central hemodynamics in adult Japanese men. <i>Hypertension Research</i> , 2020, 43, 36-44.	1.5	2
59	Stature is negatively associated with increased arterial stiffness after high-intensity bicep curls training in young Japanese men. <i>European Journal of Sport Science</i> , 2022, 22, 1104-1112.	1.4	2
60	Relationship between anemia and circulating levels of amino acids in female endurance athletes. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2017, 66, 391-397.	0.0	2
61	The impact of aerobic fitness on arterial stiffness and adrenal cortex hormones in middle-aged and older adults. <i>Endocrine Journal</i> , 2020, 67, 1199-1205.	0.7	2
62	Changes in plasma amino acid concentrations in overweight and obese men after weight loss program including dietary modification and aerobic exercise. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2020, 9, 43-51.	0.2	1
63	Effects of aerobic exercise training on mental health and arterial stiffness in middle-aged and older adults. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, 61, 1387-1392.	0.4	1
64	PTX3 as a biomarker of lowered arterial stiffness due to weight loss in overweight and obese Japanese men. <i>Journal of Men's Health</i> , 2021, 18, 48.	0.1	1
65	Sports activities at a young age decrease hypertension risk—The <i>Fit+Fit</i> study. <i>Physiological Reports</i> , 2022, 10, .	0.7	1
66	The effects of dietary modification, aerobic exercise training, and combined dietary modification and aerobic exercise training on central and peripheral arterial stiffness in obese men. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2014, 63, 333-341.	0.0	0
67	Effects of dietary modification with weight loss on central blood pressure during oral glucose tolerance test in overweight/obese men. <i>Artery Research</i> , 2017, 20, 27.	0.3	0
68	High Aerobic Fitness And Muscular Strength Offset Aging-induced Deterioration Of Male Sexual Function. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 542.	0.2	0
69	Abstract 415: Effect of aerobic and resistance exercise on the mitochondrial peptide MOTS-c in Hispanic and non-Hispanic breast cancer survivors. , 2021, , .		0
70	Effects Of Lifestyle Modifications On Serum Testosterone Levels In Overweight And Obese Men. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1058.	0.2	0
71	Vigorous-Intensity Physical Activity May Improve Central Aortic Pressure Response to Glucose Loading in Overweight/Obese Men. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 808.	0.2	0
72	MOTS-c inhibits high-fat diet-induced muscle wasting by suppressing myostatin expression via the PTEN/AKT/FOXO1 signaling pathway. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0