

Denise L Smith

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,737
citations

394421

19
h-index

289244

40
g-index

61
all docs

61
docs citations

61
times ranked

1116
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiovascular Disease in US Firefighters. <i>Cardiology in Review</i> , 2011, 19, 202-215.	1.4	327
2	Firefighter Fitness. <i>Current Sports Medicine Reports</i> , 2011, 10, 167-172.	1.2	130
3	Extreme sacrifice: sudden cardiac death in the US Fire Service. <i>Extreme Physiology and Medicine</i> , 2013, 2, 6.	2.5	104
4	Core temperature and heart rate response to repeated bouts of firefighting activities. <i>Ergonomics</i> , 2013, 56, 1465-1473.	2.1	82
5	Impact of Excess Body Weight on Arterial Structure, Function, and Blood Pressure in Firefighters. <i>American Journal of Cardiology</i> , 2009, 104, 1441-1445.	1.6	79
6	Firefighter Health and Fitness Assessment. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 661-671.	2.1	79
7	Cardiovascular Strain of Firefighting and the Risk of Sudden Cardiac Events. <i>Exercise and Sport Sciences Reviews</i> , 2016, 44, 90-97.	3.0	77
8	The Relation of Emergency Duties to Cardiac Death Among US Firefighters. <i>American Journal of Cardiology</i> , 2019, 123, 736-741.	1.6	67
9	Physiological Recovery from Firefighting Activities in Rehabilitation and Beyond. <i>Prehospital Emergency Care</i> , 2011, 15, 214-225.	1.8	60
10	Effect of Live-Fire Training Drills on Firefighters'™ Platelet Number and Function. <i>Prehospital Emergency Care</i> , 2011, 15, 233-239.	1.8	59
11	The Prevalence of Cardiovascular Disease Risk Factors and Obesity in Firefighters. <i>Journal of Obesity</i> , 2012, 2012, 1-9.	2.7	48
12	Thermal response to firefighting activities in residential structure fires: impact of job assignment and suppression tactic. <i>Ergonomics</i> , 2018, 61, 404-419.	2.1	46
13	Clotting and Fibrinolytic Changes after Firefighting Activities. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 448-454.	0.4	37
14	Firefighting and the Heart. <i>Circulation</i> , 2017, 135, 1296-1299.	1.6	35
15	Pathoanatomic Findings Associated With Duty-Related Cardiac Death in US Firefighters: A Case-Control Study. <i>Journal of the American Heart Association</i> , 2018, 7, e009446.	3.7	31
16	Cardiovascular Disease Risk Factor Changes Over 5 Years Among Male and Female US Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2020, 62, 398-402.	1.7	31
17	Effect of strenuous live-fire fire fighting drills on hematological, blood chemistry and psychological measures. <i>Journal of Thermal Biology</i> , 2001, 26, 375-379.	2.5	30
18	Quantifying Dehydration in the Fire Service Using Field Methods and Novel Devices. <i>Prehospital Emergency Care</i> , 2012, 16, 347-355.	1.8	26

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19	The influence of short-term firefighting activity on information processing performance. <i>Ergonomics</i> , 2014, 57, 764-773.	2.1	22
20	Firefighters'™ basal cardiac autonomic function and its associations with cardiorespiratory fitness. <i>Work</i> , 2019, 62, 485-495.	1.1	22
21	Vascular and central hemodynamic changes following exercise-induced heat stress. <i>Vascular Medicine</i> , 2015, 20, 222-229.	1.5	21
22	Changes in Firefighter Weight and Cardiovascular Disease Risk Factors over Five Years. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 2476-2482.	0.4	20
23	Physiological response to firefighting activities of various work cycles using extended duration and prototype SCBA. <i>Ergonomics</i> , 2018, 61, 390-403.	2.1	19
24	Firefighter's personal protective equipment and the chronotropic index. <i>Ergonomics</i> , 2012, 55, 1243-1251.	2.1	17
25	Evaluation of a Wearable Physiological Status Monitor During Simulated Fire Fighting Activities. <i>Journal of Occupational and Environmental Hygiene</i> , 2014, 11, 427-433.	1.0	17
26	Firefighter Incident Rehabilitation: Interpreting Heart Rate Responses. <i>Prehospital Emergency Care</i> , 2016, 20, 28-36.	1.8	15
27	Cardiovascular Disease Risk Factors by BMI and Age in United States Firefighters. <i>Obesity</i> , 2021, 29, 1186-1194.	3.0	15
28	Effect of Clothing Layers in Combination with Fire Fighting Personal Protective Clothing on Physiological and Perceptual Responses to Intermittent Work and on Materials Performance Test Results. <i>Journal of Occupational and Environmental Hygiene</i> , 2013, 10, 259-269.	1.0	14
29	Hypertension in the United States Fire Service. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5432.	2.6	14
30	Use of Salivary Osmolality to Assess Dehydration. <i>Prehospital Emergency Care</i> , 2012, 16, 128-135.	1.8	13
31	Effect of base layer materials on physiological and perceptual responses to exercise in personal protective equipment. <i>Applied Ergonomics</i> , 2014, 45, 428-436.	3.1	13
32	Sudden cardiac death in the fire service. <i>Occupational Medicine</i> , 2014, 64, 228-230.	1.4	12
33	Cardiac Strain Associated with High-rise Firefighting. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, 213-221.	1.0	11
34	Effect of Aspirin Supplementation on Hemostatic Responses in Firefighters Aged 40 to 60 Years. <i>American Journal of Cardiology</i> , 2016, 118, 275-280.	1.6	11
35	Firefighting Induces Acute Inflammatory Responses that are not Relieved by Aspirin in Older Firefighters. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, 617-622.	1.7	11
36	Use of the HR index to predict maximal oxygen uptake during different exercise protocols. <i>Physiological Reports</i> , 2013, 1, e00124.	1.7	10

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37	Firefighter exercise protocols conducted in an environmental chamber: developing a laboratory-based simulated firefighting protocol. <i>Ergonomics</i> , 2017, 60, 657-668.	2.1	10
38	Firefighters and COVID-19. <i>Journal of Occupational and Environmental Medicine</i> , 2021, Publish Ahead of Print, e556-e563.	1.7	10
39	A Cross-Sectional Examination of 10-Year Atherosclerotic Cardiovascular Disease Risk Among US Firefighters by Age and Weight Status. <i>Journal of Occupational and Environmental Medicine</i> , 2020, 62, 1063-1068.	1.7	9
40	Physiological, Perceptual and Psychological Responses of Career versus Volunteer Firefighters to Live-Fire Training Drills. <i>Stress and Health</i> , 2016, 32, 328-336.	2.6	8
41	Examination of Strenuous Activity Preceding Cardiac Death during Firefighting Duties. <i>Safety</i> , 2019, 5, 50.	1.7	7
42	Subclinical Cardiac Dysfunction is Associated with Reduced Cardiorespiratory Fitness and Cardiometabolic Risk Factors in Firefighters. <i>American Journal of Medicine</i> , 2022, 135, 752-760.e3.	1.5	7
43	Effect of Obesity on Acute Hemostatic Responses to Live-Fire Training Drills. <i>American Journal of Cardiology</i> , 2014, 114, 1768-1771.	1.6	6
44	Electrocardiographic Responses Following Live-Fire Firefighting Drills. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, 1030-1035.	1.7	6
45	Physiologic strain of SCBA confidence course training compared to circuit training and live-fire training. <i>Applied Ergonomics</i> , 2020, 82, 102966.	3.1	6
46	The Wildland Firefighter Exposure and Health Effect (WFFEHE) Study: Rationale, Design, and Methods of a Repeated-Measures Study. <i>Annals of Work Exposures and Health</i> , 2022, 66, 714-727.	1.4	6
47	Medical Monitoring During Firefighter Incident Scene Rehabilitation. <i>Prehospital Emergency Care</i> , 2016, 20, 467-476.	1.8	5
48	Effect of Aspirin Supplementation on Hemodynamics in Older Firefighters. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 2653-2659.	0.4	4
49	Effect of moderate exercise-induced heat stress on carotid wave intensity. <i>European Journal of Applied Physiology</i> , 2015, 115, 2223-2230.	2.5	4
50	Exercise-induced heat stress disrupts the shear-dilatory relationship. <i>Experimental Physiology</i> , 2016, 101, 1541-1551.	2.0	4
51	Borderline-low testosterone levels are associated with lower left ventricular wall thickness in firefighters: An exploratory analysis. <i>Andrology</i> , 2020, 8, 1753-1761.	3.5	4
52	Firefighter hemodynamic responses to different fire training environments. <i>Vascular Medicine</i> , 2021, 26, 240-246.	1.5	4
53	The effect of precooling on cardiovascular and metabolic strain during incremental exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2013, 38, 935-940.	1.9	3
54	Differences in 5-year weight change between younger and older US firefighters. <i>BMC Public Health</i> , 2021, 21, 1215.	2.9	2

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55	Low testosterone and cardiometabolic risks in a real-world study of US male firefighters. Scientific Reports, 2021, 11, 14189.	3.3	2
56	Hemostatic Responses to Multiple Bouts of Firefighting Activity: Female vs. Male Differences in a High Demand, High Performance Occupation. International Journal of Environmental Research and Public Health, 2022, 19, 2124.	2.6	2
57	Association Between Atrial Fibrillation and Occupational Exposure in Firefighters Based on Self-Reported Survey Data. Journal of the American Heart Association, 2022, 11, e022543.	3.7	2
58	Effect of live-fire training on ventricular-vascular coupling. European Journal of Applied Physiology, 2021, , 1.	2.5	1
59	Cardiac Rehabilitation in Firefighters. Baylor University Medical Center Proceedings, 2013, 26, 429-431.	0.5	0
60	Response to Letter to the Editor "Aspirin an Effective Preventive Medicine for Firefighting-Induced Acute Inflammation". Journal of Occupational and Environmental Medicine, 2019, 61, e433.	1.7	0