Bareket Falk

List of Publications by Year
in descending order

140 papers	3,010 citations	172457 29 h-index	206112 48 g-index
142 all docs	142 docs citations	142 times ranked	2614 citing authors

#	Article	IF	Citations
1	Sclerostin and bone turnover markers response to cycling and running at the same moderate-to-vigorous exercise intensity in healthy men. Journal of Endocrinological Investigation, 2022, 45, 391-397.	3.3	12
2	Intensified training in adolescent female athletes: a crossover study of Greek yogurt effects on indices of recovery. Journal of the International Society of Sports Nutrition, 2022, 19, 17-33.	3.9	5
3	Increase in Volitional Muscle Activation from Childhood to Adulthood: A Systematic Review and Meta-analysis. Medicine and Science in Sports and Exercise, 2022, 54, 789-799.	0.4	8
4	Bone Turnover Markers and Osteokines in Adolescent Female Athletes of High- and Low-Impact Sports Compared With Nonathletic Controls. Pediatric Exercise Science, 2022, , 1-7.	1.0	1
5	The effect of acute low-load resistance exercise with the addition of blood flow occlusion on muscle function in boys and men. European Journal of Applied Physiology, 2021, 121, 2177-2185.	2.5	1
6	Neutral Effect of Increased Dairy Product Intake, as Part of a Lifestyle Modification Program, on Cardiometabolic Health in Adolescent Girls With Overweight/Obesity: A Secondary Analysis From a Randomized Controlled Trial. Frontiers in Nutrition, 2021, 8, 673589.	3.7	6
7	Cytokine concentrations in saliva vs. plasma at rest and in response to intense exercise in adolescent athletes. Annals of Human Biology, 2021, 48, 389-392.	1.0	7
8	Circulating Levels of Bone Markers after Short-Term Intense Training with Increased Dairy Consumption in Adolescent Female Athletes. Children, 2021, 8, 961.	1.5	3
9	Skin Blood Flow Responses to Acetylcholine, Local Heating, and to 60% VO2max exercise with and without Nitric Oxide inhibition, in Boys vs. Girls. Pediatric Exercise Science, 2021, , 1-9.	1.0	0
10	Comparison of laser speckle contrast imaging and laser-Doppler fluxmetry in boys and men. Microvascular Research, 2020, 128, 103927.	2.5	5
11	The skin blood flow response to exercise in boys and men and the role of nitric oxide. European Journal of Applied Physiology, 2020, 120, 753-762.	2.5	8
12	Changes in Inflammatory Cytokines and Irisin in Response to High Intensity Swimming in Adolescent versus Adult Male Swimmers. Sports, 2020, 8, 157.	1.7	6
13	Osteokines and Bone Markers at Rest and following Plyometric Exercise in Pre- and Postmenopausal Women. BioMed Research International, 2020, 2020, 1-10.	1.9	9
14	Effects of Post-Exercise Whey Protein Consumption on Recovery Indices in Adolescent Swimmers. International Journal of Environmental Research and Public Health, 2020, 17, 7761.	2.6	14
15	Isometric-based EMG threshold in girls and women. European Journal of Applied Physiology, 2020, 120, 907-914.	2.5	7
16	Increased dairy product consumption as part of a diet and exercise weight management program improves body composition in adolescent females with overweight and obesityâ€"A randomized controlled trial. Pediatric Obesity, 2020, 15, e12690.	2.8	12
17	Dairy product intake decreases bone resorption following a 12-week diet and exercise intervention in overweight and obese adolescent girls. Pediatric Research, 2020, 88, 910-916.	2.3	16
18	Effects of post exercise protein supplementation on markers of bone turnover in adolescent swimmers. Journal of the International Society of Sports Nutrition, 2020, 17, 20.	3.9	11

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19	Salivary and Serum Concentrations of Cortisol and Testosterone at Rest and in Response to Intense Exercise in Boys Versus Men. Pediatric Exercise Science, 2020, 32, 65-72.	1.0	7
20	Sex Differences In Microvascular Function In Pre-pubertal Children. Medicine and Science in Sports and Exercise, 2020, 52, 235-235.	0.4	0
21	First-year university is associated with greater body weight, body composition and adverse dietary changes in males than females. PLoS ONE, 2019, 14, e0218554.	2.5	49
22	Isometric-based test improves EMG-threshold determination in boys vs. men. European Journal of Applied Physiology, 2019, 119, 1971-1979.	2.5	8
23	Effects of High-Intensity Interval Running Versus Cycling on Sclerostin, and Markers of Bone Turnover and Oxidative Stress in Young Men. Calcified Tissue International, 2019, 104, 582-590.	3.1	30
24	Comparison of different wheelchair seating on thermoregulation and perceptual responses in thermoneutral and hot conditions in children. Journal of Tissue Viability, 2019, 28, 144-151.	2.0	3
25	Expertâ€™s Choice: 2018â€™s Most Exciting Research in the Field of Pediatric Exercise Science. Pediatric Exercise Science, 2019, 31, 1-27.	1.0	11
26	Cytokine and Sclerostin Response to High-Intensity Interval Running versus Cycling. Medicine and Science in Sports and Exercise, 2019, 51, 2458-2464.	0.4	22
27	Measurement and Interpretation of Maximal Aerobic Power in Children. Pediatric Exercise Science, 2019, 31, 144-151.	1.0	15
28	The Effect of Running Vs Cycling on Bone Markers Response. Medicine and Science in Sports and Exercise, 2019, 51, 756-756.	0.4	0
29	The Safety of Resistance Training in Childrenâ€"What Do We Really Know!. Pediatric Exercise Science, 2019, 31, 265-266.	1.0	0
30	Bone and Inflammatory Responses to Training in Female Rowers over an Olympic Year. Medicine and Science in Sports and Exercise, 2018, 50, 1810-1817.	0.4	18
31	The Year That Was 2017: Highlights in Pediatric Exercise Research. Pediatric Exercise Science, 2018, 30, 11.	1.0	0
32	Effects of Plyometric and Resistance Training on Muscle Strength, Explosiveness, and Neuromuscular Function in Young Adolescent Soccer Players. Journal of Strength and Conditioning Research, 2018, 32, 3039-3050.	2.1	35
33	A Brief History of Pediatric Exercise Physiology. Pediatric Exercise Science, 2018, 30, 1-10.	1.0	14
34	Wnt Signalingâ€"Related Osteokines at Rest and Following Plyometric Exercise in Prepubertal and Early Pubertal Boys and Girls. Pediatric Exercise Science, 2018, 30, 457-465.	1.0	12
35	Elevation in Sclerostin After Exercise: Is It Affected by Age and Sex?. Calcified Tissue International, 2018, 102, 380-381.	3.1	3
36	Response of Sclerostin and Bone Turnover Markers to High Intensity Interval Exercise in Young Women: Does Impact Matter?. BioMed Research International, 2018, 2018, 1-8.	1.9	32

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37	The Tom Rowland Series: A Forum Exploring New Challenges Facing Pediatric Exercise Scienceâ€”2018. Pediatric Exercise Science, 2018, 30, 441.	1.0	0
38	Effect of passive heat exposure on cardiac autonomic function in healthy children. European Journal of Applied Physiology, 2018, 118, 2233-2240.	2.5	4
39	Cutaneous vasomotor responses in boys and men. Applied Physiology, Nutrition and Metabolism, 2018, 43, 1019-1026.	1.9	9
40	Mechanical, biochemical, and dietary determinants of the functional model of bone development of the radius in children and adolescents. Applied Physiology, Nutrition and Metabolism, 2017, 42, 780-787.	1.9	1
41	Isometric and dynamic strength and neuromuscular attributes as predictors of vertical jump performance in 11- to 13-year-old male athletes. Applied Physiology, Nutrition and Metabolism, 2017, 42, 924-930.	1.9	10
42	Comment on: â€œAre Prepubertal Children Metabolically Comparable to Well-Trained Adult Endurance Athletes?â€ Sports Medicine, 2017, 47, 1903-1905.	6.5	2
43	The Tom Rowland Series: A Forum Exploring New Challenges facing Pediatric Exercise Science. Pediatric Exercise Science, 2017, 29, 169.	1.0	0
44	An Active Child is a Healthy Child. Pediatric Exercise Science, 2017, 29, 1-2.	1.0	2
45	Wnt Signalingâ€“Related Osteokines and Transforming Growth Factors Before and After a Single Bout of Plyometric Exercise in Child and Adolescent Females. Pediatric Exercise Science, 2017, 29, 504-512.	1.0	24
46	The Electromyographic Threshold in Girls and Women. Pediatric Exercise Science, 2017, 29, 84-93.	1.0	16
47	Pediatric Exercise Testing: Value and Implications of Peak Oxygen Uptake. Children, 2017, 4, 6.	1.5	15
48	Salivary cortisol and testosterone responses to resistance and plyometric exercise in 12- to 14-year-old boys. Applied Physiology, Nutrition and Metabolism, 2016, 41, 714-718.	1.9	9
49	Muscle Strength and Resistance Training in Youthâ€”Do They Affect Cardiovascular Health?. Pediatric Exercise Science, 2016, 28, 11-15.	1.0	5
50	Editorâ€™s Notesâ€”February 2016. Pediatric Exercise Science, 2016, 28, 1-2.	1.0	0
51	Exercise and the Healthy Child: Is There Anything More We Need to Know?. Pediatric Exercise Science, 2016, 28, 165-166.	1.0	1
52	Torque-onset determination: Unintended consequences of the threshold method. Journal of Electromyography and Kinesiology, 2016, 31, 7-13.	1.7	4
53	Differential sclerostin and parathyroid hormone response to exercise in boys and men. Osteoporosis International, 2016, 27, 1245-1249.	3.1	43
54	Resistance Training in Children. Pediatric Exercise Science, 2015, 27, 13-17.	1.0	3

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55	CAN-flip: A Pilot Gymnastics Program for Children With Cerebral Palsy. Adapted Physical Activity Quarterly, 2015, 32, 349-370.	0.8	14
56	The Year That Wasâ€"Commentaries. Pediatric Exercise Science, 2015, 27, 1-2.	1.0	0
57	Differential Sclerostin Response To A Plyometric Exercise Session In Boys And Men. Medicine and Science in Sports and Exercise, 2015, 47, 617.	0.4	0
58	Does bracing affect bone health in women with adolescent idiopathic scoliosis?. Scoliosis, 2015, 10, 5.	0.4	9
59	The electromyographic threshold in boys and men. European Journal of Applied Physiology, 2015, 115, 1273-1281.	2.5	32
60	Discussion: â€œThe kinetics of blood lactate in boys during and following a single and repeated all-out sprints of cycling are different than in menâ€•â€" Do children indeed release and remove lactate faster than adults?. Applied Physiology, Nutrition and Metabolism, 2015, 40, 632-633.	1.9	5
61	Effects of plyometric exercise session on markers of bone turnover in boys and young men. European Journal of Applied Physiology, 2015, 115, 2115-2124.	2.5	51
62	Adolescent idiopathic scoliosis: the possible harm of bracing and the likely benefit of exercise. Spine Journal, 2015, 15, 209-210.	1.3	8
63	Adolescent idiopathic scoliosis: the possible harm of bracing and the likely benefit of exercise. Spine Journal, 2015, 15, 1169-1171.	1.3	9
64	The Clinical Translation Gap in Child Health Exercise Research: A Call for Disruptive Innovation. Clinical and Translational Science, 2015, 8, 67-76.	3.1	16
65	Endocrine Response to Resistance Training in Children. Pediatric Exercise Science, 2014, 26, 404-422.	1.0	13
66	Markers of Biological Stress and Mucosal Immunity during a Week Leading to Competition in Adolescent Swimmers. Journal of Immunology Research, 2014, 2014, 1-7.	2.2	14
67	Effects of a Plyometric Exercise Session on Markers of Bone Turnover in Boys and Men. Medicine and Science in Sports and Exercise, 2014, 46, 35.	0.4	0
68	We Have Grown. Pediatric Exercise Science, 2014, 26, 1-2.	1.0	4
69	Childâ€"adult differences in the kinetics of torque development. Journal of Sports Sciences, 2013, 31, 945-953.	2.0	24
70	Explosive sport training and torque kinetics in children. Applied Physiology, Nutrition and Metabolism, 2013, 38, 740-745.	1.9	16
71	The effect of adiposity on the relationship between indicators of maturity in peri-pubertal children. Annals of Human Biology, 2013, 40, 70-74.	1.0	2
72	The Year That Was, the Year Ahead. Pediatric Exercise Science, 2013, 25, 1-2.	1.0	0

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73	Who Cares About Muscle Strength?. Pediatric Exercise Science, 2013, 25, 329-331.	1.0	0
74	Pediatric Exercise Science: Back to the Future. Pediatric Exercise Science, 2013, 25, 505-507.	1.0	0
75	Fitness, Fatness, and Metformin. Medicine and Science in Sports and Exercise, 2012, 44, 2253.	0.4	0
76	Childâ€"Adult Differences in Muscle Activation â€" A Review. Pediatric Exercise Science, 2012, 24, 2-21.	1.0	155
77	Pediatric Exercise Science: Passing the Baton. Pediatric Exercise Science, 2012, 24, 329-331.	1.0	0
78	Factors associated with bone turnover and speed of sound in early and late-pubertal females. Applied Physiology, Nutrition and Metabolism, 2011, 36, 707-714.	1.9	9
79	Commentaries on Viewpoint: Can muscle size fully account for strength differences between children and adults?. Journal of Applied Physiology, 2011, 110, 1750-1753.	2.5	7
80	Bone Speed of Sound and Physical Activity Levels of Overweight and Normal-Weight Girls and Adolescents. Pediatric Exercise Science, 2011, 23, 25-35.	1.0	6
81	Rate of Muscle Activation in Power-and Endurance-Trained Boys. International Journal of Sports Physiology and Performance, 2011, 6, 94-105.	2.3	28
82	Temperature Regulation and Elite Young Athletes. Medicine and Sport Science, 2011, 56, 126-149.	1.4	21
83	Task-Specific Sex Differences in Muscle Fatigue. Exercise and Sport Sciences Reviews, 2010, 38, 36.	3.0	3
84	Bone Speed of Sound, Bone Turnover and IGF-I in Adolescent Synchronized Swimmers. Pediatric Exercise Science, 2010, 22, 421-430.	1.0	8
85	Bone properties in child and adolescent male hockey and soccer players. Journal of Science and Medicine in Sport, 2010, 13, 387-391.	1.3	19
86	Correlates of Mucosal Immunity and Upper Respiratory Tract Infections in Girls. Journal of Pediatric Endocrinology and Metabolism, 2010, 23, 579-87.	0.9	11
87	Do neuromuscular adaptations occur in endurance-trained boys and men?. Applied Physiology, Nutrition and Metabolism, 2010, 35, 471-479.	1.9	31
88	Commentaries on Viewpoint: Do oxidative and anaerobic energy production in exercising muscle change throughout growth and maturation?. Journal of Applied Physiology, 2010, 109, 1565-1566.	2.5	4
89	Maturity status in male child and adolescent athletes. Journal of Sports Medicine and Physical Fitness, 2010, 50, 486-93.	0.7	6
90	Childâ€"adult differences in muscle strength and activation pattern during isometric elbow flexion and extension. Applied Physiology, Nutrition and Metabolism, 2009, 34, 609-615.	1.9	66

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91	Physical activity participation and bleeding characteristics in young patients with severe haemophilia. Haemophilia, 2009, 15, 695-700.	2.1	38
92	Muscle Strength and Contractile Kinetics of Isometric Elbow Flexion in Girls and Women. Pediatric Exercise Science, 2009, 21, 354-364.	1.0	21
93	Childrenâ€™s thermoregulation during exercise in the heatÂâ€” a revisit. Applied Physiology, Nutrition and Metabolism, 2008, 33, 420-427.	1.9	105
94	Bone Properties in Overweight Pre- and Early-Pubertal Boys. Pediatric Exercise Science, 2008, 20, 50-61.	1.0	14
95	The Effect of Aerobic Exercise on Neutrophil Functions. Medicine and Science in Sports and Exercise, 2008, 40, 1623-1628.	0.4	15
96	A Cumulative Effect of Physical Training on Bone Strength in Males. International Journal of Sports Medicine, 2007, 28, 449-455.	1.7	21
97	The effect of pre-test carbohydrate ingestion on the anaerobic threshold, as determined by the lactate-minimum test. Applied Physiology, Nutrition and Metabolism, 2007, 32, 1058-1064.	1.9	11
98	ACCURACY IN A VOLLEYBALL SERVICE TEST IN RESTED AND PHYSICAL EXERTION CONDITIONS IN ELITE AND NEAR-ELITE ADOLESCENT PLAYERS. Journal of Strength and Conditioning Research, 2007, 21, 937-942.	2.1	0
99	Daily calcium intake in male children and adolescents obtained from the rapid assessment method and the 24-hour recall method. Nutrition Journal, 2007, 6, 24.	3.4	15
100	Daily Physical Activity and Perception of Condition Severity Among Male and Female Adolescents With Congenital Heart Malformation. Journal of Pediatric Nursing, 2006, 21, 244-249.	1.5	18
101	Child-Adult Differences in the Recovery from High-Intensity Exercise. Exercise and Sport Sciences Reviews, 2006, 34, 107-112.	3.0	103
102	Effect of low altitude at the Dead Sea on exercise capacity and cardiopulmonary response to exercise in cystic fibrosis patients with moderate to severe lung disease. Pediatric Pulmonology, 2006, 41, 234-241.	2.0	19
103	Bone properties and muscle strength of young haemophilia patients. Haemophilia, 2005, 11, 380-386.	2.1	51
104	Effect of lycopene supplementation on lung function after exercise in young athletes who complain of exercise-induced bronchoconstriction symptoms. Annals of Allergy, Asthma and Immunology, 2005, 94, 480-485.	1.0	25
105	CF Patients?? Response To Exercise At Low Altitude (the Dead Sea). Medicine and Science in Sports and Exercise, 2005, 37, S438.	0.4	0
106	Transient decrease of neutrophil chemotaxis following aerobic exercise. Medicine and Science in Sports and Exercise, 2005, 37, 949-54.	0.4	17
107	Talent identification and early development of elite water-polo players: a 2-year follow-up study. Journal of Sports Sciences, 2004, 22, 347-355.	2.0	110
108	Higher tibial quantitative ultrasound in young female swimmers. British Journal of Sports Medicine, 2004, 38, 461-465.	6.7	19

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109	Blood Lactate Disappearance Dynamics in Boys and Men Following Exercise of Similar and Dissimilar Peak-Lactate Concentrations. Journal of Pediatric Endocrinology and Metabolism, 2003, 16, 419-29.	0.9	53
110	Quantitative Ultrasound of the Tibia and Radius in Prepubertal and Early-Pubertal Female Athletes. JAMA Pediatrics, 2003, 157, 139.	3.0	33
111	Resistance training, skeletal muscle and growth. Pediatric Endocrinology Reviews, 2003, 1, 120-7.	1.2	32
112	The Association Between Adiposity and the Response to Resistance Training Among Pre- and Early-Pubertal Boys. Journal of Pediatric Endocrinology and Metabolism, 2002, 15, 597-606.	0.9	26
113	The effect of resistance training on the frequency of bleeding in haemophilia patients: a pilot study. Haemophilia, 2002, 8, 22-27.	2.1	83
114	The Effect of Long-Term Resistance Training on Anthropometric Measures, Muscle Strength, and Self Concept in Pre-Pubertal Boys. Pediatric Exercise Science, 2001, 13, 357-372.	1.0	33
115	Tracking of physical fitness components in boys and girls from the second to sixth grades. American Journal of Human Biology, 2001, 13, 65-70.	1.6	24
116	Iron Status of Highly Active Adolescents: Evidence of Depleted Iron Stores in Gymnasts. International Journal of Sport Nutrition and Exercise Metabolism, 2000, 10, 62-70.	2.1	52
117	Anaerobic power and muscle strength in young hemophilia patients. Medicine and Science in Sports and Exercise, 2000, 32, 52.	0.4	65
118	Quantitative Ultrasound (QUS) of the Tibia: A Sensitive Tool for the Detection of Bone Changes in Growing Boys. Journal of Pediatric Endocrinology and Metabolism, 2000, 13, 1129-35.	0.9	10
119	Neutrophil function response to aerobic and anaerobic exercise in female judoka and untrained subjects. British Journal of Sports Medicine, 2000, 34, 23-27.	6.7	29
120	Effects of Thermal Stress During Rest and Exercise in the Paediatric Population. Sports Medicine, 1998, 25, 221-240.	6.5	136
121	The Effect of Heat Exposure on Performance of and Recovery from High-Intensity, Intermittent Exercise. International Journal of Sports Medicine, 1998, 19, 1-6.	1.7	47
122	Aspects of leukocyte function and the complement system following aeeorbic exercise in young female gymnasts*. Scandinavian Journal of Medicine and Science in Sports, 1998, 8, 91-97.	2.9	31
123	Reliability of peak-lactate, heart rate, and plasma volume following the Wingate test. Medicine and Science in Sports and Exercise, 1998, 30, 1456-1460.	0.4	38
124	Reliability of peak-lactate, heart rate, and plasma volume following the Wingate test. Medicine and Science in Sports and Exercise, 1998, 30, 1456-1460.	0.4	24
125	Changes in plasma volume following intense intermittent exercise in neutral and hot environmental conditions. Journal of Sports Medicine and Physical Fitness, 1998, 38, 24-9.	0.7	3
126	Cellular and Humoral Immune Response to Exercise Among Gymnasts and Untrained Girls. International Journal of Sports Medicine, 1997, 18, 208-212.	1.7	53

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127	Physiological and cognitive responses to cold exposure in 11â€“12-year-old boys. American Journal of Human Biology, 1997, 9, 39-49.	1.6	4
128	The Effectiveness of Resistance Training in Children. Sports Medicine, 1996, 22, 176-186.	6.5	127
129	A treadmill test of sprint running. Scandinavian Journal of Medicine and Science in Sports, 1996, 6, 259-264.	2.9	35
130	Effect of Continuous and Intermittent Exercise on Energy Expenditure and on the Cardiorespiratory Response. Perceptual and Motor Skills, 1995, 80, 64-66.	1.3	1
131	Blood Lactate Concentration Following Exercise: Effects of Heat Exposure and of Active Recovery in Heat-Acclimatized Subjects. International Journal of Sports Medicine, 1995, 16, 7-12.	1.7	12
132	The psycho-physiological response to parachuting among novice and experienced parachutists. Aviation, Space, and Environmental Medicine, 1995, 66, 114-7.	0.5	6
133	Response to rest and exercise in the cold: effects of age and aerobic fitness. Journal of Applied Physiology, 1994, 76, 72-78.	2.5	61
134	Longitudinal Changes in Peak Aerobic and Anaerobic Mechanical Power of Circumpubertal Boys. Pediatric Exercise Science, 1993, 5, 318-331.	1.0	78
135	Thermoregulatory responses of pre-, mid-, and late-pubertal boys to exercise in dry heat. Medicine and Science in Sports and Exercise, 1992, 24, 688???694.	0.4	18
136	Longitudinal analysis of the sweating response of pre-, mid-, and late-pubertal boys during exercise in the heat. American Journal of Human Biology, 1992, 4, 527-535.	1.6	16
137	Sweat gland response to exercise in the heat among pre-, mid-, and late-pubertal boys. Medicine and Science in Sports and Exercise, 1992, 24, 313-9.	0.4	41
138	Thermoregulatory responses of pre-, mid-, and late-pubertal boys to exercise in dry heat. Medicine and Science in Sports and Exercise, 1992, 24, 688-94.	0.4	37
139	Sweat lactate in exercising children and adolescents of varying physical maturity. Journal of Applied Physiology, 1991, 71, 1735-1740.	2.5	57
140	Aldosterone and prolactin response to exercise in the heat in circumpubertal boys. Journal of Applied Physiology, 1991, 71, 1741-1745.	2.5	13