Jeanne Dekerle

List of Publications by Year
in descending order

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63	1,388	361045 20	360668 35
papers	citations	h-index	g-index

71	71	71	1308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Maximal lactate steady state, respiratory compensation threshold and critical power. European Journal of Applied Physiology, 2003, 89, 281-288.	1.2	173
2	Validity and Reliability of Critical Speed, Critical Stroke Rate, and Anaerobic Capacity in Relation to Front Crawl Swimming Performances. International Journal of Sports Medicine, 2002, 23, 93-98.	0.8	98
3	Why does exercise terminate at the maximal lactate steady state intensity?. British Journal of Sports Medicine, 2008, 42, 528-533.	3.1	90
4	Exercise-induced metabolic fluctuations influence AMPK, p38-MAPK and CaMKII phosphorylation in human skeletal muscle. Physiological Reports, 2015, 3, e12462.	0.7	84
5	Critical Swimming Speed Does not Represent the Speed at Maximal Lactate Steady State. International Journal of Sports Medicine, 2005, 26, 524-530.	0.8	63
6	Kinematic measures and stroke rate variability in elite female 200-m swimmers in the four swimming techniques: Athens 2004 Olympic semi-finalists and French National 2004 Championship semi-finalists. Journal of Sports Sciences, 2008, 26, 35-46.	1.0	61
7	Stroking Parameters in Front Crawl Swimming and Maximal Lactate Steady State Speed. International Journal of Sports Medicine, 2005, 26, 53-58.	0.8	53
8	Influence of moderate hypoxia on tolerance to high-intensity exercise. European Journal of Applied Physiology, 2012, 112, 327-335.	1.2	50
9	Validity of the two-parameter model in estimating the anaerobic work capacity. European Journal of Applied Physiology, 2006, 96, 257-264.	1.2	39
10	Changes in swimming technique during time to exhaustion at freely chosen and controlled stroke rates. Journal of Sports Sciences, 2008, 26, 1191-1200.	1.0	38
11	Characterising the slope of the distanceâ€“time relationship in swimming. Journal of Science and Medicine in Sport, 2010, 13, 365-370.	0.6	38
12	Maximal Lactate Steady State Does Not Correspond to a Complete Physiological Steady State. International Journal of Sports Medicine, 2003, 24, 582-587.	0.8	35
13	Effect of Prior Exercise above and below Critical Power on Exercise to Exhaustion. Medicine and Science in Sports and Exercise, 2005, 37, 775-781.	0.2	33
14	The magnitude of neuromuscular fatigue is not intensity dependent when cycling above critical power but relates to aerobic and anaerobic capacities. Experimental Physiology, 2019, 104, 209-219.	0.9	33
15	The critical velocity in swimming. European Journal of Applied Physiology, 2008, 102, 165-171.	1.2	32
16	Aerobic Potential, Stroke Parameters, and Coordination in Swimming Front-Crawl Performance. International Journal of Sports Physiology and Performance, 2007, 2, 347-359.	1.1	29
17	Once- and twice-daily heat acclimation confer similar heat adaptations, inflammatory responses and exercise tolerance improvements. Physiological Reports, 2018, 6, e13936.	0.7	24
18	Effect of aerobic training status on both maximal lactate steady state and critical power. Applied Physiology, Nutrition and Metabolism, 2012, 37, 736-743.	0.9	21

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19	Toward the unity of pathological and exertional fatigue: A predictive processing model. Cognitive, Affective and Behavioral Neuroscience, 2022, 22, 215-228.	1.0	21
20	Reproducibility of Performance in Three Types of Training Test in Swimming. International Journal of Sports Medicine, 2006, 27, 623-628.	0.8	20
21	Determination of critical power from a single test. Science and Sports, 2008, 23, 231-238.	0.2	20
22	Exercise Tolerance Can Be Enhanced through a Change in Work Rate within the Severe Intensity Domain: Work above Critical Power Is Not Constant. PLoS ONE, 2015, 10, e0138428.	1.1	20
23	The critical power concept in all-out isokinetic exercise. Journal of Science and Medicine in Sport, 2014, 17, 640-644.	0.6	19
24	Assessment of Maximal Aerobic Power and Critical Power in a Single 90-s Isokinetic All-Out Cycling Test. International Journal of Sports Medicine, 2007, 28, 414-419.	0.8	18
25	Continuous exercise induces airway epithelium damage while a matched-intensity and volume intermittent exercise does not. Respiratory Research, 2019, 20, 12.	1.4	18
26	Sodium Bicarbonate Supplementation Delays Neuromuscular Fatigue Without Changes in Performance Outcomes During a Basketball Match Simulation Protocol. Journal of Strength and Conditioning Research, 2020, 34, 1369-1375.	1.0	15
27	Self selected speed and maximal lactate steady state speed in swimming. Journal of Sports Medicine and Physical Fitness, 2005, 45, 1-6.	0.4	15
28	Critical power in adolescent boys and girls â€" an exploratory study. Applied Physiology, Nutrition and Metabolism, 2008, 33, 1105-1111.	0.9	14
29	Methodological issues with the assessment of voluntary activation using transcranial magnetic stimulation in the knee extensors. European Journal of Applied Physiology, 2019, 119, 991-1005.	1.2	13
30	How Narrow is the Spectrum of Submaximal Speeds in Swimming?. Journal of Strength and Conditioning Research, 2013, 27, 1450-1454.	1.0	12
31	The reliability of a heat acclimation state test prescribed from metabolic heat production intensities. Journal of Thermal Biology, 2015, 53, 38-45.	1.1	12
32	Rate of utilization of a given fraction of <i>W</i>â€² (the curvature constant of the powerâ€"duration) Tj ETQq0 0 0 rgBT /Overlock 10 101, 540-548.	0.9	12
33	The distanceÂâ€"Âtime relationship over a century of running Olympic performances: A limit on the critical speed concept. Journal of Sports Sciences, 2006, 24, 1213-1221.	1.0	11
34	Effect of Stroke Rate Reduction on Swimming Technique During Paced Exercise. Journal of Strength and Conditioning Research, 2011, 25, 392-397.	1.0	11
35	Ventilatory Thresholds in Arm and Leg Exercises with Spontaneously Chosen Crank and Pedal Rates. Perceptual and Motor Skills, 2002, 95, 1035-1046.	0.6	10
36	Critical power is not attained at the end of an isokinetic 90-second all-out test in children. Journal of Sports Sciences, 2009, 27, 379-385.	1.0	10

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37	Interactions between perceptions of fatigue, effort, and affect decrease knee extensor endurance performance following upper body motor activity, independent of changes in neuromuscular function. Psychophysiology, 2020, 57, e13602.	1.2	10
38	Effect of the subjective intensity of fatigue and interoception on perceptual regulation and performance during sustained physical activity. PLoS ONE, 2022, 17, e0262303.	1.1	10
39	Exercise-induced Fatigue in Severe Hypoxia after an Intermittent Hypoxic Protocol. Medicine and Science in Sports and Exercise, 2017, 49, 2422-2432.	0.2	9
40	Creatine supplementation improves performance above critical power but does not influence the magnitude of neuromuscular fatigue at task failure. Experimental Physiology, 2019, 104, 1881-1891.	0.9	9
41	Muscle Fatigue When Swimming Intermittently Above and Below Critical Speed. International Journal of Sports Physiology and Performance, 2016, 11, 602-607.	1.1	7
42	Effect of work:rest cycle duration on fluctuations during intermittent exercise. Journal of Sports Sciences, 2017, 35, 7-13.	1.0	7
43	Improving the measurement of TMS-assessed voluntary activation in the knee extensors. PLoS ONE, 2019, 14, e0216981.	1.1	7
44	Effect of Incremental and Submaximal Constant Load Tests: Protocol on Perceived Exertion (CR10) Values. Perceptual and Motor Skills, 2003, 96, 896-904.	0.6	6
45	Testâ€“retest reliability of a 3-min isokinetic all-out test using two different cadences. Journal of Science and Medicine in Sport, 2014, 17, 645-649.	0.6	6
46	Metabolic stress at cycling critical power vs. running critical speed. Science and Sports, 2014, 29, 51-54.	0.2	6
47	Physiological comparison of intensityâ€controlled, isocaloric intermittent and continuous exercise^{â€}. European Journal of Sport Science, 2018, 18, 1368-1375.	1.4	6
48	Stroking Parameters during Continuous and Intermittent Exercise in Regional-Level Competitive Swimmers. International Journal of Sports Medicine, 2012, 33, 696-701.	0.8	5
49	Physiological responses to 90 s all out isokinetic sprint cycling in boys and men. Journal of Sports Science and Medicine, 2005, 4, 437-45.	0.7	5
50	Effect of a 15% Increase in Preferred Pedal Rate on Time to Exhaustion During Heavy Exercise. Applied Physiology, Nutrition, and Metabolism, 2004, 29, 146-156.	1.7	4
51	Reciprocal Versus Nonreciprocal Assessment of Knee Flexors and Extensors in Concentric Actions Using the CON-TREX Multijoint Isokinetic Dynamometer: A Reliability Study. Measurement in Physical Education and Exercise Science, 2019, 23, 118-123.	1.3	4
52	What is the best swimming stroke to master for beginners in water safety tests?. European Physical Education Review, 2019, 25, 174-186.	1.2	4
53	A Test to Assess Aerobic and Anaerobic Parameters During Maximal Exercise in Young Girls. Pediatric Exercise Science, 2012, 24, 262-274.	0.5	3
54	Is airway damage during physical exercise related to airway dehydration? Inputs from a computational model. Journal of Applied Physiology, 2022, 132, 1031-1040.	1.2	3

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55	Change in critical speed but not its associated metabolic rate when manipulating muscle contraction regimen: Horizontal vs. uphill treadmill running. Science and Sports, 2013, 28, e179-e182.	0.2	2
56	Effect of Incremental and Submaximal Constant Load Tests: Protocol on Perceived Exertion (CR10) Values. , 0, .		2
57	Reproducibility of variables derived from a 90 s all-out effort isokinetic cycling test. Journal of Sports Medicine and Physical Fitness, 2006, 46, 388-94.	0.4	2
58	Effect Of Moderate Hypoxia On The Power-endurance Relationship. Medicine and Science in Sports and Exercise, 2009, 41, 256.	0.2	1
59	Critical Speed, Anaerobic Distance Capacity And Swimming Performance After Prior Heavy And Severe Exercise. Medicine and Science in Sports and Exercise, 2009, 41, 10.	0.2	0
60	Reply to â€˜The relationship between Wâ€² and peripheral fatigue consideredâ€™. Experimental Physiology, 2020, 105, 213-214.	0.9	0
61	Prolonged cognitive activity increases perception of fatigue but does not influence perception of effort, affective valence, or performance during subsequent isometric endurance exercise.. Sport, Exercise, and Performance Psychology, 2022, 11, 214-227.	0.6	0
62	VENTILATORY THRESHOLDS IN ARM AND LEG EXERCISES WITH SPONTANEOUSLY CHOSEN CRANK AND PEDAL RATES. Perceptual and Motor Skills, 2002, 95, 1035.	0.6	0
63	The Metabolic Cost Of Critical Velocity At Different Treadmill Grades. Medicine and Science in Sports and Exercise, 2009, 41, 259.	0.2	0