

# Erik D Hanson

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

1,840  
citations

331538

21  
h-index

289141

40  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2498  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Impact on Behaviors across the 24-Hour Day in Children and Adolescents: Physical Activity, Sedentary Behavior, and Sleep. <i>Children</i> , 2020, 7, 138.	0.6	249
2	Genes for Elite Power and Sprint Performance: ACTN3 Leads the Way. <i>Sports Medicine</i> , 2013, 43, 803-817.	3.1	158
3	Strength Training as a Countermeasure to Aging Muscle and Chronic Disease. <i>Sports Medicine</i> , 2011, 41, 289-306.	3.1	128
4	Exercise training, circulating cytokine levels and immune function in cancer survivors: A meta-analysis. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 92-104.	2.0	107
5	ACE Genotype and the Muscle Hypertrophic and Strength Responses to Strength Training. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 677-683.	0.2	96
6	Effects of Strength Training on Physical Function: Influence of Power, Strength, and Body Composition. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 2627-2637.	1.0	84
7	Physiological Determinants of the Candidate Physical Ability Test in Firefighters. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 3112-3122.	1.0	80
8	Strength Training Induces Muscle Hypertrophy and Functional Gains in Black Prostate Cancer Patients Despite Androgen Deprivation Therapy. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013, 68, 490-498.	1.7	66
9	Endurance Training Intensity Does Not Mediate Interference to Maximal Lower-Body Strength Gain during Short-Term Concurrent Training. <i>Frontiers in Physiology</i> , 2016, 7, 487.	1.3	58
10	Enhanced skeletal muscle ribosome biogenesis, yet attenuated mTORC1 and ribosome biogenesis-related signalling, following short-term concurrent versus single-mode resistance training. <i>Scientific Reports</i> , 2018, 8, 560.	1.6	53
11	Acute Effects of Heavy- and Light-Load Squat Exercise on the Kinetic Measures of Vertical Jumping. <i>Journal of Strength and Conditioning Research</i> , 2007, 21, 1012.	1.0	47
12	High dose dietary vitamin D 3 increases bone mass and strength in mice. <i>Bone Reports</i> , 2017, 6, 44-50.	0.2	38
13	Do Sex or Race Differences Influence Strength Training Effects on Muscle or Fat?. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, 669-676.	0.2	37
14	The Independent Effects of Strength Training in Cancer Survivors: a Systematic Review. <i>Current Oncology Reports</i> , 2016, 18, 31.	1.8	34
15	Cold water immersion attenuates anabolic signaling and skeletal muscle fiber hypertrophy, but not strength gain, following whole-body resistance training. <i>Journal of Applied Physiology</i> , 2019, 127, 1403-1418.	1.2	34
16	Local exercise does not prevent the aortic stiffening response to acute prolonged sitting: a randomized crossover trial. <i>Journal of Applied Physiology</i> , 2019, 127, 781-787.	1.2	30
17	ACTN3 Genotype Does not Influence Muscle Power. <i>International Journal of Sports Medicine</i> , 2010, 31, 834-838.	0.8	28
18	Attenuation of Resting but Not Load-Mediated Protein Synthesis in Prostate Cancer Patients on Androgen Deprivation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 1076-1083.	1.8	28

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19	Commentaries on Viewpoint: The two-hour marathon: Who and when?. <i>Journal of Applied Physiology</i> , 2011, 110, 278-293.	1.2	25
20	Hindlimb Immobilization, But Not Castration, Induces Reduction of Undercarboxylated Osteocalcin Associated With Muscle Atrophy in Rats. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1967-1978.	3.1	25
21	Effects of acute prolonged sitting on cerebral perfusion and executive function in young adults: A randomized cross-over trial. <i>Psychophysiology</i> , 2019, 56, e13457.	1.2	24
22	Exercise alters mRNA expression of telomere-repeat binding factor 1 in skeletal muscle via p38 MAPK. <i>Journal of Applied Physiology</i> , 2012, 113, 1737-1746.	1.2	23
23	Maximal exercise increases mucosal associated invariant T cell frequency and number in healthy young men. <i>European Journal of Applied Physiology</i> , 2017, 117, 2159-2169.	1.2	23
24	Effects of Resistance Training on Arterial Stiffness in Persons at Risk for Cardiovascular Disease: A Meta-analysis. <i>Sports Medicine</i> , 2018, 48, 2785-2795.	3.1	22
25	Natural killer cell mobilization and egress following acute exercise in men with prostate cancer. <i>Experimental Physiology</i> , 2020, 105, 1524-1539.	0.9	21
26	Validity and reliability of lower-limb pulse-wave velocity assessments using an oscillometric technique. <i>Experimental Physiology</i> , 2019, 104, 765-774.	0.9	18
27	A Primer on Repeated Sitting Exposure and the Cardiovascular System: Considerations for Study Design, Analysis, Interpretation, and Translation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 716938.	1.1	18
28	Targeting sedentary behavior as a feasible health strategy during COVID-19. <i>Translational Behavioral Medicine</i> , 2021, 11, 826-831.	1.2	17
29	Lessons learned from a pilot randomized clinical trial of home-based exercise prescription before allogeneic hematopoietic cell transplantation. <i>Supportive Care in Cancer</i> , 2020, 28, 5291-5298.	1.0	16
30	Genomic haplotype within the peroxisome proliferator-activated receptor $\delta$ ( <i>PPAR<math>\delta</math></i> ) gene is associated with elite athletic status. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, e148-55.	1.3	15
31	The Acute Effect of Oleic- or Linoleic Acid-Containing Meals on Appetite and Metabolic Markers; A Pilot Study in Overweight or Obese Individuals. <i>Nutrients</i> , 2018, 10, 1376.	1.7	13
32	The Effect of Yearly-Dose Vitamin D Supplementation on Muscle Function in Mice. <i>Nutrients</i> , 2019, 11, 1097.	1.7	13
33	Exercise Increases Mucosal-associated Invariant T Cell Cytokine Expression but Not Activation or Homing Markers. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 379-388.	0.2	12
34	Feasibility and adherence to moderate intensity cardiovascular fitness training following stroke: a pilot randomized controlled trial. <i>BMC Neurology</i> , 2021, 21, 132.	0.8	12
35	Intervening on the Side Effects of Hormone-Dependent Cancer Treatment: The Role of Strength Training. <i>Journal of Aging Research</i> , 2011, 2011, 1-8.	0.4	11
36	Associations of Sedentary Time with Heart Rate and Heart Rate Variability in Adults: A Systematic Review and Meta-Analysis of Observational Studies. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8508.	1.2	10

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37	Altered stress hormone response following acute exercise during prostate cancer treatment. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1925-1933.	1.3	9
38	Effect of androgen deprivation therapy on the contractile properties of type I and type II skeletal muscle fibres in men with non-metastatic prostate cancer. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 146-154.	0.9	9
39	Arterial stiffness responses to prolonged sitting combined with a high-glycemic-index meal: a double-blind, randomized crossover trial. <i>Journal of Applied Physiology</i> , 2021, 131, 229-237.	1.2	9
40	A pilot study of high-intensity interval training in older adults with treatment naïve chronic lymphocytic leukemia. <i>Scientific Reports</i> , 2021, 11, 23137.	1.6	9
41	Reliability of pulse waveform separation analysis responses to an orthostatic challenge. <i>Hypertension Research</i> , 2018, 41, 176-182.	1.5	8
42	Commentaries on Point:Counterpoint: Investigators should/should not control for menstrual cycle phase when performing studies of vascular control. <i>Journal of Applied Physiology</i> , 2020, 129, 1122-1135.	1.2	8
43	Testosterone suppression does not exacerbate disuse atrophy and impairs muscle recovery that is not rescued by high protein. <i>Journal of Applied Physiology</i> , 2020, 129, 5-16.	1.2	8
44	Does exercise attenuate age- and disease-associated dysfunction in unconventional T cells? Shining a light on overlooked cells in exercise immunology. <i>European Journal of Applied Physiology</i> , 2021, 121, 1815-1834.	1.2	8
45	The pressure-dependency of local measures of arterial stiffness. <i>Journal of Hypertension</i> , 2019, 37, 956-963.	0.3	7
46	Cerebrovascular function response to prolonged sitting combined with a high-glycemic index meal: A double-blind, randomized crossover trial. <i>Psychophysiology</i> , 2021, 58, e13830.	1.2	7
47	Exercise training partially rescues impaired mucosal associated invariant t-cell mobilization in breast cancer survivors compared to healthy older women. <i>Experimental Gerontology</i> , 2021, 152, 111454.	1.2	7
48	The Effect of Vitamin D Supplementation on Skeletal Muscle in the mdx Mouse Model of Duchenne Muscular Dystrophy. <i>Sports</i> , 2019, 7, 96.	0.7	6
49	Effects of Acute Prolonged Sitting and Interrupting Prolonged Sitting on Heart Rate Variability and Heart Rate in Adults: A Meta-Analysis. <i>Frontiers in Physiology</i> , 2021, 12, 664628.	1.3	6
50	Exercise-induced modulation of monocytes in breast cancer survivors. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 14, 100216.	1.3	6
51	Effect of 6 months of aerobic training on adipokines as breast cancer risk factors in postmenopausal women: A randomized controlled trial. <i>Journal of Cancer Research and Therapeutics</i> , 2018, 14, 1336-1340.	0.3	6
52	Does insulin-like growth factor 1 genotype influence muscle power response to strength training in older men and women?. <i>European Journal of Applied Physiology</i> , 2012, 112, 743-753.	1.2	5
53	Body composition, physical function and quality of life in healthy men and across different stages of prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2021, 24, 725-732.	2.0	5
54	Feasibility of home-based exercise training in men with metastatic castration-resistant prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, , .	2.0	5

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55	Two weeks of lower body resistance training enhances cycling tolerability to improve precision of maximal cardiopulmonary exercise testing in sedentary middle-aged females. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 1159-1164.	0.9	4
56	Impact of community-based exercise program participation on aerobic capacity in women with and without breast cancer. <i>World Journal of Clinical Oncology</i> , 2021, 12, 468-481.	0.9	4
57	The Effects of 16 Weeks of Exercise Training on Neutrophil Functions in Breast Cancer Survivors. <i>Frontiers in Immunology</i> , 2021, 12, 733101.	2.2	4
58	Research Toolbox for Peripheral Arterial Disease—A Minimally Invasive Assessment of the Vasculature and Skeletal Muscle. <i>Circulation Journal</i> , 2018, 82, 2462-2469.	0.7	3
59	The impact of upper-limb position on estimated central blood pressure waveforms. <i>Journal of Human Hypertension</i> , 2019, 33, 444-453.	1.0	3
60	Sitting decreases endothelial microparticles but not circulating angiogenic cells irrespective of lower leg exercises: a randomized crossover trial. <i>Experimental Physiology</i> , 2020, 105, 1408-1419.	0.9	3
61	Assessing the Value of BMI and Aerobic Capacity as Surrogate Markers for the Severity of Left Ventricular Diastolic Dysfunction in Patients with Type 2 Diabetes who are Obese. <i>Clinical Medicine Insights: Cardiology</i> , 2016, 10, CMC.S38116.	0.6	2
62	Genetics and Sprint, Strength, and Power Performance. , 2019, , 371-383.		2
63	Effects of testosterone suppression, hindlimb immobilization, and recovery on [3H]ouabain binding site content and Na <sup>+</sup> , K <sup>+</sup> -ATPase isoforms in rat soleus muscle. <i>Journal of Applied Physiology</i> , 2020, 128, 501-513.	1.2	2
64	Heat Acclimation with or without Normobaric Hypoxia Exposure Leads to Similar Improvements in Endurance Performance in the Heat. <i>Sports</i> , 2022, 10, 69.	0.7	2
65	Impact of community-based exercise on fatigue in early breast cancer survivors: identifying potential determinants of change. <i>Breast Cancer</i> , 2022, 29, 1001-1012.	1.3	2
66	Strength Training as an Intervention against the Musculoskeletal Side Effects of Prostate Cancer Treatment. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 560-561.	0.2	1
67	Genetic Aspects of Sprint, Strength and Power Performance. , 2013, , 295-303.		1
68	High Adherence To Home-Based Exercise Improves Muscle Strength And Cardiorespiratory Fitness With Advanced Prostate Cancer. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 6-7.	0.2	1
69	Natural Killer Cell Mobilization in Breast and Prostate Cancer Survivors: The Implications of Altered Stress Hormones Following Acute Exercise. <i>Endocrines</i> , 2021, 2, 121-132.	0.4	1
70	Community-Based Exercise Improves Cancer-Related Fatigue and Physical Fitness In Breast Cancer Survivors: A Preliminary Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 880-880.	0.2	1
71	Mucosal-Associated Invariant T Cell Response To Acute Exercise In Overweight Older Women. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 664-664.	0.2	1
72	Immune, Endocrine, and Soluble Factor Interactions During Aerobic Exercise in Cancer Survivors. <i>Contemporary Endocrinology</i> , 2020, , 441-458.	0.3	1

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73	Cytotoxic Lymphocyte Response to Moderate Intensity Aerobic Exercise in Prostate Cancer Survivors. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 716.	0.2	0
74	Stress Hormone Response To Acute Aerobic Exercise During Prostate Cancer Treatment. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 333.	0.2	0
75	The Test-retest Reliability And Exercise-driven Changes Of UCH-L1 In Healthy, Recreationally Active College Students. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 834.	0.2	0
76	Inflammatory Cytokine Production is Elevated in MAIT Cells Following Acute Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 394.	0.2	0
77	Abstract P024: Associations Between Carotid-femoral And Estimated Pulse Wave Velocity In Older Adults: The Atherosclerosis Risk In Communities (ARIC) Study. <i>Circulation</i> , 2021, 143, .	1.6	0
78	Exercise Training Partially Rescues Impaired Mucosal Associated Invariant T-cell Mobilization In Women With Breast Cancer. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 367-367.	0.2	0
79	Cancer Related Fatigue And Its Associations After Community-based Exercise Participation: A Preliminary Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 471-471.	0.2	0
80	A 16-week Exercise Intervention Improves Balance In Breast Cancer Survivors And Healthy Controls. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 474-474.	0.2	0
81	16-week Combined Exercise Training Improves Muscle Quality In Breast Cancer Survivors. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 477-477.	0.2	0
82	Exercise Training Increases Maximal Lactate Production But Not Substrate Utilization In Breast Cancer Survivors. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 478-478.	0.2	0
83	Effect Of Acute Prolonged Sitting, With And Without Interruption, On Cardio-autonomic Function: A Meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 69-69.	0.2	0
84	Mucosal-Associated Invariant T Cell Response to Acute Exercise and Exercise Training in Older Obese Women. <i>Sports</i> , 2021, 9, 133.	0.7	0
85	Effect of Strength Training on Muscle Hypertrophy and Body Composition during Androgen Deprivation Therapy. <i>FASEB Journal</i> , 2011, 25, 1057.6.	0.2	0
86	Role of Testosterone on Muscle Protein Synthesis during Prostate Cancer Treatment. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 358-359.	0.2	0
87	Effects Of A Two-week Lower-body Resistance Training Protocol On Aerobic Capacity In Sedentary Middle-aged Females. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 125.	0.2	0
88	Preliminary Results of Vascular Function and Aerobic Capacity Profile of Breast Cancer Survivors. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 537.	0.2	0
89	Prolonged Sitting Increases Arterial Stiffness in Healthy Adults. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 660-660.	0.2	0
90	Physiological Fitness Efficiency of Breast Cancer Survivors Improves Despite Maintenance of Aerobic Capacity: Preliminary Analysis. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 243-243.	0.2	0

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91	The Effects of Prolonged Sitting on Cerebral Perfusion and Executive Function. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 133-133.	0.2	0
92	Circulating Angiogenic Cell and Microparticle Response to Prolonged Sitting. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 653-653.	0.2	0
93	Muscle Cross-sectional Area Improves With Home-based Training During Metastatic Castration-resistant Prostate Cancer. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 146-146.	0.2	0
94	MONOCYTE FUNCTION FOLLOWING ACUTE EXERCISE IN BREAST CANCER SURVIVORS BEFORE AND AFTER EXERCISE TRAINING. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 129-129.	0.2	0
95	Vascular Function Following An Acute Mental Stressor Among Fit Versus Non-fit Young Adults. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 12-12.	0.2	0
96	The Effects Of 16-weeks Of Exercise Training On Neutrophil Functions In Breast Cancer Survivors. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 15-15.	0.2	0
97	THE ACUTE EFFECTS OF PROLONGED SITTING WITH OR WITHOUT A HIGH GLYCEMIC INDEX MEAL ON CEREBRAL BLOOD FLOW IN HEALTHY ADULTS. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 389-389.	0.2	0
98	BODY COMPOSITION, PHYSICAL FUNCTION AND QUALITY OF LIFE ACROSS DIFFERENT STAGES OF PROSTATE CANCER: A CROSS-SECTIONAL ANALYSIS. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 981-981.	0.2	0
99	Breast Cancer Survivor Compliance And Satisfaction With A Community-based Exercise Program: Implications For Future Design. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 482-483.	0.2	0
100	Baseline fatigue in early breast cancer survivors: understanding its prevalence in community-based exercise. <i>Supportive Care in Cancer</i> , 2022, 30, 4407.	1.0	0
101	High-Intensity Interval Training in Older Adults With Treatment Naive Chronic Lymphocytic Leukemia. <i>Innovation in Aging</i> , 2021, 5, 457-457.	0.0	0