

Karsten Koehler

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,032
citations

304368

22
h-index

253896

43
g-index

88
all docs

88
docs citations

88
times ranked

2391
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutritional supplements cross-contaminated and faked with doping substances. <i>Journal of Mass Spectrometry</i> , 2008, 43, 892-902.	0.7	319
2	Dietary Supplement Use among Elite Young German Athletes. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2009, 19, 97-109.	1.0	170
3	Dietary Factors Promoting Brown and Beige Fat Development and Thermogenesis. <i>Advances in Nutrition</i> , 2017, 8, 473-483.	2.9	140
4	Low energy availability in exercising men is associated with reduced leptin and insulin but not with changes in other metabolic hormones. <i>Journal of Sports Sciences</i> , 2016, 34, 1921-1929.	1.0	109
5	Effect of a controlled dietary change on carbon and nitrogen stable isotope ratios of human hair. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2448-2454.	0.7	87
6	Effects of 5 Weeks of High-Intensity Interval Training vs. Volume Training in 14-Year-Old Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 1271-1278.	1.0	79
7	Low energy availability: history, definition and evidence of its endocrine, metabolic and physiological effects in prospective studies in females and males. <i>European Journal of Applied Physiology</i> , 2021, 121, 1-21.	1.2	79
8	Iron status in elite young athletes: gender-dependent influences of diet and exercise. <i>European Journal of Applied Physiology</i> , 2012, 112, 513-523.	1.2	72
9	Misunderstanding the Female Athlete Triad: Refuting the IOC Consensus Statement on Relative Energy Deficiency in Sport (RED-S). <i>British Journal of Sports Medicine</i> , 2014, 48, 1461-1465.	3.1	67
10	Assessing Energy Expenditure in Male Endurance Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 1328-1333.	0.2	61
11	Wrist-Worn Wearables for Monitoring Heart Rate and Energy Expenditure While Sitting or Performing Light-to-Vigorous Physical Activity: Validation Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e16716.	1.8	58
12	Human dietary $\hat{1}^{15}\text{N}$ intake: Representative data for principle food items. <i>American Journal of Physical Anthropology</i> , 2013, 152, 58-66.	2.1	49
13	Comparison of self-reported energy availability and metabolic hormones to assess adequacy of dietary energy intake in young elite athletes. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 725-733.	0.9	48
14	Clenbuterol marketed as dietary supplement. <i>Biomedical Chromatography</i> , 2008, 22, 298-300.	0.8	46
15	Adaptive thermogenesis by dietary n-3 polyunsaturated fatty acids: Emerging evidence and mechanisms. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 59-70.	1.2	40
16	Association Between Energy Balance and Metabolic Hormone Suppression During Ultraendurance Exercise. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 984-989.	1.1	36
17	High amounts of 17-methylated anabolic-androgenic steroids in effervescent tablets on the dietary supplement market. <i>Biomedical Chromatography</i> , 2007, 21, 164-168.	0.8	35
18	Low resting metabolic rate in exercise-associated amenorrhea is not due to a reduced proportion of highly active metabolic tissue compartments. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E480-E487.	1.8	35

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19	Less-than-expected weight loss in normal-weight women undergoing caloric restriction and exercise is accompanied by preservation of fat-free mass and metabolic adaptations. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 365-371.	1.3	29
20	Cardiorespiratory Fitness Is Associated with Better Executive Function in Young Women. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1994-2002.	0.2	26
21	Monitoring Energy Expenditure Using a Multi-Sensor Device—Applications and Limitations of the SenseWear Armband in Athletic Populations. <i>Frontiers in Physiology</i> , 2017, 8, 983.	1.3	24
22	Serum testosterone and urinary excretion of steroid hormone metabolites after administration of a high-dose zinc supplement. <i>European Journal of Clinical Nutrition</i> , 2009, 63, 65-70.	1.3	23
23	Table Tennis: Cardiorespiratory and Metabolic Analysis of Match and Exercise in Elite Junior National Players. <i>International Journal of Sports Physiology and Performance</i> , 2011, 6, 234-242.	1.1	22
24	Integrated Role of Nutrition and Physical Activity for Lifelong Health. <i>Nutrients</i> , 2019, 11, 1437.	1.7	22
25	Combined Iron Deficiency and Low Aerobic Fitness Doubly Burden Academic Performance among Women Attending University. <i>Journal of Nutrition</i> , 2017, 147, 104-109.	1.3	21
26	Energy deficiency impairs resistance training gains in lean mass but not strength: A meta-analysis and meta-regression. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 125-137.	1.3	20
27	Parallel assessment of nutrition and activity in athletes: Validation against doubly labelled water, 24-h urea excretion, and indirect calorimetry. <i>Journal of Sports Sciences</i> , 2010, 28, 1435-1449.	1.0	19
28	Caloric restriction induces anabolic resistance to resistance exercise. <i>European Journal of Applied Physiology</i> , 2020, 120, 1155-1164.	1.2	16
29	Carbohydrate Intake in Form of Gel Is Associated With Increased Gastrointestinal Distress but Not With Performance Differences Compared With Liquid Carbohydrate Ingestion During Simulated Long-Distance Triathlon. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2016, 26, 114-122.	1.0	14
30	Is Exercise a Match for Cold Exposure? Common Molecular Framework for Adipose Tissue Browning. <i>International Journal of Sports Medicine</i> , 2020, 41, 427-442.	0.8	14
31	Urinary excretion of exogenous glycerol administration at rest. <i>Drug Testing and Analysis</i> , 2011, 3, 877-882.	1.6	13
32	Meta-analysis: Effects of glycerol administration on plasma volume, haemoglobin, and haematocrit. <i>Drug Testing and Analysis</i> , 2013, 5, 896-899.	1.6	13
33	Glycerol administration before endurance exercise: metabolism, urinary glycerol excretion and effects on doping-relevant blood parameters. <i>Drug Testing and Analysis</i> , 2014, 6, 202-209.	1.6	13
34	Energy Balance, Macronutrient Intake, and Hydration Status During a 1,230 km Ultra-Endurance Bike Marathon. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2014, 24, 497-506.	1.0	12
35	Current and past menstrual status is an important determinant of femoral neck geometry in exercising women. <i>Bone</i> , 2016, 88, 101-112.	1.4	12
36	Risk of Low Energy Availability, Disordered Eating, Exercise Addiction, and Food Intolerances in Female Endurance Athletes. <i>Frontiers in Sports and Active Living</i> , 2022, 4, 869594.	0.9	12

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37	Evaluation of two portable sensors for energy expenditure assessment during high-intensity running. <i>European Journal of Sport Science</i> , 2013, 13, 31-41.	1.4	11
38	Differential relationship between physical activity and intake of added sugar and nutrient-dense foods: A cross-sectional analysis. <i>Appetite</i> , 2019, 140, 91-97.	1.8	11
39	High Prevalence of Poor Iron Status Among 8- to 16-Year-Old Youth Athletes: Interactions Among Biomarkers of Iron, Dietary Intakes, and Biological Maturity. <i>Journal of the American College of Nutrition</i> , 2020, 39, 155-162.	1.1	11
40	Effects of Glycerol and Creatine Hyperhydration on Doping-Relevant Blood Parameters. <i>Nutrients</i> , 2012, 4, 1171-1186.	1.7	10
41	Exercise and the Timing of Snack Choice: Healthy Snack Choice is Reduced in the Post-Exercise State. <i>Nutrients</i> , 2018, 10, 1941.	1.7	10
42	Impact of Dietary Modifications on Plasma Sirtuins 1, 3 and 5 in Older Overweight Individuals Undergoing 12-Weeks of Circuit Training. <i>Nutrients</i> , 2021, 13, 3824.	1.7	10
43	The Effects of Exercise on Appetite in Older Adults: A Systematic Review and Meta-Analysis. <i>Frontiers in Nutrition</i> , 2021, 8, 734267.	1.6	10
44	Tissue losses and metabolic adaptations both contribute to the reduction in resting metabolic rate following weight loss. <i>International Journal of Obesity</i> , 2022, 46, 1168-1175.	1.6	10
45	Case Study: Simulated and Real-Life Energy Expenditure During a 3-Week Expedition. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2011, 21, 520-526.	1.0	9
46	Energy Expenditure in Adolescents With Cerebral Palsy: Comparison of the SenseWear Armband and Indirect Calorimetry. <i>Journal of Physical Activity and Health</i> , 2015, 12, 540-545.	1.0	9
47	Validity of plasma collection cards for ferritin assessment—A proof-of-concept study. <i>European Journal of Haematology</i> , 2020, 104, 554-561.	1.1	8
48	Reductions in urinary collection frequency for assessment of reproductive hormones provide physiologically representative exposure and mean concentrations when compared with daily collection. <i>American Journal of Human Biology</i> , 2015, 27, 358-371.	0.8	7
49	One step at a time: Physical activity is linked to positive interpretations of ambiguity. <i>PLoS ONE</i> , 2019, 14, e0225106.	1.1	7
50	Low Energy Availability with and without a High-Protein Diet Suppresses Bone Formation and Increases Bone Resorption in Men: A Randomized Controlled Pilot Study. <i>Nutrients</i> , 2021, 13, 802.	1.7	6
51	The Skeletal Muscle Response to Energy Deficiency: A Life History Perspective. <i>Adaptive Human Behavior and Physiology</i> , 2022, 8, 114-129.	0.6	6
52	Prediction of human dietary $\delta^{15}\text{N}$ intake from standardised food records: validity and precision of single meal and 24-h diet data. <i>Isotopes in Environmental and Health Studies</i> , 2017, 53, 356-367.	0.5	5
53	Case Study: Hydration Intervention Improves Pre-game Hydration Status in Female Collegiate Soccer Players. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2017, 27, 475-481.	1.0	4
54	Do we excrete what we eat? Analysis of stable nitrogen isotope ratios of human urinary urea. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1221-1227.	0.7	4

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55	Sex-specific relationships among iron status biomarkers, athletic performance, maturity, and dietary intakes in pre-adolescent and adolescent athletes. <i>Journal of the International Society of Sports Nutrition</i> , 2019, 16, 42.	1.7	4
56	Relation of aerobic fitness, eating behavior and physical activity to body composition in college-age women: A path analysis. <i>Journal of American College Health</i> , 2021, 69, 30-37.	0.8	4
57	Meat Products as Potential Doping Traps?. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2008, 18, 539-542.	1.0	3
58	The Impact of Low Energy Availability on Nonexercise Activity Thermogenesis and Physical Activity Behavior in Recreationally Trained Adults. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2021, 31, 329-336.	1.0	3
59	High Energetic Demand of Elite Rowing – Implications for Training and Nutrition. <i>Frontiers in Physiology</i> , 2022, 13, 829757.	1.3	3
60	Comparison Of Two Portable Devices For Assessing Energy Expenditure During High-intensity Running. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 433.	0.2	2
61	An overview of assessment methodology for obesity-related variables in infants at risk. <i>Nutrition and Health</i> , 2018, 24, 47-59.	0.6	2
62	Exercise Shifts Hypothetical Food Choices toward Greater Amounts and More Immediate Consumption. <i>Nutrients</i> , 2021, 13, 347.	1.7	2
63	Exercise Associated Menstrual Disturbances Are Less Likely With Increasing Gynecological Age. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1.	0.2	1
64	Nutrition for Marathon Running. , 2016, , 47-67.		1
65	Nutrition for Ultraendurance Exercise. , 2019, , 521-531.		1
66	Effects of Heavy Exercise and Restricted Diet Regimes on Nitrogen Balance and Body Composition. , 0, , .		1
67	Increased Protein Intake Prevents Elevations in Sclerostin during Short-term Diet- and Exercise-induced Weight Loss. <i>FASEB Journal</i> , 2019, 33, 702.1.	0.2	1
68	Case Study: Improving Energy Status in a Wheelchair Athlete With Suppressed Resting Energy Expenditure. <i>International Journal of Sports Physiology and Performance</i> , 2022, 17, 1151-1154.	1.1	1
69	Urinary Excretion Of Exogenous Glycerol Administered Before Endurance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 851-852.	0.2	0
70	Cumulative Menstrual Status is an Important Determinant of Femoral Neck Geometry in Exercising Women. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 491.	0.2	0
71	Exercise Preserves Fat-free Mass, Submaximal Performance, And Well-being During Short-term Energy Deficiency. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1027.	0.2	0
72	Exercise Shifts Food Choices Towards Greater and More Immediate Food Consumption (OR08-05-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz050.OR08-05-19.	0.1	0

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73	The Impact of Prescribed Exercise and Short-Term Caloric Restriction on Moderate-to-Vigorous Physical Activity (P08-011-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz044.P08-011-19.	0.1	0
74	Predictors of Weight Loss During a Controlled Diet and Exercise Intervention in Normal-Weight Women. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 855.	0.2	0
75	A 1,230-km Bike Marathon is Associated with Alterations in Key Metabolic Hormones and Metabolites. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 560.	0.2	0
76	Low Resting Metabolic Rate in Exercise-Associated Amenorrhea is not Due to a Reduced Proportion of Energetically Expensive Tissue Compartments. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1084.	0.2	0
77	Differential Relationship between Habitual Physical Activity and Consumption of Key Dietary Factors. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 323.	0.2	0
78	Modulating Weight Loss and Regain through Exercise and Dietary Protein. <i>Diabetes</i> , 2017, 3, 13.	0.1	0
79	Relationship between Body Composition and Health Behaviors in High and Low Fit College Women. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 74-75.	0.2	0
80	Contribution of Changes in Body Composition and Adaptive Thermogenesis to the Decline in Resting Metabolic Rate During Prolonged Calorie-Restricted Weight Loss. <i>FASEB Journal</i> , 2019, 33, 699.2.	0.2	0
81	Energy deficiency and nutrition in endurance sports – focus on rowing. <i>Deutsche Zeitschrift Fur Sportmedizin</i> , 2020, 71, 5-10.	0.2	0
82	Editorial: Understanding the Interaction Between Physical Activity and Diet for the Promotion of Health and Fitness. <i>Frontiers in Nutrition</i> , 2021, 8, 835535.	1.6	0