Shigeho Tanaka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6670248/publications.pdf

Version: 2024-02-01

57	2,062	394421	243625
papers	citations	19 h-index	44 g-index

59	59	59	2225
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	How many steps/day are enough? for children and adolescents. International Journal of Behavioral Nutrition and Physical Activity, 2011, 8, 78.	4.6	359
2	Real-time estimation of daily physical activity intensity by a triaxial accelerometer and a gravity-removal classification algorithm. British Journal of Nutrition, 2011, 105, 1681-1691.	2.3	326
3	Classifying household and locomotive activities using a triaxial accelerometer. Gait and Posture, 2010, 31, 370-374.	1.4	274
4	Accuracy of Wearable Devices for Estimating Total Energy Expenditure. JAMA Internal Medicine, 2016, 176, 702.	5.1	159
5	Developing and Validating an Age-Independent Equation Using Multi-Frequency Bioelectrical Impedance Analysis for Estimation of Appendicular Skeletal Muscle Mass and Establishing a Cutoff for Sarcopenia. International Journal of Environmental Research and Public Health, 2017, 14, 809.	2.6	107
6	Triaxial Accelerometry for Assessment of Physical Activity in Young Children*. Obesity, 2007, 15, 1233-1241.	3.0	66
7	Accuracy of 12 Wearable Devices for Estimating Physical Activity Energy Expenditure Using a Metabolic Chamber and the Doubly Labeled Water Method: Validation Study. JMIR MHealth and UHealth, 2019, 7, e13938.	3.7	60
8	Use of Doubly Labeled Water to Validate a Physical Activity Questionnaire Developed for the Japanese Population. Journal of Epidemiology, 2011, 21, 114-121.	2.4	52
9	Evaluation of Lowâ€Intensity Physical Activity by Triaxial Accelerometry. Obesity, 2007, 15, 3031-3038.	3.0	49
10	Prediction Models Discriminating between Nonlocomotive and Locomotive Activities in Children Using a Triaxial Accelerometer with a Gravity-removal Physical Activity Classification Algorithm. PLoS ONE, 2014, 9, e94940.	2.5	49
11	Daily Physical Activity in Japanese Preschool Children Evaluated by Triaxial Accelerometry: The Relationship between Period of Engagement in Moderate-to-Vigorous Physical Activity and Daily Step Counts. Journal of Physiological Anthropology, 2009, 28, 283-288.	2.6	43
12	Validation and Comparison of 3 Accelerometers for Measuring Physical Activity Intensity During Nonlocomotive Activities and Locomotive Movements. Journal of Physical Activity and Health, 2012, 9, 935-943.	2.0	38
13	Objectively evaluated physical activity and sedentary time in primary school children by gender, grade and types of physical education lessons. BMC Public Health, 2018, 18, 948.	2.9	38
14	Seasonal changes in objectively measured sedentary behavior and physical activity in Japanese primary school children. BMC Public Health, 2016, 16, 969.	2.9	33
15	Results from the Japan's 2018 report card on physical activity for children and youth. Journal of Exercise Science and Fitness, 2019, 17, 20-25.	2.2	25
16	Locomotive and non-locomotive activities evaluated with a triaxial accelerometer in adults and elderly individuals. Aging Clinical and Experimental Research, 2013, 25, 637-643.	2.9	24
17	Activity Diary Method for Predicting Energy Expenditure as Evaluated by a Whole-Body Indirect Human Calorimeter. Journal of Nutritional Science and Vitaminology, 2003, 49, 262-269.	0.6	22
18	Estimation of daily inhalation rate in preschool children using a tri-axial accelerometer: A pilot study. Science of the Total Environment, 2011, 409, 3073-3077.	8.0	22

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19	Simultaneous Validation of Seven Physical Activity Questionnaires Used in Japanese Cohorts for Estimating Energy Expenditure: A Doubly Labeled Water Study. Journal of Epidemiology, 2018, 28, 437-442.	2.4	22
20	Results From Japanâ€™s 2016 Report Card on Physical Activity for Children and Youth. Journal of Physical Activity and Health, 2016, 13, S189-S194.	2.0	21
21	Association between objectively evaluated physical activity and sedentary behavior and screen time in primary school children. BMC Research Notes, 2017, 10, 175.	1.4	20
22	Dietary Reference Intakes for Japanese 2010: Energy. Journal of Nutritional Science and Vitaminology, 2012, 59, S26-S35.	0.6	17
23	Pedometer-determined physical activity among youth in the Tokyo Metropolitan area: a cross-sectional study. BMC Public Health, 2016, 16, 1104.	2.9	15
24	Changes in Weight, Sedentary Behaviour and Physical Activity during the School Year and Summer Vacation. International Journal of Environmental Research and Public Health, 2018, 15, 915.	2.6	15
25	Effect of diurnal variations in the carbohydrate and fat composition of meals on postprandial glycemic response in healthy adults: a novel insight for the second-meal phenomenon. American Journal of Clinical Nutrition, 2018, 108, 332-342.	4.7	15
26	Effects of Intermittent Physical Activity on Fat Utilization over a Whole Day. Medicine and Science in Sports and Exercise, 2013, 45, 1410-1418.	0.4	14
27	Associations of Physical Activity and Sedentary Time in Primary School Children with Their Parental Behaviors and Supports. International Journal of Environmental Research and Public Health, 2018, 15, 1995.	2.6	14
28	Association between 24â€hour movement guidelines and physical fitness in children. Pediatrics International, 2020, 62, 1381-1387.	0.5	13
29	Proportion of Japanese primary school children meeting recommendations for 24-h movement guidelines and associations with weight status. Obesity Research and Clinical Practice, 2020, 14, 234-240.	1.8	13
30	Status of physical activity in Japanese adults and children. Annals of Human Biology, 2019, 46, 305-310.	1.0	12
31	Validity of Physical Activity Indices for Adjusting Energy Expenditure for Body Size: Do the Indices Depend on Body Size?. Journal of Physiological Anthropology, 2010, 29, 109-117.	2.6	10
32	Validity and reproducibility of a novel method for time-course evaluation of diet-induced thermogenesis in a respiratory chamber. Physiological Reports, 2015, 3, e12410.	1.7	10
33	Validity of the Use of a Triaxial Accelerometer and a Physical Activity Questionnaire for Estimating Total Energy Expenditure and Physical Activity Level among Elderly Patients with Type 2 Diabetes Mellitus: CLEVER-DM Study. Annals of Nutrition and Metabolism, 2020, 76, 62-72.	1.9	10
34	Measurement of Energy Expenditure by Whole-body Indirect Human Calorimeter-Evaluation of Validity and Error Factors-. Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science, 2003, 56, 229-236.	0.2	10
35	Prediction of Physical Activity Intensity with Accelerometry in Young Children. International Journal of Environmental Research and Public Health, 2019, 16, 931.	2.6	9
36	Validation of Dietary Reference Intakes for predicting energy requirements in elementary school-age children. Nutrition Research and Practice, 2018, 12, 336.	1.9	8

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37	Association between age at onset of independent walking and objectively measured sedentary behavior is mediated by moderate-to-vigorous physical activity in primary school children. PLoS ONE, 2018, 13, e0204030.	2.5	8
38	Variability in school children's activity occurs in the recess and beforeâ€šschool periods. Pediatrics International, 2018, 60, 727-734.	0.5	8
39	A novel approach to calculating the thermic effect of food in a metabolic chamber. Physiological Reports, 2016, 4, e12717.	1.7	7
40	Is There a Chronic Elevation in Organ-Tissue Sleeping Metabolic Rate in Very Fit Runners?. Nutrients, 2016, 8, 196.	4.1	6
41	Association between daily step counts and physical activity level among Korean elementary schoolchildren. Journal of Exercise Nutrition & Biochemistry, 2016, 20, 51-55.	1.3	6
42	Association of Neighborhood Food Environment and Physical Activity Environment With Obesity: A Large-Scale Cross-Sectional Study of Fifth- to Ninth-Grade Children in Japan. Inquiry (United States), 2021, 58, 004695802110556.	0.9	5
43	A novel method for measuring diet-induced thermogenesis in mice. MethodsX, 2019, 6, 1950-1956.	1.6	4
44	Total energy expenditure among children with motor, intellectual, visual, and hearing disabilities: a doubly labeled water method. European Journal of Clinical Nutrition, 2021, 75, 1607-1617.	2.9	4
45	An Earlier First Meal Timing Associates with Weight Loss Effectiveness in A 12-Week Weight Loss Support Program. Nutrients, 2022, 14, 249.	4.1	4
46	The relationship between organ-tissue body composition and resting energy expenditure in prepubertal children. European Journal of Clinical Nutrition, 2019, 73, 1149-1154.	2.9	3
47	Estimating model of sedentary behavior with tri-axial accelerometer in elementary school children. The Journal of Physical Fitness and Sports Medicine, 2021, 10, 119-126.	0.3	3
48	Possible association of high-density lipoprotein cholesterol levels with trunk muscle deficits and decrease in energy expenditure in patients with or at risk for COPD: A pilot study. Respiratory Investigation, 2022, 60, 720-724.	1.8	3
49	Impact of walking aids on estimating physical activity using a tri-axial accelerometer in frail older adults. BMJ Open Sport and Exercise Medicine, 2021, 7, e001014.	2.9	2
50	Association of Day-to-Day Variations in Physical Activity with Postprandial Appetite Regulation in Lean Young Males. Nutrients, 2019, 11, 2267.	4.1	1
51	The Relationship between Changes in Organ-Tissue Mass and Sleeping Energy Expenditure Following Weight Change in College Sumo Wrestlers. Medicina (Lithuania), 2020, 56, 536.	2.0	1
52	Compliance with a physical activity guideline among junior high school students. Pediatrics International, 2021, 63, 1514-1520.	0.5	1
53	Evaluation of energy intake by brief-type self-administered diet history questionnaire among male patients with stable/at risk for chronic obstructive pulmonary disease. BMJ Open Respiratory Research, 2021, 8, e000807.	3.0	1
54	Determinants and prediction methods of total energy expenditure â€“ efforts at National Institute of Health and Nutrition in Japan â€“. Japanese Journal of Physical Fitness and Sports Medicine, 2018, 67, 373-379.	0.0	0

#	Article	IF	Citations
55	The Japanese Journal of Nutrition and Dietetics Special Issue on 100 yearsâ€™ History and Perspective of National Institute of Health and Nutrition, Japan. The Japanese Journal of Nutrition and Dietetics, 2020, 78, S2-S4.	0.1	0
56	History of Studies on Energy Requirements and Anthropometry in Japanese at the National Institute of Health and Nutrition. The Japanese Journal of Nutrition and Dietetics, 2020, 78, S71-S79.	0.1	0
57	Comparison of daily step counts by pedometers under freeâ€'living conditions in young children. Japan Journal of Human Growth and Development Research, 2022, 2022, 12-21.	0.1	0