Laurien M Buffart

List of Publications by Year
in descending order

106 papers	4,624 citations	109321 35 h-index	110387 64 g-index
108 all docs	108 docs citations	108 times ranked	5363 citing authors

#	Article	IF	Citations
1	Effect of Low-Intensity Physical Activity and Moderate- to High-Intensity Physical Exercise During Adjuvant Chemotherapy on Physical Fitness, Fatigue, and Chemotherapy Completion Rates: Results of the PACES Randomized Clinical Trial. Journal of Clinical Oncology, 2015, 33, 1918-1927.	1.6	453
2	Effects and moderators of exercise on quality of life and physical function in patients with cancer: An individual patient data meta-analysis of 34 RCTs. Cancer Treatment Reviews, 2017, 52, 91-104.	7.7	398
3	Physical and psychosocial benefits of yoga in cancer patients and survivors, a systematic review and meta-analysis of randomized controlled trials. BMC Cancer, 2012, 12, 559.	2.6	263
4	Evidence-based physical activity guidelines for cancer survivors: Current guidelines, knowledge gaps and future research directions. Cancer Treatment Reviews, 2014, 40, 327-340.	7.7	201
5	Which exercise prescriptions improve quality of life and physical function in patients with cancer during and following treatment? A systematic review and meta-analysis of randomised controlled trials. British Journal of Sports Medicine, 2018, 52, 505-513.	6.7	177
6	Determinants of exercise adherence and maintenance among cancer survivors: a systematic review. International Journal of Behavioral Nutrition and Physical Activity, 2014, 11, 80.	4.6	149
7	Randomized controlled trial of the effects of high intensity and low-to-moderate intensity exercise on physical fitness and fatigue in cancer survivors: results of the Resistance and Endurance exercise After ChemoTherapy (REACT) study. BMC Medicine, 2015, 13, 275.	5.5	128
8	Effects of exercise in patients treated with stem cell transplantation for a hematologic malignancy: A systematic review and meta-analysis. Cancer Treatment Reviews, 2013, 39, 682-690.	7.7	121
9	Health-related quality of life and disease specific symptoms in long-term thyroid cancer survivors: A study from the population-based PROFILES registry. Acta OncolÃ³gica, 2013, 52, 249-258.	1.8	120
10	Perceived barriers to and facilitators of physical activity in young adults with childhood-onset physical disabilities. Journal of Rehabilitation Medicine, 2009, 41, 881-885.	1.1	111
11	Triad of physical activity, aerobic fitness and obesity in adolescents and young adults with myelomeningocele. Acta Dermato-Venereologica, 2008, 40, 70-75.	1.3	83
12	Self-Reported Physical Activity: Its Correlates and Relationship with Health-Related Quality of Life in a Large Cohort of Colorectal Cancer Survivors. PLoS ONE, 2012, 7, e36164.	2.5	83
13	Effects and moderators of psychosocial interventions on quality of life, and emotional and social function in patients with cancer: An individual patient data metaâ€analysis of 22 RCTs. Psycho-Oncology, 2018, 27, 1150-1161.	2.3	74
14	The course of health-related quality of life in head and neck cancer patients treated with chemoradiation: A prospective cohort study. Radiotherapy and Oncology, 2014, 110, 422-428.	0.6	73
15	Participation in and adherence to physical exercise after completion of primary cancer treatment. International Journal of Behavioral Nutrition and Physical Activity, 2016, 13, 100.	4.6	73
16	Why do patients choose (not) to participate in an exercise trial during adjuvant chemotherapy for breast cancer?. Psycho-Oncology, 2016, 25, 964-970.	2.3	72
17	Muscle mass as a target to reduce fatigue in patients with advanced cancer. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 623-629.	7.3	72
18	Targeting Exercise Interventions to Patients With Cancer in Need: An Individual Patient Data Meta-Analysis. Journal of the National Cancer Institute, 2018, 110, 1190-1200.	6.3	72

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19	Validation of the Physical Activity Scale for Individuals With Physical Disabilities. Archives of Physical Medicine and Rehabilitation, 2011, 92, 923-928.	0.9	71
20	Effects and moderators of exercise on muscle strength, muscle function and aerobic fitness in patients with cancer: a meta-analysis of individual patient data. British Journal of Sports Medicine, 2019, 53, 812-812.	6.7	67
21	Randomized controlled trial on the effects of a supervised high intensity exercise program in patients with a hematologic malignancy treated with autologous stem cell transplantation: Results from the EXIST study. PLoS ONE, 2017, 12, e0181313.	2.5	64
22	The effect, moderators, and mediators of resistance and aerobic exercise on healthâ€related quality of life in older longâ€term survivors of prostate cancer. Cancer, 2015, 121, 2821-2830.	4.1	63
23	The association between health related quality of life and survival in patients with head and neck cancer: A systematic review. Oral Oncology, 2015, 51, 1-11.	1.5	62
24	Cardiovascular Disease Risk Factors and the Relationships With Physical Activity, Aerobic Fitness, and Body Fat in Adolescents and Young Adults With Myelomeningocele. Archives of Physical Medicine and Rehabilitation, 2008, 89, 2167-2173.	0.9	61
25	Higher Muscle Strength Is Associated with Prolonged Survival in Older Patients with Advanced Cancer. Oncologist, 2018, 23, 580-585.	3.7	61
26	Lifestyle, participation, and healthâ€related quality of life in adolescents and young adults with myelomeningocele. Developmental Medicine and Child Neurology, 2009, 51, 886-894.	2.1	60
27	Assessment of arm/hand functioning in children with a congenital transverse or longitudinal reduction deficiency of the upper limb. Disability and Rehabilitation, 2006, 28, 85-95.	1.8	55
28	Moderators of Exercise Effects on Cancer-related Fatigue: A Meta-analysis of Individual Patient Data. Medicine and Science in Sports and Exercise, 2020, 52, 303-314.	0.4	50
29	Psychometric properties of two physical activity questionnaires, the AQuAA and the PASE, in cancer patients. BMC Medical Research Methodology, 2011, 11, 30.	3.1	47
30	Physical activity and the risk of developing lung cancer among smokers: A meta-analysis. Journal of Science and Medicine in Sport, 2014, 17, 67-71.	1.3	46
31	Long-term effectiveness and cost-effectiveness of high versus low-to-moderate intensity resistance and endurance exercise interventions among cancer survivors. Journal of Cancer Survivorship, 2018, 12, 417-429.	2.9	43
32	Tailoring exercise interventions to comorbidities and treatment-induced adverse effects in patients with early stage breast cancer undergoing chemotherapy: a framework to support clinical decisions. Disability and Rehabilitation, 2018, 40, 486-496.	1.8	43
33	Demographic, clinical, psychosocial, and environmental correlates of objectively assessed physical activity among breast cancer survivors. Supportive Care in Cancer, 2016, 24, 3333-3342.	2.2	40
34	Fatigue mediates the relationship between physical fitness and quality of life in cancer survivors. Journal of Science and Medicine in Sport, 2013, 16, 99-104.	1.3	39
35	Mediators of the resistance and aerobic exercise intervention effect on physical and general health in men undergoing androgen deprivation therapy for prostate cancer. Cancer, 2014, 120, 294-301.	4.1	38
36	Design of a randomized controlled trial of physical training and cancer (Phys-Can) â€“ the impact of exercise intensity on cancer related fatigue, quality of life and disease outcome. BMC Cancer, 2017, 17, 218.	2.6	38

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37	Effects of a combined physical and psychosocial training for children with cancer: a randomized controlled trial. BMC Cancer, 2018, 18, 1289.	2.6	37
38	Health-related physical fitness of adolescents and young adults with myelomeningocele. European Journal of Applied Physiology, 2008, 103, 181-188.	2.5	36
39	Design of the EXercise Intervention after Stem cell Transplantation (EXIST) study: a randomized controlled trial to evaluate the effectiveness and cost-effectiveness of an individualized high intensity physical exercise program on fitness and fatigue in patients with multiple myeloma or (non-) Hodgkin's lymphoma treated with high dose chemotherapy and autologous stem cell transplantation. BMC Cancer, 2010, 10, 671.	2.6	35
40	Predicting OptimaL cAncer Rehabllitation and Supportive care (POLARIS): rationale and design for meta-analyses of individual patient data of randomized controlled trials that evaluate the effect of physical activity and psychosocial interventions on health-related quality of life in cancer survivors. Systematic Reviews, 2013, 2, 75.	5.3	35
41	Evaluation of arm and prosthetic functioning in children with a congenital transverse reduction deficiency of the upper limb. Acta Dermato-Venereologica, 2007, 39, 379-386.	1.3	34
42	Ecological momentary assessments among patients with cancer: A scoping review. European Journal of Cancer Care, 2019, 28, e13095.	1.5	32
43	Does exercise intensity matter for fatigue during (neoâ€)adjuvant cancer treatment? The Physâ€Can randomized clinical trial. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 1144-1159.	2.9	32
44	Feasibility, validity and reliability of objective smartphone measurements of physical activity and fitness in patients with cancer. BMC Cancer, 2018, 18, 1052.	2.6	31
45	Long-term effectiveness and cost-effectiveness of an 18-week supervised exercise program in patients treated with autologous stem cell transplantation: results from the EXIST study. Journal of Cancer Survivorship, 2019, 13, 558-569.	2.9	31
46	Cancer patientsâ€™ experiences with and perceived outcomes of yoga: results from focus groups. Supportive Care in Cancer, 2013, 21, 1861-1870.	2.2	29
47	Associations of fat and muscle mass with overall survival in men with prostate cancer: a systematic review with meta-analysis. Prostate Cancer and Prostatic Diseases, 2022, 25, 615-626.	3.9	27
48	Sports participation in adolescents and young adults with myelomeningocele and its role in total physical activity behaviour and fitness. Journal of Rehabilitation Medicine, 2008, 40, 702-708.	1.1	26
49	Hand Function and Activity Performance of Children with Longitudinal Radial Deficiency. Journal of Bone and Joint Surgery - Series A, 2008, 90, 2408-2415.	3.0	25
50	Mediators of Exercise Effects on HRQoL in Cancer Survivors after Chemotherapy. Medicine and Science in Sports and Exercise, 2016, 48, 1859-1865.	0.4	24
51	Comparison of Instruments to Assess Hand Function in Children With Radius Deficiencies. Journal of Hand Surgery, 2007, 32, 531-540.	1.6	23
52	Design of the Resistance and Endurance exercise After ChemoTherapy (REACT) study: A randomized controlled trial to evaluate the effectiveness and cost-effectiveness of exercise interventions after chemotherapy on physical fitness and fatigue. BMC Cancer, 2010, 10, 658.	2.6	23
53	Alpe dâ€™HuZes Cancer Rehabilitation (A-CaRe) Research: Four Randomized Controlled Exercise Trials and Economic Evaluations in Cancer Patients and Survivors. International Journal of Behavioral Medicine, 2012, 19, 143-156.	1.7	23
54	The effect of spinal manipulative therapy on pain relief and function in patients with chronic low back pain: an individual participant data meta-analysis. Physiotherapy, 2021, 112, 121-134.	0.4	22

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55	Time on androgen deprivation therapy and adaptations to exercise: secondary analysis from a 12â€month randomized controlled trial in men with prostate cancer. BJU International, 2018, 121, 194-202.	2.5	20
56	Effects and moderators of exercise on sleep in adults with cancer: Individual patient data and aggregated meta-analyses. Journal of Psychosomatic Research, 2019, 124, 109746.	2.6	20
57	Promoting physical activity in an adolescent and a young adult with physical disabilities. Disability and Health Journal, 2010, 3, 86-92.	2.8	19
58	Moderators of the effects of group-based physical exercise on cancer survivorsâ€™ quality of life. Supportive Care in Cancer, 2015, 23, 2623-2631.	2.2	19
59	Physical activity in patients with cancer: self-report versus accelerometer assessments. Supportive Care in Cancer, 2020, 28, 3701-3709.	2.2	18
60	Rationale and study protocol of the Physical Activity and Dietary intervention in women with OVArian cancer (PADOVA) study: a randomised controlled trial to evaluate effectiveness of a tailored exercise and dietary intervention on body composition, physical function and fatigue in women with ovarian cancer undergoing chemotherapy. BMJ Open, 2020, 10, e036854.	1.9	18
61	What is the minimal dose for resistance exercise effectiveness in prostate cancer patients? Systematic review and meta-analysis on patient-reported outcomes. Prostate Cancer and Prostatic Diseases, 2021, 24, 465-481.	3.9	17
62	Demographic, clinical and lifestyle-related correlates of accelerometer assessed physical activity and fitness in newly diagnosed patients with head and neck cancer. Acta OncolÃ³gica, 2020, 59, 342-350.	1.8	16
63	Adherence to and satisfaction with low-intensity physical activity and supervised moderate-high intensity exercise during chemotherapy for breast cancer. Supportive Care in Cancer, 2020, 28, 2115-2126.	2.2	16
64	Validation and Refinement of Prediction Models to Estimate Exercise Capacity in Cancer Survivors Using the Steep Ramp Test. Archives of Physical Medicine and Rehabilitation, 2017, 98, 2167-2173.	0.9	15
65	Patient-reported physical activity and the association with health-related quality of life in head and neck cancer survivors. Supportive Care in Cancer, 2018, 26, 1087-1095.	2.2	15
66	A comprehensive assessment protocol including patient reported outcomes, physical tests, and biological sampling in newly diagnosed patients with head and neck cancer: is it feasible?. Supportive Care in Cancer, 2014, 22, 3321-3330.	2.2	13
67	Impact of Patient- and Clinician-Reported Cumulative Toxicity on Quality of Life in Patients With Metastatic Castration-NaÃ¯ve Prostate Cancer. Journal of the National Comprehensive Cancer Network: JNCCN, 2018, 16, 1481-1488.	4.9	13
68	Effects of physical exercise on natural killer cell activity during (neo)adjuvant chemotherapy: A randomized pilot study. Physiological Reports, 2021, 9, e14919.	1.7	13
69	Moderators of the Effect of Spinal Manipulative Therapy on Pain Relief and Function in Patients with Chronic Low Back Pain. Spine, 2021, 46, E505-E517.	2.0	13
70	Development and use of a flexible data harmonization platform to facilitate the harmonization of individual patient data for meta-analyses. BMC Research Notes, 2019, 12, 164.	1.4	12
71	Impact of Dutch COVID-19 restrictive policy measures on physical activity behavior and identification of correlates of physical activity changes: a cohort study. BMC Public Health, 2022, 22, 147.	2.9	12
72	Are general practitioners ready and willing to tackle obesity management?. Obesity Research and Clinical Practice, 2008, 2, 189-194.	1.8	11

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73	Health-related physical fitness in patients with multiple myeloma or lymphoma recently treated with autologous stem cell transplantation. Journal of Science and Medicine in Sport, 2017, 20, 116-122.	1.3	11
74	Which exercise prescriptions optimize VÌ‡O₂max during cancer treatment?â€"A systematic review and metaâ€anâ€analysis. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 1274-1287.	2.9	11
75	Moderators of the effect of psychosocial interventions on fatigue in women with breast cancer and men with prostate cancer: Individual patient data metaâ€anâ€analyses. Psycho-Oncology, 2020, 29, 1772-1785.	2.3	11
76	Current Experiences With the Prosthetic Upper Extremity Functional Index in Follow-Up of Children With Upper Limb Reduction Deficiency. Journal of Prosthetics and Orthotics, 2009, 21, 110-114.	0.4	10
77	The predictive value of cumulative toxicity for quality of life in patients with metastatic colorectal cancer during first-line palliative chemotherapy. Cancer Management and Research, 2018, Volume 10, 3015-3021.	1.9	10
78	How Does a Supervised Exercise Program Improve Quality of Life in Patients with Cancer? A Concept Mapping Study Examining Patients' Perspectives. Oncologist, 2019, 24, e374-e383.	3.7	10
79	Demographic, clinical, lifestyle-related, and social-cognitive correlates of physical activity in head and neck cancer survivors. Supportive Care in Cancer, 2018, 26, 1447-1456.	2.2	9
80	Lessons learnt from a process evaluation of an exercise intervention in patients treated with autologous stem cell transplantation. European Journal of Cancer Care, 2018, 27, e12779.	1.5	9
81	Muscle contractile properties of cancer patients receiving chemotherapy: Assessment of feasibility and exercise effects. Scandinavian Journal of Medicine and Science in Sports, 2020, 30, 1918-1929.	2.9	8
82	Implementing Individually Tailored Prescription of Physical Activity in Routine Clinical Care: Protocol of the Physicians Implement Exercise = Medicine (PIE=M) Development and Implementation Project. JMIR Research Protocols, 2020, 9, e19397.	1.0	8
83	Effects and moderators of coping skills training on symptoms of depression and anxiety in patients with cancer: Aggregate data and individual patient data meta-analyses. Clinical Psychology Review, 2020, 80, 101882.	11.4	7
84	The association between wearable activity monitor metrics and performance status in oncology: a systematic review. Supportive Care in Cancer, 2021, 29, 7085-7099.	2.2	7
85	Facilitators and barriers for the implementation of exercise are medicine in routine clinical care in Dutch university medical centres: a mixed methodology study on cliniciansâ€™ perceptions. BMJ Open, 2022, 12, e052920.	1.9	6
86	Survival Benefit of Repeat Local Treatment in Patients Suffering From Early Recurrence of Colorectal Cancer Liver Metastases. Clinical Colorectal Cancer, 2021, 20, e263-e272.	2.3	5
87	Experiences, adherence and satisfaction with a combined exercise and dietary intervention for patients with ovarian cancer undergoing chemotherapy: A mixed-methods study. Gynecologic Oncology, 2022, 165, 619-628.	1.4	4
88	Towards OPtimal TIming and Method for promoting sUstained adherence to lifestyle and body weight recommendations in postMenopausal breast cancer survivors (the OPTIMUM-study): protocol for a longitudinal mixed-method study. BMC Women's Health, 2021, 21, 268.	2.0	3
89	Effect and moderators of exercise on fatigue in patients with cancer: Meta-analysis of individual patient data.. Journal of Clinical Oncology, 2018, 36, 104-104.	1.6	3
90	Carboplatin Dosing in Children Using Estimated Glomerular Filtration Rate: Equation Matters. Cancers, 2021, 13, 5963.	3.7	3

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91	Selfâ€performed Five Times Sitâ€Toâ€Stand test at home as (preâ€)screening tool for frailty in cancer survivors: Reliability and agreement assessment. Journal of Clinical Nursing, 2023, 32, 1370-1380.	3.0	3
92	From accelerometer output to physical activity intensities in breast cancer patients. Journal of Science and Medicine in Sport, 2020, 23, 176-181.	1.3	2
93	Smartphone measurements of physical activity and fitness are associated with early trial discontinuation of patients in (hemato)oncology phase I/II clinical trials. Supportive Care in Cancer, 2021, 29, 3783-3792.	2.2	2
94	Clinical Predictors of Early Trial Discontinuation for Patients Participating in Phase I Clinical Trials in Oncology. Cancers, 2021, 13, 2304.	3.7	2
95	Exploring Moderators of the Effect of High vs. Low-to-Moderate Intensity Exercise on Cardiorespiratory Fitness During Breast Cancer Treatment â€“ Analyses of a Subsample From the Phys-Can RCT. Frontiers in Sports and Active Living, 0, 4, .	1.8	2
96	Predictors for early trial discontinuation of patients with cancer participating in phase I clinical trials. Annals of Oncology, 2019, 30, v187.	1.2	1
97	The impact of cumulative toxicity on physical quality of life in patients with metastatic colorectal cancer receiving first line chemotherapy.. Journal of Clinical Oncology, 2017, 35, 3564-3564.	1.6	1
98	Patient-Reported Symptom Monitoring During Chemotherapy. JAMA - Journal of the American Medical Association, 2017, 318, 1935.	7.4	0
99	The association between wearable device physical activity metrics and performance status in oncology: A systematic review. Annals of Oncology, 2019, 30, v583.	1.2	0
100	Evaluating The Translation Of Dutch Exercise Oncology Trials Into Clinical Practice Using The RE-AIM Framework. Medicine and Science in Sports and Exercise, 2019, 51, 426-427.	0.4	0
101	Cardiovascular Responses to Electrical Stimulation-Induced Leg Cycling Versus Voluntary Arm Cranking Exercise. Medicine and Science in Sports and Exercise, 2004, 36, S60.	0.4	0
102	Sport en de oncologische patiÃ«nt. , 2016, , 61-65.		0
103	Objective smartphone measurements of physical activity and fitness in patients with cancer.. Journal of Clinical Oncology, 2017, 35, 132-132.	1.6	0
104	Relationship Between Accelerometer Output And Oxygen Consumption In Patients With Breast Cancer After Chemotherapy Treatment. Medicine and Science in Sports and Exercise, 2019, 51, 880-880.	0.4	0
105	Physical activity levels in patients with melanoma during treatment with immune checkpoint inhibitors: Fitbit results from the CAMP-IT trial.. Journal of Clinical Oncology, 2022, 40, e13610-e13610.	1.6	0
106	The construct validity of the Steep Ramp Test for assessing cardiorespiratory fitness in patients with breast cancer, and the impact of chemotherapy-related symptom burden.. Archives of Physical Medicine and Rehabilitation, 2022, , .	0.9	0