

Sarah J Willis

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

667
citations

567281

15
h-index

580821

25
g-index

37
all docs

37
docs citations

37
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-exercise accumulation of interstitial lung water is greater in hypobaric than normobaric hypoxia in adults born prematurely. <i>Respiratory Physiology and Neurobiology</i> , 2022, 297, 103828.	1.6	4
2	Mitochondrial oxygen affinity increases after sprint interval training and is related to the improvement in peak oxygen uptake. <i>Acta Physiologica</i> , 2020, 229, e13463.	3.8	26
3	Relationship between cardiorespiratory phase coherence during hypoxia and genetic polymorphism in humans. <i>Journal of Physiology</i> , 2020, 598, 2001-2019.	2.9	10
4	Cardio-respiratory, oxidative stress and acute mountain sickness responses to normobaric and hypobaric hypoxia in prematurely born adults. <i>European Journal of Applied Physiology</i> , 2020, 120, 1341-1355.	2.5	8
5	Insights for Blood Flow Restriction and Hypoxia in Leg Versus Arm Submaximal Exercise. <i>International Journal of Sports Physiology and Performance</i> , 2020, 15, 714-719.	2.3	3
6	Separate and combined effects of local and systemic hypoxia in resistance exercise. <i>European Journal of Applied Physiology</i> , 2019, 119, 2313-2325.	2.5	11
7	High-Intensity Exercise With Blood Flow Restriction or in Hypoxia as Valuable Spaceflight Countermeasures?. <i>Frontiers in Physiology</i> , 2019, 10, 1266.	2.8	8
8	Level Versus Uphill Economy and Mechanical Responses in Elite Ultratrail Runners. <i>International Journal of Sports Physiology and Performance</i> , 2019, 14, 1001-1005.	2.3	13
9	Leg- vs arm-cycling repeated sprints with blood flow restriction and systemic hypoxia. <i>European Journal of Applied Physiology</i> , 2019, 119, 1819-1828.	2.5	24
10	Vascular and oxygenation responses of local ischemia and systemic hypoxia during arm cycling repeated sprints. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 1151-1156.	1.3	18
11	Neuromuscular evaluation of arm-cycling repeated sprints under hypoxia and/or blood flow restriction. <i>European Journal of Applied Physiology</i> , 2019, 119, 1533-1545.	2.5	19
12	Effects of exercise in normobaric hypoxia on hemodynamics during muscle metaboreflex activation in normoxia. <i>European Journal of Applied Physiology</i> , 2019, 119, 1137-1148.	2.5	10
13	Active Preconditioning With Blood Flow Restriction or/and Systemic Hypoxic Exposure Does Not Improve Repeated Sprint Cycling Performance. <i>Frontiers in Physiology</i> , 2019, 10, 1393.	2.8	8
14	Ischemic Preconditioning Maintains Performance on Two 5-km Time Trials in Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2309-2317.	0.4	16
15	Live high-€train low guided by daily heart rate variability in elite Nordic-skiers. <i>European Journal of Applied Physiology</i> , 2018, 118, 419-428.	2.5	32
16	Oxygenation time course and neuromuscular fatigue during repeated cycling sprints with bilateral blood flow restriction. <i>Physiological Reports</i> , 2018, 6, e13872.	1.7	37
17	Effects of Different Training Intensity Distributions Between Elite Cross-Country Skiers and Nordic-Combined Athletes During Live High-Train Low. <i>Frontiers in Physiology</i> , 2018, 9, 932.	2.8	8
18	Post-€exercise recovery of contractile function and endurance in humans and mice is accelerated by heating and slowed by cooling skeletal muscle. <i>Journal of Physiology</i> , 2017, 595, 7413-7426.	2.9	52

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19	Resistance Exercise In Hypoxia Combined With Blood Flow Restriction. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 243.	0.4	0
20	Changes in Muscle and Cerebral Deoxygenation and Perfusion during Repeated Sprints in Hypoxia to Exhaustion. <i>Frontiers in Physiology</i> , 2017, 8, 846.	2.8	25
21	Larger exercise-induced lung comets increase in adults born preterm in hypobaric vs. normobaric hypoxia. , 2017, , .		0
22	The Physiological Mechanisms of Performance Enhancement with Sprint Interval Training Differ between the Upper and Lower Extremities in Humans. <i>Frontiers in Physiology</i> , 2016, 7, 426.	2.8	60
23	Repeated Cycling Sprints with Different Restricted Blood Flow Levels. , 2016, , .		2
24	High-intensity sprint training inhibits mitochondrial respiration through aconitase inactivation. <i>FASEB Journal</i> , 2016, 30, 417-427.	0.5	64
25	Endurance Exercise Enhances the Effect of Strength Training on Muscle Fiber Size and Protein Expression of Akt and mTOR. <i>PLoS ONE</i> , 2016, 11, e0149082.	2.5	58
26	Cross-Country Skiing and Postexercise Heart-Rate Recovery. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 11-16.	2.3	6
27	Effect of Carrying a Rifle on Physiology and Biomechanical Responses in Biathletes. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 617-624.	0.4	20
28	Alterations in aerobic energy expenditure and neuromuscular function during a simulated cross-country skiathlon with the skating technique. <i>Human Movement Science</i> , 2015, 40, 326-340.	1.4	4
29	Repeated Double-Poling Sprint Training in Hypoxia by Competitive Cross-country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 809-817.	0.4	66
30	Muscle Heating Accelerates Recovery in Mouse and Human Skeletal Muscle Following Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 195-196.	0.4	0
31	Impact of the initial classic section during a simulated cross-country skiing skiathlon on the cardiopulmonary responses during the subsequent period of skate skiing. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 911-919.	1.9	2
32	Physiological Comparison of Concentric and Eccentric Arm Cycling in Males and Females. <i>PLoS ONE</i> , 2014, 9, e112079.	2.5	17
33	The reproducibility of three different indicators of fatigue from plantar-flexion isokinetic testing at two knee flexion angles is not sufficient to be termed 'acceptable'. <i>Isokinetics and Exercise Science</i> , 2013, 21, 227-236.	0.4	2
34	Comparison Between Three Different Endurance Tests in Professional Soccer Players. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 31-37.	2.1	21
35	The Influence of Compression Tights on Markers of Economy for Cross-Country Skiers During Steady-State Running. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 8.	0.4	0
36	Test-retest Reliability Of Vertical Jump Performance In Competitive Cross Country Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 8.	0.4	3

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37	Determinants of On-Snow Skate Sprint Cross-Country Skiing Performance for Junior and Collegiate Skiers. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 7.	0.4	10