Bareket Falk

List of Publications by Year
in descending order

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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	Childâ€"Adult Differences in Muscle Activation â€" A Review. Pediatric Exercise Science, 2012, 24, 2-21.	1.0	155
2	Effects of Thermal Stress During Rest and Exercise in the Paediatric Population. Sports Medicine, 1998, 25, 221-240.	6.5	136
3	The Effectiveness of Resistance Training in Children. Sports Medicine, 1996, 22, 176-186.	6.5	127
4	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
5	Childrenâ€™s thermoregulation during exercise in the heatÂâ€" a revisit. Applied Physiology, Nutrition and Metabolism, 2008, 33, 420-427.	1.9	105
6	Child-Adult Differences in the Recovery from High-Intensity Exercise. Exercise and Sport Sciences Reviews, 2006, 34, 107-112.	3.0	103
7	The effect of resistance training on the frequency of bleeding in haemophilia patients: a pilot study. Haemophilia, 2002, 8, 22-27.	2.1	83
8	Longitudinal Changes in Peak Aerobic and Anaerobic Mechanical Power of Circumpubertal Boys. Pediatric Exercise Science, 1993, 5, 318-331.	1.0	78
9	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
10	Anaerobic power and muscle strength in young hemophilia patients. Medicine and Science in Sports and Exercise, 2000, 32, 52.	0.4	65
11	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
12	Sweat lactate in exercising children and adolescents of varying physical maturity. Journal of Applied Physiology, 1991, 71, 1735-1740.	2.5	57
13	Cellular and Humoral Immune Response to Exercise Among Gymnasts and Untrained Girls. International Journal of Sports Medicine, 1997, 18, 208-212.	1.7	53
14	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
15	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
16	Bone properties and muscle strength of young haemophilia patients. Haemophilia, 2005, 11, 380-386.	2.1	51
17	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
18	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

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19	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
20	Differential sclerostin and parathyroid hormone response to exercise in boys and men. Osteoporosis International, 2016, 27, 1245-1249.	3.1	43
21	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
22	Physical activity participation and bleeding characteristics in young patients with severe haemophilia. Haemophilia, 2009, 15, 695-700.	2.1	38
23	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
24	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
25	A treadmill test of sprint running. Scandinavian Journal of Medicine and Science in Sports, 1996, 6, 259-264.	2.9	35
26	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
27	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
28	Quantitative Ultrasound of the Tibia and Radius in Prepubertal and Early-Pubertal Female Athletes. JAMA Pediatrics, 2003, 157, 139.	3.0	33
29	The electromyographic threshold in boys and men. European Journal of Applied Physiology, 2015, 115, 1273-1281.	2.5	32
30	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
31	Resistance training, skeletal muscle and growth. Pediatric Endocrinology Reviews, 2003, 1, 120-7.	1.2	32
32	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
33	Do neuromuscular adaptations occur in endurance-trained boys and men?. Applied Physiology, Nutrition and Metabolism, 2010, 35, 471-479.	1.9	31
34	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
35	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
36	Rate of Muscle Activation in Power-and Endurance-Trained Boys. International Journal of Sports Physiology and Performance, 2011, 6, 94-105.	2.3	28

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37	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
38	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
39	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
40	Childâ€“adult differences in the kinetics of torque development. Journal of Sports Sciences, 2013, 31, 945-953.	2.0	24
41	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
42	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
43	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
44	A Cumulative Effect of Physical Training on Bone Strength in Males. International Journal of Sports Medicine, 2007, 28, 449-455.	1.7	21
45	Muscle Strength and Contractile Kinetics of Isometric Elbow Flexion in Girls and Women. Pediatric Exercise Science, 2009, 21, 354-364.	1.0	21
46	Temperature Regulation and Elite Young Athletes. Medicine and Sport Science, 2011, 56, 126-149.	1.4	21
47	Higher tibial quantitative ultrasound in young female swimmers. British Journal of Sports Medicine, 2004, 38, 461-465.	6.7	19
48	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
49	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
50	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
51	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
52	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
53	Transient decrease of neutrophil chemotaxis following aerobic exercise. Medicine and Science in Sports and Exercise, 2005, 37, 949-54.	0.4	17
54	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

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55	Explosive sport training and torque kinetics in children. Applied Physiology, Nutrition and Metabolism, 2013, 38, 740-745.	1.9	16
56	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
57	The Electromyographic Threshold in Girls and Women. Pediatric Exercise Science, 2017, 29, 84-93.	1.0	16
58	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
59	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
60	The Effect of Aerobic Exercise on Neutrophil Functions. Medicine and Science in Sports and Exercise, 2008, 40, 1623-1628.	0.4	15
61	Pediatric Exercise Testing: Value and Implications of Peak Oxygen Uptake. Children, 2017, 4, 6.	1.5	15
62	Measurement and Interpretation of Maximal Aerobic Power in Children. Pediatric Exercise Science, 2019, 31, 144-151.	1.0	15
63	Bone Properties in Overweight Pre- and Early-Pubertal Boys. Pediatric Exercise Science, 2008, 20, 50-61.	1.0	14
64	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
65	CAN-flip: A Pilot Gymnastics Program for Children With Cerebral Palsy. Adapted Physical Activity Quarterly, 2015, 32, 349-370.	0.8	14
66	A Brief History of Pediatric Exercise Physiology. Pediatric Exercise Science, 2018, 30, 1-10.	1.0	14
67	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
68	Aldosterone and prolactin response to exercise in the heat in circumpubertal boys. Journal of Applied Physiology, 1991, 71, 1741-1745.	2.5	13
69	Endocrine Response to Resistance Training in Children. Pediatric Exercise Science, 2014, 26, 404-422.	1.0	13
70	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
71	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
72	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

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73	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
74	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
75	Correlates of Mucosal Immunity and Upper Respiratory Tract Infections in Girls. Journal of Pediatric Endocrinology and Metabolism, 2010, 23, 579-87.	0.9	11
76	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
77	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
78	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
79	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
80	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
81	Does bracing affect bone health in women with adolescent idiopathic scoliosis?. Scoliosis, 2015, 10, 5.	0.4	9
82	Adolescent idiopathic scoliosis: the possible harm of bracing and the likely benefit of exercise. Spine Journal, 2015, 15, 1169-1171.	1.3	9
83	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
84	Cutaneous vasomotor responses in boys and men. Applied Physiology, Nutrition and Metabolism, 2018, 43, 1019-1026.	1.9	9
85	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
86	Bone Speed of Sound, Bone Turnover and IGF-I in Adolescent Synchronized Swimmers. Pediatric Exercise Science, 2010, 22, 421-430.	1.0	8
87	Adolescent idiopathic scoliosis: the possible harm of bracing and the likely benefit of exercise. Spine Journal, 2015, 15, 209-210.	1.3	8
88	Isometric-based test improves EMG-threshold determination in boys vs. men. European Journal of Applied Physiology, 2019, 119, 1971-1979.	2.5	8
89	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
90	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

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91	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
92	Isometric-based EMG threshold in girls and women. European Journal of Applied Physiology, 2020, 120, 907-914.	2.5	7
93	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
94	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
95	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
96	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
97	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
98	The psycho-physiological response to parachuting among novice and experienced parachutists. Aviation, Space, and Environmental Medicine, 1995, 66, 114-7.	0.5	6
99	Maturity status in male child and adolescent athletes. Journal of Sports Medicine and Physical Fitness, 2010, 50, 486-93.	0.7	6
100	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
101	Muscle Strength and Resistance Training in Youthâ€”Do They Affect Cardiovascular Health?. Pediatric Exercise Science, 2016, 28, 11-15.	1.0	5
102	Comparison of laser speckle contrast imaging and laser-Doppler fluxmetry in boys and men. Microvascular Research, 2020, 128, 103927.	2.5	5
103	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
104	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
105	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
106	We Have Grown. Pediatric Exercise Science, 2014, 26, 1-2.	1.0	4
107	Torque-onset determination: Unintended consequences of the threshold method. Journal of Electromyography and Kinesiology, 2016, 31, 7-13.	1.7	4
108	Effect of passive heat exposure on cardiac autonomic function in healthy children. European Journal of Applied Physiology, 2018, 118, 2233-2240.	2.5	4

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109	Task-Specific Sex Differences in Muscle Fatigue. Exercise and Sport Sciences Reviews, 2010, 38, 36.	3.0	3
110	Resistance Training in Children. Pediatric Exercise Science, 2015, 27, 13-17.	1.0	3
111	Elevation in Sclerostin After Exercise: Is It Affected by Age and Sex?. Calcified Tissue International, 2018, 102, 380-381.	3.1	3
112	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
113	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
114	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
115	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
116	Comment on: â€œAre Prepubertal Children Metabolically Comparable to Well-Trained Adult Endurance Athletes?â€• Sports Medicine, 2017, 47, 1903-1905.	6.5	2
117	An Active Child is a Healthy Child. Pediatric Exercise Science, 2017, 29, 1-2.	1.0	2
118	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
119	Exercise and the Healthy Child: Is There Anything More We Need to Know?. Pediatric Exercise Science, 2016, 28, 165-166.	1.0	1
120	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
121	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
122	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
123	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
124	Fitness, Fatness, and Metformin. Medicine and Science in Sports and Exercise, 2012, 44, 2253.	0.4	0
125	Pediatric Exercise Science: Passing the Baton. Pediatric Exercise Science, 2012, 24, 329-331.	1.0	0
126	The Year That Was, the Year Ahead. Pediatric Exercise Science, 2013, 25, 1-2.	1.0	0

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127	Who Cares About Muscle Strength?. Pediatric Exercise Science, 2013, 25, 329-331.	1.0	0
128	Pediatric Exercise Science: Back to the Future. Pediatric Exercise Science, 2013, 25, 505-507.	1.0	0
129	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
130	The Year That Wasâ€"Commentaries. Pediatric Exercise Science, 2015, 27, 1-2.	1.0	0
131	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
132	Editorâ€™s Notesâ€"February 2016. Pediatric Exercise Science, 2016, 28, 1-2.	1.0	0
133	The Tom Rowland Series: A Forum Exploring New Challenges facing Pediatric Exercise Science. Pediatric Exercise Science, 2017, 29, 169.	1.0	0
134	The Year That Was 2017: Highlights in Pediatric Exercise Research. Pediatric Exercise Science, 2018, 30, 11.	1.0	0
135	The Tom Rowland Series: A Forum Exploring New Challenges Facing Pediatric Exercise Scienceâ€"2018. Pediatric Exercise Science, 2018, 30, 441.	1.0	0
136	CF Patients?? Response To Exercise At Low Altitude (the Dead Sea). Medicine and Science in Sports and Exercise, 2005, 37, S438.	0.4	0
137	The Effect of Running Vs Cycling on Bone Markers Response. Medicine and Science in Sports and Exercise, 2019, 51, 756-756.	0.4	0
138	The Safety of Resistance Training in Childrenâ€"What Do We Really Know!. Pediatric Exercise Science, 2019, 31, 265-266.	1.0	0
139	Sex Differences In Microvascular Function In Pre-pubertal Children. Medicine and Science in Sports and Exercise, 2020, 52, 235-235.	0.4	0
140	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