

# Aare Martson

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,088  
citations

430754

18  
h-index

477173

29  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blocking Tumor-Educated MSC Paracrine Activity Halts Osteosarcoma Progression. <i>Clinical Cancer Research</i> , 2017, 23, 3721-3733.	3.2	150
2	Whole transcriptome analysis identifies differentially regulated networks between osteosarcoma and normal bone samples. <i>Experimental Biology and Medicine</i> , 2017, 242, 1802-1811.	1.1	68
3	Operative versus non-operative treatment for 2-part proximal humerus fracture: A multicenter randomized controlled trial. <i>PLoS Medicine</i> , 2019, 16, e1002855.	3.9	57
4	Pathophysiological landscape of osteoarthritis. <i>Advances in Clinical Chemistry</i> , 2021, 100, 37-90.	1.8	56
5	Treatment of children with Osteogenesis imperfecta in Estonia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2003, 92, 452-455.	0.7	41
6	Analysis of the Expression of Repetitive DNA Elements in Osteosarcoma. <i>Frontiers in Genetics</i> , 2017, 8, 193.	1.1	33
7	Mutation analysis of the COL1A1 and COL1A2 genes in Vietnamese patients with osteogenesis imperfecta. <i>Human Genomics</i> , 2016, 10, 27.	1.4	32
8	Mutational analysis of COL1A1 and COL1A2 genes among Estonian osteogenesis imperfecta patients. <i>Human Genomics</i> , 2017, 11, 19.	1.4	32
9	Metabolic factors and oxidative stress in osteoarthritis: a case-control study. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2017, 77, 520-526.	0.6	32
10	Blood serum metabolome of atopic dermatitis: Altered energy cycle and the markers of systemic inflammation. <i>PLoS ONE</i> , 2017, 12, e0188580.	1.1	29
11	COL1A1/2 Pathogenic Variants and Phenotype Characteristics in Ukrainian Osteogenesis Imperfecta Patients. <i>Frontiers in Genetics</i> , 2019, 10, 722.	1.1	29
12	The effect of lengthening of the femur on the extensors of the knee. An electromyographic study.. <i>Journal of Bone and Joint Surgery - Series A</i> , 1995, 77, 247-250.	1.4	28
13	Whole exome sequencing of a single osteosarcoma case-integrative analysis with whole transcriptome RNA-seq data. <i>Human Genomics</i> , 2014, 8, 20.	1.4	27
14	Quadriceps femoris muscle function prior and after total knee arthroplasty in women with knee osteoarthritis. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2012, 20, 2017-2025.	2.3	26
15	Upregulation of 15 Antisense Long Non-Coding RNAs in Osteosarcoma. <i>Genes</i> , 2021, 12, 1132.	1.0	26
16	Proliferation of Human Primary Myoblasts Is Associated with Altered Energy Metabolism in Dependence on Ageing <i>In Vivo</i> and <i>In Vitro</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	1.9	21
17	Medium- and long-chain acylcarnitines are associated with osteoarthritis severity and arterial stiffness in end-stage osteoarthritis patients: a case-control study. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 1211-1218.	0.9	21
18	Metabolomic Signature of Amino Acids, Biogenic Amines and Lipids in Blood Serum of Patients with Severe Osteoarthritis. <i>Metabolites</i> , 2020, 10, 323.	1.3	21

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19	Synovium-Synovial Fluid Axis in Osteoarthritis Pathology: A Key Regulator of the Cartilage Degradation Process. <i>Genes</i> , 2021, 12, 989.	1.0	21
20	Inter-observer reliability in the assessment of heterotopic ossification: proposal of a combined classification. <i>International Orthopaedics</i> , 2005, 29, 156-159.	0.9	19
21	Prevalence of anterior knee pain among patients following total knee arthroplasty with nonreplaced patella: A retrospective study of 1778 knees. <i>Medicina (Lithuania)</i> , 2014, 50, 82-86.	0.8	19
22	The clinical features of osteogenesis imperfecta in Vietnam. <i>International Orthopaedics</i> , 2017, 41, 21-29.	0.9	18
23	Severity of Osteoarthritis Is Associated with Increased Arterial Stiffness. <i>International Journal of Rheumatology</i> , 2016, 2016, 1-7.	0.9	17
24	Reproductive options for families at risk of Osteogenesis Imperfecta: a review. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 128.	1.2	17
25	Inter- and Intrafamilial Phenotypic Variability in Individuals with Collagen-Related Osteogenesis Imperfecta. <i>Clinical and Translational Science</i> , 2020, 13, 960-971.	1.5	16
26	Anterior knee pain following total knee replacement correlates with the OARSI score of the cartilage of the patella. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 85, 427-432.	1.2	15
27	IFITM5 pathogenic variant causes osteogenesis imperfecta V with various phenotype severity in Ukrainian and Vietnamese patients. <i>Human Genomics</i> , 2019, 13, 25.	1.4	15
28	Laminin-rich blood vessels display activated growth factor signaling and act as the proliferation centers in Dupuytren's contracture. <i>Arthritis Research and Therapy</i> , 2015, 17, 144.	1.6	14
29	De novo and inherited pathogenic variants in collagen-related osteogenesis imperfecta. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e559.	0.6	14
30	Estonian hip fracture data from 2009 to 2017: high rates of non-operative management and high 1-year mortality. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 90, 159-164.	1.2	13
31	Transcriptome analysis of osteosarcoma identifies suppression of wnt pathway and up-regulation of adiponectin as potential biomarker. <i>Genomics Discovery</i> , 2013, 1, 3.	0.2	13
32	Use of a national database as a tool to identify primary medication non-adherence: The Estonian ePrescription system. <i>Research in Social and Administrative Pharmacy</i> , 2018, 14, 776-783.	1.5	11
33	Intraobserver and interobserver reliability of recategorized Neer classification in differentiating 2-part surgical neck fractures from multi-fragmented proximal humeral fractures in 116 patients. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1756-1761.	1.2	11
34	Whole-exome sequencing identifies de novo mutation in the COL1A1 gene to underlie the severe osteogenesis imperfecta. <i>Human Genomics</i> , 2015, 9, 6.	1.4	10
35	Alternative splicing of leptin receptor overlapping transcript in osteosarcoma. <i>Experimental Biology and Medicine</i> , 2020, 245, 1437-1443.	1.1	10
36	The Genetic Variations Associated With Time to Aseptic Loosening After Total Joint Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 981-988.	1.5	9

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37	The patellar shift index: a reliable and valid measure for patellofemoral congruence following total knee arthroplasty with unresurfaced patella. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2013, 47, 323-329.	0.3	9
38	Increased arterial stiffness in patients with end-stage osteoarthritis: a case-control study. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 335.	0.8	8
39	Extensive limb lengthening in Ollier's disease: 25-year follow-up. <i>Medicina (Lithuania)</i> , 2005, 41, 861-6.	0.8	8
40	Occlusal features and need for orthodontic treatment in persons with osteogenesis imperfecta. <i>Clinical and Experimental Dental Research</i> , 2017, 3, 19-24.	0.8	7
41	Adherence to osteoporosis medicines in Estonia—a comprehensive 15-year retrospective prescriptions database study. <i>Archives of Osteoporosis</i> , 2017, 12, 59.	1.0	7
42	Mast Cells Differentiated in Synovial Fluid and Resident in Osteophytes Exalt the Inflammatory Pathology of Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 541.	1.8	7
43	Trends in and relation between hip fracture incidence and osteoporosis medication utilization and prices in Estonia in 2004–2015. <i>Archives of Osteoporosis</i> , 2017, 12, 48.	1.0	6
44	Parkinson's Disease and Symptomatic Osteoarthritis Are Independent Risk Factors of Falls in the Elderly. <i>Clinical Medicine Insights: Arthritis and Musculoskeletal Disorders</i> , 2019, 12, 117954411988493.	0.3	6
45	RNA sequencing analysis reveals increased expression of interferon signaling genes and dysregulation of bone metabolism affecting pathways in the whole blood of patients with osteogenesis imperfecta. <i>BMC Medical Genomics</i> , 2020, 13, 177.	0.7	6
46	Nonoperative hip fracture management practices and patient survival compared to surgical care: an analysis of Estonian population-wide data. <i>Archives of Osteoporosis</i> , 2021, 16, 101.	1.0	5
47	Use of drugs against osteoporosis in the Baltic countries during 2010–2014. <i>Medicina (Lithuania)</i> , 2016, 52, 315-320.	0.8	4
48	Featured Article: Transcriptional landscape analysis identifies differently expressed genes involved in follicle-stimulating hormone induced postmenopausal osteoporosis. <i>Experimental Biology and Medicine</i> , 2017, 242, 203-213.	1.1	4
49	High variability in hip fracture post-acute care and dementia patients having worse chances of receiving rehabilitation: an analysis of population-based data from Estonia. <i>European Geriatric Medicine</i> , 2020, 11, 581-601.	1.2	4
50	Lack of a central role for osteoprogenitor cells from the femoral canal in heterotopic ossification of the hip. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2010, 92-B, 298-303.	3.4	3
51	Associations of Urinary Collagen II Neopeptide C2C with Total Knee Replacement Outcomes: Is OA a Systemic Disease in Rapidly Progressive Cases?. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 164.	1.3	3
52	Phenotypic Variation in Vietnamese Osteogenesis Imperfecta Patients Sharing a Recessive P3H1 Pathogenic Variant. <i>Genes</i> , 2022, 13, 407.	1.0	2
53	Causal variation modelling identifies large inter- and intra-regional disparities in physical therapy offered to hip fracture patients in Estonia. <i>Disability and Rehabilitation</i> , 2021, , 1-9.	0.9	1
54	Orthopedic surgery in Estonia. <i>Acta Orthopaedica</i> , 2000, 71, 227-231.	1.4	0

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55	Are acylcarnitines new biomarkers for OA?. <i>Osteoarthritis and Cartilage</i> , 2018, 26, S194-S195.	0.6	0
56	AB1323â€¦OSTEOPHYTOSIS PROCESS SUGGEST INVOLVEMENT OF MAST CELLS, REVEALED BY WHOLE TRANSCRIPTOME ANALYSIS OF OSTEOPHYTES FROM KNEE OSTEOARTHRITIS PATIENTS. , 2019, , .		0
57	Whole transcriptome analysis to reveal differentially expressed genes between paired osteosarcoma and normal bone samples.. <i>Journal of Clinical Oncology</i> , 2016, 34, e22508-e22508.	0.8	0
58	Isolated greater trochanter fracture may impose a comparable risk on older patientsâ€™ survival as a conventional hip fracture: a population-wide cohort study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 394.	0.8	0