

# Eija K Laakkonen

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

2,986  
citations

159358

30  
h-index

182168

51  
g-index

83  
all docs

83  
docs citations

83  
times ranked

4289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organ identity genes and modified patterns of flower development in <i>Gerbera hybrida</i> (Asteraceae). <i>Plant Journal</i> , 1999, 17, 51-62.	2.8	220
2	Are skeletal muscle <i>FNDC5</i> gene expression and irisin release regulated by exercise and related to health?. <i>Journal of Physiology</i> , 2013, 591, 5393-5400.	1.3	219
3	Postmenopausal hormone replacement therapy modifies skeletal muscle composition and function: a study with monozygotic twin pairs. <i>Journal of Applied Physiology</i> , 2009, 107, 25-33.	1.2	127
4	GEG Participates in the Regulation of Cell and Organ Shape during Corolla and Carpel Development in <i>Gerbera hybrida</i> . <i>Plant Cell</i> , 1999, 11, 1093-1104.	3.1	125
5	Genetic architecture of human plasma lipidome and its link to cardiovascular disease. <i>Nature Communications</i> , 2019, 10, 4329.	5.8	120
6	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. <i>Nature</i> , 2020, 586, 769-775.	13.7	101
7	Aging of the musculoskeletal system: How the loss of estrogen impacts muscle strength. <i>Bone</i> , 2019, 123, 137-144.	1.4	98
8	Muscle and bone mass in middle-aged women: role of menopausal status and physical activity. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 698-709.	2.9	95
9	Differential influence of peripheral and systemic sex steroids on skeletal muscle quality in pre- and postmenopausal women. <i>Aging Cell</i> , 2011, 10, 650-660.	3.0	89
10	Estrogen Regulates the Satellite Cell Compartment in Females. <i>Cell Reports</i> , 2019, 28, 368-381.e6.	2.9	79
11	Postexercise Myostatin and Activin IIb mRNA Levels. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 289-297.	0.2	74
12	Sex hormones and skeletal muscle weakness. <i>Biogerontology</i> , 2013, 14, 231-245.	2.0	73
13	The Older Finnish Twin Cohort – 45 Years of Follow-up. <i>Twin Research and Human Genetics</i> , 2019, 22, 240-254.	0.3	68
14	Differences in Muscle and Adipose Tissue Gene Expression and Cardio-Metabolic Risk Factors in the Members of Physical Activity Discordant Twin Pairs. <i>PLoS ONE</i> , 2010, 5, e12609.	1.1	65
15	Hormone replacement therapy improves contractile function and myonuclear organization of single muscle fibres from postmenopausal monozygotic female twin pairs. <i>Journal of Physiology</i> , 2013, 591, 2333-2344.	1.3	62
16	Physical performance in relation to menopause status and physical activity. <i>Menopause</i> , 2018, 25, 1432-1441.	0.8	62
17	The dibenzodioxocin lignin substructure is abundant in the inner part of the secondary wall in Norway spruce and silver birch xylem. <i>Planta</i> , 2004, 218, 497-500.	1.6	60
18	Functional characterization of B class MADS-box transcription factors in <i>Gerbera hybrida</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 75-85.	2.4	58

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19	Toll-like receptor 5 in obesity: The role of gut microbiota and adipose tissue inflammation. <i>Obesity</i> , 2015, 23, 581-590.	1.5	50
20	Estrogenic regulation of skeletal muscle proteome: a study of premenopausal women and postmenopausal MZ cotwins discordant for hormonal therapy. <i>Aging Cell</i> , 2017, 16, 1276-1287.	3.0	50
21	Design and protocol of Estrogenic Regulation of Muscle Apoptosis (ERMA) study with 47 to 55-year-old women's cohort: novel results show menopause-related differences in blood count. <i>Menopause</i> , 2018, 25, 1020-1032.	0.8	48
22	Hormone replacement therapy enhances IGF-1 signaling in skeletal muscle by diminishing miR-182 and miR-223 expressions: a study on postmenopausal monozygotic twin pairs. <i>Aging Cell</i> , 2014, 13, 850-861.	3.0	47
23	Role of Menopausal Transition and Physical Activity in Loss of Lean and Muscle Mass: A Follow-Up Study in Middle-Aged Finnish Women. <i>Journal of Clinical Medicine</i> , 2020, 9, 1588.	1.0	47
24	Effects of combined hormone replacement therapy or its effective agents on the IGF-1 pathway in skeletal muscle. <i>Growth Hormone and IGF Research</i> , 2010, 20, 372-379.	0.5	45
25	Circulating miR-21, miR-146a and Fas ligand respond to postmenopausal estrogen-based hormone replacement therapy – A study with monozygotic twin pairs. <i>Mechanisms of Ageing and Development</i> , 2014, 143-144, 1-8.	2.2	45
26	Intramuscular sex steroid hormones are associated with skeletal muscle strength and power in women with different hormonal status. <i>Aging Cell</i> , 2015, 14, 236-248.	3.0	38
27	Female reproductive factors are associated with objectively measured physical activity in middle-aged women. <i>PLoS ONE</i> , 2017, 12, e0172054.	1.1	38
28	Menopausal Status and Physical Activity Are Independently Associated With Cardiovascular Risk Factors of Healthy Middle-Aged Women: Cross-Sectional and Longitudinal Evidence. <i>Frontiers in Endocrinology</i> , 2019, 10, 589.	1.5	36
29	Transcriptional analysis of petal organogenesis in <i>Gerbera hybrida</i> . <i>Planta</i> , 2007, 226, 347-360.	1.6	35
30	Combination of hormone replacement therapy and high physical activity is associated with differences in Achilles tendon size in monozygotic female twin pairs. <i>Journal of Applied Physiology</i> , 2009, 106, 1332-1337.	1.2	35
31	Muscular Transcriptome in Postmenopausal Women With or Without Hormone Replacement. <i>Rejuvenation Research</i> , 2007, 10, 485-500E.	0.9	34
32	Metabolic health, menopause, and physical activity – a 4-year follow-up study. <i>International Journal of Obesity</i> , 2022, 46, 544-554.	1.6	33
33	Power training and postmenopausal hormone therapy affect transcriptional control of specific co-regulated gene clusters in skeletal muscle. <i>Age</i> , 2010, 32, 347-363.	3.0	32
34	Global gene expression profiles in skeletal muscle of monozygotic female twins discordant for hormone replacement therapy. <i>Aging Cell</i> , 2010, 9, 1098-1110.	3.0	32
35	Age and estrogen-based hormone therapy affect systemic and local IL-6 and IGF-1 pathways in women. <i>Age</i> , 2012, 34, 1249-1260.	3.0	32
36	Aging and serum exomiR content in women-effects of estrogenic hormone replacement therapy. <i>Scientific Reports</i> , 2017, 7, 42702.	1.6	29

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37	Menopause and adipose tissue: miR-19a-3p is sensitive to hormonal replacement. <i>Oncotarget</i> , 2018, 9, 2279-2294.	0.8	26
38	Hormone therapy is associated with better body composition and adipokine/glucose profiles. <i>Menopause</i> , 2012, 19, 1329-1335.	0.8	23
39	Biological clocks and physical functioning in monozygotic female twins. <i>BMC Geriatrics</i> , 2018, 18, 83.	1.1	22
40	MicroRNAs in Extracellular Vesicles in Sweat Change in Response to Endurance Exercise. <i>Frontiers in Physiology</i> , 2020, 11, 676.	1.3	22
41	The role of physical activity in the link between menopausal status and mental well-being. <i>Menopause</i> , 2020, 27, 398-409.	0.8	22
42	Muscle function in monozygotic female twin pairs discordant for hormone replacement therapy. <i>Muscle and Nerve</i> , 2011, 44, 769-775.	1.0	21
43	Physical Performance During the Menopausal Transition and the Role of Physical Activity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1587-1590.	1.7	20
44	Validity and Reliability of a Single Question for Leisure-Time Physical Activity Assessment in Middle-Aged Women. <i>Journal of Aging and Physical Activity</i> , 2020, 28, 231-241.	0.5	20
45	Catechol-O-Methyltransferase Gene Polymorphism Is Associated with Skeletal Muscle Properties in Older Women Alone and Together with Physical Activity. <i>PLoS ONE</i> , 2008, 3, e1819.	1.1	19
46	Total and regional body adiposity increases during menopause—evidence from a follow-up study. <i>Aging Cell</i> , 2022, 21, e13621.	3.0	19
47	Adolescent Sport Participation and Age at Menarche in Relation to Midlife Body Composition, Bone Mineral Density, Fitness, and Physical Activity. <i>Journal of Clinical Medicine</i> , 2020, 9, 3797.	1.0	18
48	OGT and OGA expression in postmenopausal skeletal muscle associates with hormone replacement therapy and muscle cross-sectional area. <i>Experimental Gerontology</i> , 2013, 48, 1501-1504.	1.2	17
49	Effects of resistance training on expression of IGF1 splice variants in younger and older men. <i>European Journal of Sport Science</i> , 2016, 16, 1055-1063.	1.4	17
50	Accelerometer-measured and self-reported physical activity in relation to extraversion and neuroticism: a cross-sectional analysis of two studies. <i>BMC Geriatrics</i> , 2020, 20, 264.	1.1	17
51	Floral Developmental Genetics of <i>Gerbera</i> (Asteraceae). <i>Advances in Botanical Research</i> , 2006, , 323-351.	0.5	16
52	Hormone Replacement Therapy Associated White Blood Cell DNA Methylation and Gene Expression are Associated With Within-Pair Differences of Body Adiposity and Bone Mass. <i>Twin Research and Human Genetics</i> , 2015, 18, 647-661.	0.3	16
53	Blood and skeletal muscle ageing determined by epigenetic clocks and their associations with physical activity and functioning. <i>Clinical Epigenetics</i> , 2021, 13, 110.	1.8	15
54	Do Epigenetic Clocks Provide Explanations for Sex Differences in Life Span? A Cross-Sectional Twin Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1898-1906.	1.7	15

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55	Cannabinoid receptor 1 and acute resistance exercise “ In vivo and in vitro studies in human skeletal muscle. <i>Peptides</i> , 2015, 67, 55-63.	1.2	13
56	Estradiol deficiency and skeletal muscle apoptosis: Possible contribution of microRNAs. <i>Experimental Gerontology</i> , 2021, 147, 111267.	1.2	12
57	Personality Traits and Changes in Health Behaviors and Depressive Symptoms during the COVID-19 Pandemic: A Longitudinal Analysis from Pre-pandemic to Onset and End of the Initial Emergency Conditions in Finland. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7732.	1.2	12
58	Adipocytes as a Link Between Gut Microbiota-Derived Flagellin and Hepatocyte Fat Accumulation. <i>PLoS ONE</i> , 2016, 11, e0152786.	1.1	12
59	Associations of Sex Hormones and Hormonal Status With Arterial Stiffness in a Female Sample From Reproductive Years to Menopause. <i>Frontiers in Endocrinology</i> , 2021, 12, 765916.	1.5	12
60	Declining Physical Performance Associates with Serum FasL, miR-21, and miR-146a in Aging Sprinters. <i>BioMed Research International</i> , 2017, 2017, 1-14.	0.9	11
61	Associations of physical performance and physical activity with mental well-being in middle-aged women. <i>BMC Public Health</i> , 2021, 21, 1448.	1.2	11
62	Personality, motivational, and social cognition predictors of leisure-time physical activity. <i>Psychology of Sport and Exercise</i> , 2022, 60, 102135.	1.1	11
63	Fat oxidation at rest and during exercise in male monozygotic twins. <i>European Journal of Applied Physiology</i> , 2019, 119, 2711-2722.	1.2	7
64	Physical activity responsive miRNAs “ Potential mediators of training responses in human skeletal muscle?. <i>Journal of Sport and Health Science</i> , 2013, 2, 101-103.	3.3	6
65	Perimenopausal women show modulation of excitatory and inhibitory neuromuscular mechanisms. <i>BMC Women’s Health</i> , 2021, 21, 133.	0.8	6
66	Body Weight, Physical Activity, and Risk of Cancer in Lynch Syndrome. <i>Cancers</i> , 2021, 13, 1849.	1.7	6
67	Leukocyte and Skeletal Muscle Telomere Length and Body Composition in Monozygotic Twin Pairs Discordant for Long-term Hormone Replacement Therapy. <i>Twin Research and Human Genetics</i> , 2017, 20, 119-131.	0.3	5
68	Predicting the age at natural menopause in middle-aged women. <i>Menopause</i> , 2021, 28, 792-799.	0.8	5
69	Associations of resting and peak fat oxidation with sex hormone profile and blood glucose control in middle-aged women. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2022, , .	1.1	3
70	Estrogen regulates muscle bioenergetic signaling. <i>Aging</i> , 2018, 10, 160-161.	1.4	2
71	Effect of the Menopausal Transition on Physical Performance: A Longitudinal Study. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 572-572.	0.2	1
72	Sprint and Strength Training Modulates Autophagy and Proteostasis in Aging Sprinters. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1948-1959.	0.2	1

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73	Bidirectional associations between cognitive functions and walking performance among middle-aged women. <i>Menopause</i> , 2022, 29, 200-209.	0.8	1
74	Hormonal Status As Determinant Of Serum Exosomal MicroRNA Content In Pre- And Postmenopausal Women. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 634.	0.2	0
75	Youth Participation in Competitive Sports Associates with Midlife Lean Body Mass and Physical Activity. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 454.	0.2	0