

Robert H Coker

List of Publications by Year in descending order

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55
papers

1,211
citations

394421

19
h-index

414414

32
g-index

61
all docs

61
docs citations

61
times ranked

1887
citing authors

#	ARTICLE	IF	CITATIONS
1	Bed Rest Promotes Reductions in Walking Speed, Functional Parameters, and Aerobic Fitness in Older, Healthy Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 91-96.	3.6	120
2	Prevention and treatment of type 2 diabetes: Current role of lifestyle, natural product, and pharmacological interventions. , 2008, 118, 181-191.		97
3	The Impact of Exercise Training Compared to Caloric Restriction on Hepatic and Peripheral Insulin Resistance in Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 4258-4266.	3.6	83
4	Exercise-Induced Changes in Insulin Action and Glycogen Metabolism in Elderly Adults. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 433-438.	0.4	69
5	Whey protein and essential amino acids promote the reduction of adipose tissue and increased muscle protein synthesis during caloric restriction-induced weight loss in elderly, obese individuals. <i>Nutrition Journal</i> , 2012, 11, 105.	3.4	67
6	Influence of Exercise Intensity on Abdominal Fat and Adiponectin in Elderly Adults. <i>Metabolic Syndrome and Related Disorders</i> , 2009, 7, 363-368.	1.3	54
7	Glucoregulation During Exercise. <i>Sports Medicine</i> , 2005, 35, 575-583.	6.5	50
8	Adipose triglyceride lipase expression in human adipose tissue and muscle. Role in insulin resistance and response to training and pioglitazone. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 1012-1020.	3.4	49
9	Role of carotid bodies in control of the neuroendocrine response to exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E742-E748.	3.5	44
10	Bedrest and sarcopenia. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 7-11.	2.5	41
11	Exercise Training and Insulin Resistance: A Current Review. <i>Journal of Obesity & Weight Loss Therapy</i> , 2015, s5, .	0.1	36
12	Sympathetic drive to liver and nonhepatic splanchnic tissue during heavy exercise. <i>Journal of Applied Physiology</i> , 1997, 82, 1244-1249.	2.5	35
13	Weight Loss Strategies in the Elderly: A Clinical Conundrum. <i>Obesity</i> , 2018, 26, 22-28.	3.0	33
14	Prior exercise increases net hepatic glucose uptake during a glucose load. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 276, E1022-E1029.	3.5	26
15	Wildland Firefighting. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, e91-e94.	1.7	25
16	Bed Rest Worsens Impairments in Fat and Glucose Metabolism in Older, Overweight Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69A, 363-370.	3.6	24
17	Role of hepatic $\hat{1}\pm$ - and $\hat{1}^2$ -adrenergic receptor stimulation on hepatic glucose production during heavy exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997, 273, E831-E838.	3.5	22
18	Metabolic Responses to the Yukon Arctic Ultra. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 357-362.	0.4	22

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19	Cardiac Autonomic Modulations and Psychological Correlates in the Yukon Arctic Ultra: The Longest and the Coldest Ultramarathon. <i>Frontiers in Physiology</i> , 2018, 9, 35.	2.8	22
20	Nitrogen recycling buffers against ammonia toxicity from skeletal muscle breakdown in hibernating arctic ground squirrels. <i>Nature Metabolism</i> , 2020, 2, 1459-1471.	11.9	20
21	Glucagon response to exercise is critical for accelerated hepatic glutamine metabolism and nitrogen disposal. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E638-E645.	3.5	19
22	Prior exercise and the response to insulin-induced hypoglycemia in the dog. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E1128-E1138.	3.5	19
23	Comparison of insulin sensitivity assessment indices with euglycemic-hyperinsulinemic clamp data after a dietary and exercise intervention in older adults. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 525-532.	3.4	19
24	Prevention of Overt Hypoglycemia During Exercise: Stimulation of Endogenous Glucose Production Independent of Hepatic Catecholamine Action and Changes in Pancreatic Hormone Concentration. <i>Diabetes</i> , 2002, 51, 1310-1318.	0.6	17
25	Effects of an Ad Libitum, High Carbohydrate Diet and Aerobic Exercise Training on Insulin Action and Muscle Metabolism in Older Men and Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 299-304.	3.6	16
26	Stimulation of splanchnic glucose production during exercise in humans contains a glucagon-independent component. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E918-E927.	3.5	13
27	Essential amino acid-enriched meal replacement promotes superior net protein balance in older, overweight adults. <i>Clinical Nutrition</i> , 2019, 38, 2821-2826.	5.0	13
28	Sympathetic drive to liver and nonhepatic splanchnic tissue during prolonged exercise is increased in diabetes. <i>Metabolism: Clinical and Experimental</i> , 1997, 46, 1327-1332.	3.4	12
29	Splanchnic glucagon kinetics in exercising alloxan-diabetic dogs. <i>Journal of Applied Physiology</i> , 1999, 86, 1626-1631.	2.5	12
30	Visceral Fat and Adiponectin: Associations with Insulin Resistance Are Tissue-Specific in Women. <i>Metabolic Syndrome and Related Disorders</i> , 2009, 7, 61-67.	1.3	12
31	Acute lysine supplementation does not improve hepatic or peripheral insulin sensitivity in older, overweight individuals. <i>Nutrition and Metabolism</i> , 2014, 11, 49.	3.0	12
32	Fat Distribution and Glucose Metabolism in Older, Obese Men and Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007, 62, 1393-1401.	3.6	11
33	The energy requirements and metabolic benefits of wilderness hunting in Alaska. <i>Physiological Reports</i> , 2018, 6, e13925.	1.7	11
34	Role of a negative arterial-portal venous glucose gradient in the postexercise state. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 277, E1038-E1045.	3.5	9
35	Nutritional Supplementation with Essential Amino Acids and Phytosterols May Reduce Risk for Metabolic Syndrome and Cardiovascular Disease in Overweight Individuals with Mild Hyperlipidemia. <i>Journal of Endocrinology, Diabetes & Obesity</i> , 2015, 3, .	0.7	9
36	Pancreatic innervation is not essential for exercise-induced changes in glucagon and insulin or glucose kinetics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 277, E1122-E1129.	3.5	8

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37	Hepatic α - and β -adrenergic receptors are not essential for the increase in R_{aO_2} during exercise in diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 278, E444-E451.	3.5	8
38	Short term elevation in dietary protein intake does not worsen insulin resistance or lipids in older adults with metabolic syndrome: a randomized-controlled trial. <i>BMC Nutrition</i> , 2017, 3, .	1.6	8
39	The effect of insulin and glucagon on splanchnic oxygen consumption. <i>Liver</i> , 2002, 22, 459-466.	0.1	7
40	Feasibility of Conducting a 6-Months Long Home-based Exercise Program with Protein Supplementation in Elderly Community-dwelling Individuals with Heart Failure. <i>Journal of Physiotherapy & Physical Rehabilitation</i> , 2017, 02, .	0.1	6
41	Negative Energy Balance Does Not Alter Fat-Free Mass During the Yukon Arctic Ultraâ€”The Longest and the Coldest Ultramarathon. <i>Frontiers in Physiology</i> , 2018, 9, 1761.	2.8	6
42	Hepatic glucose autoregulation: responses to small, non-insulin-induced changes in arterial glucose. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 287, E269-E274.	3.5	4
43	The Northwest Participant and Clinical Interactions Network: Increasing opportunities for patients to participate in research across the Northwestern United States. <i>Journal of Clinical and Translational Science</i> , 2017, 1, 94-100.	0.6	4
44	Alaska Mountain Wilderness Ski Classic: Alterations in Caloric Expenditure and Body Composition. <i>Wilderness and Environmental Medicine</i> , 2018, 29, 221-225.	0.9	4
45	Essential Amino Acid Supplement Lowers Intrahepatic Lipid despite Excess Alcohol Consumption. <i>Nutrients</i> , 2020, 12, 254.	4.1	4
46	Alaska backcountry expeditionary hunting promotes rapid improvements in metabolic biomarkers in healthy males and females. <i>Physiological Reports</i> , 2021, 9, e14682.	1.7	4
47	Aerobic exercise training versus the aetiology of insulin resistance. <i>European Journal of Sport Science</i> , 2008, 8, 3-14.	2.7	2
48	Deterioration of Lipid Metabolism Despite Fitness Improvements in Wildland Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2022, 64, 385-389.	1.7	2
49	Caffeine, Cycling Performance and Exogenous, CHO Oxidation. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1743.	0.4	1
50	Nicotine Use and Athletic Performance. <i>Journal of Strength and Conditioning Research</i> , 1996, 10, 279-282.	2.1	0
51	Feasibility of connecting regional research programs to national multisite trials emanating from the CTSA Trial Innovation Network. <i>Journal of Clinical and Translational Science</i> , 2020, 4, 75-80.	0.6	0
52	Equivalent servings of free-range reindeer promote greater net protein balance compared to commercial beef. <i>International Journal of Circumpolar Health</i> , 2021, 80, 1897222.	1.2	0
53	Acute lysine supplementation does not improve hepatic or peripheral insulin sensitivity in older, obese individuals (1161.7). <i>FASEB Journal</i> , 2014, 28, .	0.5	0
54	Whey Protein and Essential Amino Acids Promote the Reduction of Adipose Tissue and Increased Muscle Protein Synthesis During Caloric Restriction-Induced Weight Loss in Elderly, Obese Individuals. , 2016, , 69-86.		0

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55	Potential Influence of Follistatin and Myostatin on Body Composition during the Yukon Arctic Ultra. FASEB Journal, 2018, 32, lb252.	0.5	0