

Jessica M Scott

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

3,301
citations

32
h-index

55
g-index

95
ext. papers

4,152
ext. citations

5.8
avg, IF

5.15
L-index

#	Paper	IF	Citations
89	Cardiopulmonary function and age-related decline across the breast cancer survivorship continuum. <i>Journal of Clinical Oncology</i> , 2012 , 30, 2530-7	2.2	261
88	Effect of exercise training on peak oxygen consumption in patients with cancer: a meta-analysis. <i>Oncologist</i> , 2011 , 16, 112-20	5.7	199
87	The health benefits of interactive video game exercise. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007 , 32, 655-63	3	168
86	Cancer therapy-induced cardiac toxicity in early breast cancer: addressing the unresolved issues. <i>Circulation</i> , 2012 , 126, 2749-63	16.7	148
85	Modulation of anthracycline-induced cardiotoxicity by aerobic exercise in breast cancer: current evidence and underlying mechanisms. <i>Circulation</i> , 2011 , 124, 642-50	16.7	131
84	Efficacy of Exercise Therapy on Cardiorespiratory Fitness in Patients With Cancer: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Oncology</i> , 2018 , 36, 2297-2305	2.2	126
83	Cardio-Oncology Rehabilitation to Manage Cardiovascular Outcomes in Cancer Patients and Survivors: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2019 , 139, e997-e1012	16.7	124
82	A meta-analysis of the effects of exercise training on left ventricular remodeling following myocardial infarction: start early and go longer for greatest exercise benefits on remodeling. <i>Trials</i> , 2011 , 12, 92	2.8	108
81	Determinants of exercise intolerance in patients with heart failure and reduced or preserved ejection fraction. <i>Journal of Applied Physiology</i> , 2015 , 119, 739-44	3.7	107
80	Exercise Therapy and Cardiovascular Toxicity in Cancer. <i>Circulation</i> , 2018 , 137, 1176-1191	16.7	107
79	Exercise and Risk of Cardiovascular Events in Women With Nonmetastatic Breast Cancer. <i>Journal of Clinical Oncology</i> , 2016 , 34, 2743-9	2.2	104
78	Cardiovascular consequences of completing a 160-km ultramarathon. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 26-34	1.2	79
77	Association of Exercise With Mortality in Adult Survivors of Childhood Cancer. <i>JAMA Oncology</i> , 2018 , 4, 1352-1358	13.4	68
76	Arterial compliance in young children: the role of aerobic fitness. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2005 , 12, 492-7		60
75	Reliability and validity of panoramic ultrasound for muscle quantification. <i>Ultrasound in Medicine and Biology</i> , 2012 , 38, 1656-61	3.5	57
74	Feasibility, safety, and efficacy of aerobic training in pretreated patients with metastatic breast cancer: A randomized controlled trial. <i>Cancer</i> , 2018 , 124, 2552-2560	6.4	48
73	The Astronaut-Athlete: Optimizing Human Performance in Space. <i>Journal of Strength and Conditioning Research</i> , 2015 , 29, 3531-45	3.2	48

72	Autonomic dysfunction in early breast cancer: Incidence, clinical importance, and underlying mechanisms. <i>American Heart Journal</i> , 2015 , 170, 231-41	4.9	47
71	Integrated resistance and aerobic exercise protects fitness during bed rest. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 358-68	1.2	41
70	Cancer therapy-induced autonomic dysfunction in early breast cancer: implications for aerobic exercise training. <i>International Journal of Cardiology</i> , 2014 , 171, e50-1	3.2	41
69	Left ventricular torsion and untwisting during exercise in heart transplant recipients. <i>Journal of Physiology</i> , 2009 , 587, 2375-86	3.9	41
68	Exercise Training Mitigates Multisystem Deconditioning during Bed Rest. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1920-1928	1.2	40
67	Utility of 3-dimensional echocardiography, global longitudinal strain, and exercise stress echocardiography to detect cardiac dysfunction in breast cancer patients treated with doxorubicin-containing adjuvant therapy. <i>Breast Cancer Research and Treatment</i> , 2014 , 143, 531-9	4.4	40
66	Novel Methods for Reporting of Exercise Dose and Adherence: An Exploratory Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1134-1141	1.2	39
65	Sex differences in left ventricular function and beta-receptor responsiveness following prolonged strenuous exercise. <i>Journal of Applied Physiology</i> , 2007 , 102, 681-7	3.7	38
64	Mechanisms underpinning exercise-induced changes in left ventricular function. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 1400-7	1.2	36
63	Panoramic ultrasound: a novel and valid tool for monitoring change in muscle mass. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017 , 8, 475-481	10.3	35
62	Exercise therapy as treatment for cardiovascular and oncologic disease after a diagnosis of early-stage cancer. <i>Seminars in Oncology</i> , 2013 , 40, 218-28	5.5	33
61	Metabolic requirements of interactive video game cycling. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 920-6	1.2	32
60	Paediatric cardio-oncology: epidemiology, screening, prevention, and treatment. <i>Cardiovascular Research</i> , 2019 , 115, 922-934	9.9	32
59	Cardiovascular disease following hematopoietic stem cell transplantation: Pathogenesis, detection, and the cardioprotective role of aerobic training. <i>Critical Reviews in Oncology/Hematology</i> , 2016 , 98, 222-34	7.34	28
58	Exercise as potential countermeasure for the effects of 70 days of bed rest on cognitive and sensorimotor performance. <i>Frontiers in Systems Neuroscience</i> , 2015 , 9, 121	3.5	28
57	The potential role of aerobic exercise to modulate cardiotoxicity of molecularly targeted cancer therapeutics. <i>Oncologist</i> , 2013 , 18, 221-31	5.7	27
56	Regional muscle oxygenation differences in vastus lateralis during different modes of incremental exercise. <i>Dynamic Medicine: DM</i> , 2006 , 5, 8		27
55	Upper limits of physiological cardiac adaptation in ultramarathon runners. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 754-5	15.1	26

54	Exercise therapy in the management of solid tumors. <i>Current Treatment Options in Oncology</i> , 2010 , 11, 45-58	5.4	26
53	Reliability of peak exercise testing in patients with heart failure with preserved ejection fraction. <i>American Journal of Cardiology</i> , 2012 , 110, 1809-13	3	24
52	Central haemodynamics and peripheral muscle function during exercise in patients with chronic heart failure. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007 , 32, 318-31	3	24
51	Characterization of the relationship between systolic shear strain and early diastolic shear strain rates: insights into torsional recoil. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H898-907	5.2	22
50	The cancer patient and cardiology. <i>European Journal of Heart Failure</i> , 2020 , 22, 2290-2309	12.3	22
49	Cardiovascular Late Effects and Exercise Treatment in Breast Cancer: Current Evidence and Future Directions. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 881-90	3.8	21
48	Cardiovascular responses to incremental and sustained submaximal exercise in heart transplant recipients. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H350-8	5.2	21
47	Bench-to-Bedside Approaches for Personalized Exercise Therapy in Cancer. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2017 , 37, 684-694	7.1	20
46	Cardiovascular Function in Long-Term Hematopoietic Cell Transplantation Survivors. <i>Biology of Blood and Marrow Transplantation</i> , 2017 , 23, 700-705	4.7	19
45	Long-term Cardiopulmonary Consequences of Treatment-Induced Cardiotoxicity in Survivors of ERBB2-Positive Breast Cancer. <i>JAMA Cardiology</i> , 2020 , 5, 309-317	16.2	19
44	Internal jugular pressure increases during parabolic flight. <i>Physiological Reports</i> , 2016 , 4, e13068	2.6	19
43	Overview of the NASA 70-day Bed Rest Study. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1909-1919	1.19	18
42	Bench-to-Bedside Approaches for Personalized Exercise Therapy in Cancer. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2017 , 37, 684-694	7.1	18
41	Measurements of changes in left ventricular volume, strain, and twist during isovolumic relaxation using MRI. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1908-18	5.2	18
40	Impact of Sarcopenia on Adverse Outcomes After Allogeneic Hematopoietic Cell Transplantation. <i>Journal of the National Cancer Institute</i> , 2019 , 111, 837-844	9.7	18
39	Strategies to Prevent or Remediate Cancer and Treatment-Related Aging. <i>Journal of the National Cancer Institute</i> , 2021 , 113, 112-122	9.7	18
38	Changes in ventricular twist and untwisting with orthostatic stress: endurance athletes versus normally active individuals. <i>Journal of Applied Physiology</i> , 2010 , 108, 1259-66	3.7	17
37	Cardiovascular consequences of high-performance aircraft maneuvers: implications for effective countermeasures and laboratory-based simulations. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007 , 32, 332-9	3	17

36	Post-exercise hypotension and cardiovascular responses to moderate orthostatic stress in endurance-trained males. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008 , 33, 246-53	3	16
35	Association of Exercise and Swimming Goggles With Modulation of Cerebro-ocular Hemodynamics and Pressures in a Model of Spaceflight-Associated Neuro-ocular Syndrome. <i>JAMA Ophthalmology</i> , 2019 , 137, 652-659	3.9	15
34	Evaluation of tele-ultrasound as a tool in remote diagnosis and clinical management at the Amundsen-Scott South Pole Station and the McMurdo Research Station. <i>Telemedicine Journal and E-Health</i> , 2013 , 19, 186-91	5.9	15
33	Effects of high intensity exercise on biventricular function assessed by cardiac magnetic resonance imaging in endurance trained and normally active individuals. <i>American Journal of Cardiology</i> , 2010 , 106, 278-83	3	15
32	Diastolic ventricular interactions in endurance-trained athletes during orthostatic stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H409-15	5.2	13
31	High intensity training during spaceflight: results from the NASA Sprint Study. <i>Npj Microgravity</i> , 2020 , 6, 21	5.3	13
30	Effects of Exercise Therapy Dosing Schedule on Impaired Cardiorespiratory Fitness in Patients With Primary Breast Cancer: A Randomized Controlled Trial. <i>Circulation</i> , 2020 , 141, 560-570	16.7	12
29	Reliability of maximal cardiopulmonary exercise testing in men with prostate cancer. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 27-32	1.2	11
28	Myocellular Responses to Concurrent Flywheel Training during 70 Days of Bed Rest. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1950-1960	1.2	11
27	Construction of a lower body negative pressure chamber. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2007 , 31, 76-81	1.9	11
26	Multisystem Toxicity in Cancer: Lessons from NASA's Countermeasures Program. <i>Cell</i> , 2019 , 179, 1003-1062	10.2	11
25	The potential role of the pericardium on diastolic filling in endurance-trained athletes under conditions of physiological stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2007 , 32, 311-7	3	10
24	Efficacy of Exercise and Testosterone to Mitigate Atrophic Cardiovascular Remodeling. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 1940-1949	1.2	8
23	Lifestyle Interventions to Improve Cardiorespiratory Fitness and Reduce Breast Cancer Recurrence. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2017 , 37, 57-64	7.1	7
22	Lifestyle Interventions to Improve Cardiorespiratory Fitness and Reduce Breast Cancer Recurrence. <i>American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting</i> , 2017 , 37, 57-64	7.1	6
21	Disuse-Induced Muscle Loss and Rehabilitation: The National Aeronautics and Space Administration Bed Rest Study 2020 , 2, e0269		6
20	Abnormal body composition is a predictor of adverse outcomes after autologous haematopoietic cell transplantation. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020 , 11, 962-972	10.3	5
19	The metabolic cost of an integrated exercise program performed during 14 days of bed rest. <i>Aviation, Space, and Environmental Medicine</i> , 2014 , 85, 612-7		5

18	Effects and tolerability of exercise therapy modality on cardiorespiratory fitness in lung cancer: a randomized controlled trial. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 , 12, 1456	10.3	5
17	Exercise effects on bed rest-induced brain changes. <i>PLoS ONE</i> , 2018 , 13, e0205515	3.7	5
16	Venous and Arterial Responses to Partial Gravity. <i>Frontiers in Physiology</i> , 2020 , 11, 863	4.6	4
15	Reliability And Validity Of Ultrasound Cross-sectional Area Measurements For Long-duration Spaceflight. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 823-824	1.2	3
14	Teleguided self-ultrasound scanning for longitudinal monitoring of muscle mass during spaceflight. <i>IScience</i> , 2021 , 24, 102344	6.1	3
13	Impact of body size and body composition on bladder cancer outcomes: Risk stratification and opportunity for novel interventions. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2020 , 38, 713-718	2.8	2
12	The oxygen delivery response to acute hypoxia during incremental knee extension exercise differs in active and trained males. <i>Dynamic Medicine: DM</i> , 2008 , 7, 11		2
11	Effects of adjunct testosterone on cardiac morphology and function in advanced cancers: an ancillary analysis of a randomized controlled trial. <i>BMC Cancer</i> , 2019 , 19, 778	4.8	1
10	Exercise and Testosterone Countermeasures to Mitigate Metabolic Changes during Bed Rest. <i>Life Sciences in Space Research</i> , 2020 , 26, 97-104	2.4	1
9	Leveraging Spaceflight to Advance Cardiovascular Research on Earth.. <i>Circulation Research</i> , 2022 , 130, 942-957	15.7	1
8	Comparing the reporting and conduct quality of exercise and pharmacological randomised controlled trials: a systematic review. <i>BMJ Open</i> , 2021 , 11, e048218	3	0
7	Lower Body Negative Pressure as a VIIP Countermeasure 2017 , 253-271		
6	Cardiovascular function and exercise capacity in patients with colorectal cancer: does anticancer therapy matter?. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1380-1381	15.1	
5	Letter by Scott and Haykowsky Regarding Articles, "Can Intensive Exercise Harm the Heart? The Benefits of Competitive Endurance Training for Cardiovascular Structure and Function" and "Can Intensive Exercise Harm the Heart? You Can Get Too Much of a Good Thing". <i>Circulation</i> , 2015 , 131, e523	16.7	
4	Lamina Cribrosa Pore Diameter and Spaceflight-Associated Neuro-ocular Syndrome-Reply. <i>JAMA Ophthalmology</i> , 2019 , 137, 1331	3.9	
3	Preventing Cardiovascular Complications of Breast Cancer Treatment: The Utility of Effective Exercise Prescription. <i>Current Cardiovascular Risk Reports</i> , 2013 , 7, 275-282	0.9	
2	Temporal changes in left ventricular mechanics: impact of bed rest and exercise (884.23). <i>FASEB Journal</i> , 2014 , 28, 884.23	0.9	
1	Impact of Exercise on Susceptibility and Severity of COVID-19 in Patients with Cancer: A Retrospective Study.. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022 , 31, 1036-1042	4	

