Eero Vuorio

List of Publications by Year in Descending Order

92 papers	5,236 citations	42 h-index	71 g-index
92 ext. papers	5,468 ext. citations	7.5 avg, IF	4.87 L-index

#	Paper	IF	Citations
92	Roadmap for a precision-medicine initiative in the Nordic region. *Nature Genetics*, **2019**, 51, 924-930	36.3	12
91	Networking Biobanks Throughout Europe: The Development of BBMRI-ERIC **2017**, 137-153		5
90	Osteoclast-specific cathepsin K deletion stimulates S1P-dependent bone formation. *Journal of Clinical Investigation*, **2013**, 123, 666-81	15.9	203
89	Cathepsin K deficiency aggravates lung injury in hyperoxia-exposed newborn mice. *Experimental Lung Research*, **2011**, 37, 408-18	2.3	9
88	Mice with tissue inhibitor of metalloproteinases 4 (Timp4) deletion succumb to induced myocardial infarction but not to cardiac pressure overload. *Journal of Biological Chemistry*, **2010**, 285, 24487-93	5.4	68
87	Overexpression of cathepsin K accelerates the resorption cycle and osteoblast differentiation in vitro. *Bone*, **2009**, 44, 717-28	4.7	21
86	Analysis of arthritic lesions in the Del1 mouse: a model for osteoarthritis. *Methods in Molecular Medicine*, **2007**, 136, 283-302		6
85	Individual Timp deficiencies differentially impact pro-MMP-2 activation. *Journal of Biological Chemistry*, **2006**, 281, 10337-46	5.4	95
84	Effect of zoledronic acid on incorporation of a bioceramic bone graft substitute. *Bone*, **2006**, 38, 432-43	4.7	24
83	Tissue inhibitor of metalloproteinases 4 (TIMP4) is involved in inflammatory processes of human cardiovascular pathology. *Histochemistry and Cell Biology*, **2006**, 126, 335-42	2.4	64
82	Molecular profiling of polycystic ovaries for markers of cell invasion and matrix turnover. *Fertility and Sterility*, **2005**, 83, 937-44	4.8	28
81	Differential turnover of cortical and trabecular bone in transgenic mice overexpressing cathepsin K. *Bone*, **2005**, 36, 854-65	4.7	35
80	Impaired bone resorption in cathepsin K-deficient mice is partially compensated for by enhanced osteoclastogenesis and increased expression of other proteases via an increased RANKL/OPG ratio. *Bone*, **2005**, 36, 159-72	4.7	136
79	Spontaneous development of synovitis and cartilage degeneration in transgenic mice overexpressing cathepsin K. *Arthritis and Rheumatism*, **2005**, 52, 3713-7		62
78	Temporospatial expression of matrix metalloproteinases and tissue inhibitors of matrix metalloproteinases in mouse antigen-induced arthritis. *Histochemistry and Cell Biology*, **2005**, 124, 535-45	2.4	10
77	Generation and use of transgenic mice as models of osteoarthritis. *Methods in Molecular Medicine*, **2004**, 101, 1-23		8
76	Mice with a deletion in the first intron of the Col1a1 gene develop age-dependent aortic dissection and rupture. *Circulation Research*, **2004**, 94, 83-90	15.7	52

75	Collagens and collagen-related matrix components in the human and mouse eye. *Progress in Retinal and Eye Research*, **2004**, 23, 403-34	20.5	122
74	Expression patterns of cartilage collagens and Sox9 during mouse heart development. *Histochemistry and Cell Biology*, **2003**, 120, 103-10	2.4	25
73	Molecular profiling of human chondrosarcomas for matrix production and cancer markers. *International Journal of Cancer*, **2002**, 100, 144-51	7.5	50
72	Altered expression of genes involved in the production and degradation of endometrial extracellular matrix in patients with unexplained infertility and recurrent miscarriages. *Molecular Human Reproduction*, **2002**, 8, 1111-6	4.4	44
71	Ultrastructural characterization of developmental and degenerative vitreo-retinal changes in the eyes of transgenic mice with a deletion mutation in type II collagen gene. *Current Eye Research*, **2002**, 24, 439-50	2.9	6
70	Physical mapping of mouse collagen genes on chromosome 10 by high-resolution FISH. *Mammalian Genome*, **2001**, 12, 340-6	3.2	3
69	Silica-based bioactive glasses modulate expression of bone morphogenetic protein-2 mRNA in Saos-2 osteoblasts in vitro. *Biomaterials*, **2001**, 22, 1475-83	15.6	115
68	Expression of Sox9 and type IIA procollagen during attempted repair of articular cartilage damage in a transgenic mouse model of osteoarthritis. *Arthritis and Rheumatism*, **2001**, 44, 947-55		72
67	Accelerated turnover of metaphyseal trabecular bone in mice overexpressing cathepsin K. *Journal of Bone and Mineral Research*, **2001**, 16, 1444-52	6.3	100
66	Accelerated up-regulation of L-Sox5, Sox6, and Sox9 by BMP-2 gene transfer during murine fracture healing. *Journal of Bone and Mineral Research*, **2001**, 16, 1837-45	6.3	49
65	Age-dependent changes in the expression of matrix components in the mouse eye. *Experimental Eye Research*, **2001**, 72, 423-31	3.7	29
64	Stage-and tissue-specific expression of a Col2a1-Cre fusion gene in transgenic mice. *Matrix Biology*, **2001**, 19, 761-7	11.4	81
63	Cysteine proteinases in chondrosarcomas. *Matrix Biology*, **2001**, 19, 717-25	11.4	25
62	Induction of periosteal callus formation by bone morphogenetic protein-2 employing adenovirus-mediated gene delivery. *Matrix Biology*, **2001**, 20, 123-7	11.4	22
61	Up-regulation of cartilage oligomeric matrix protein at the onset of articular cartilage degeneration in a transgenic mouse model of osteoarthritis. *Arthritis and Rheumatism*, **2000**, 43, 1742-8		52
60	Temporospatial expression of tissue inhibitors of matrix metalloproteinases-1, -2 and -3 during development, growth and aging of the mouse skeleton. *Histochemistry and Cell Biology*, **2000**, 114, 157-65	2.4	29
59	Characterization of recombinant human type IX collagen. Association of alpha chains into homotrimeric and heterotrimeric molecules. *Journal of Biological Chemistry*, **1999**, 274, 22464-8	5.4	34
58	Expression profiles of mRNAs for osteoblast and osteoclast proteins as indicators of bone loss in mouse immobilization osteopenia model. *Journal of Bone and Mineral Research*, **1999**, 14, 1934-42	6.3	56

57	Cathepsin expression during skeletal development. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1999**, 1446, 35-46		49
56	Complete genomic structure of the mouse cathepsin K gene (Ctsk) and its localization next to the Arnt gene on mouse chromosome 3. *Matrix Biology*, **1999**, 18, 155-61	11.4	8
55	Type X collagen, a natural component of mouse articular cartilage: association with growth, aging, and osteoarthritis. *Arthritis and Rheumatism*, **1998**, 41, 1287-95		64
54	Expression of type II and IX collagen isoforms during normal and pathological cartilage and eye development. *Histochemistry and Cell Biology*, **1998**, 110, 149-59	2.4	16
53	Production of cartilage collagens during metaphyseal bone healing in the mouse. *Matrix Biology*, **1998**, 17, 317-20	11.4	9
52	Incorporation of cortical bone allografts and autografts in rats: expression patterns of mRNAs for the TGF-betas. *Acta Orthopaedica*, **1998**, 69, 537-44		10
51	Gene therapy of single-gene disorders: preface to the special section. *Annals of Medicine*, **1997**, 29, 549-51	1.5	5
50	Developmental regulation of mRNA species for types II, IX and XI collagens during mouse embryogenesis. *Biochemical Journal*, **1997**, 324 (Pt 1), 209-16	3.8	19
49	Abnormal craniofacial growth and early mandibular osteoarthritis in mice harbouring a mutant type II collagen transgene. *Journal of Anatomy*, **1997**, 190 (Pt 2), 201-8	2.9	31
48	Collagenase-3 (MMP-13) is expressed by hypertrophic chondrocytes, periosteal cells, and osteoblasts during human fetal bone development. *Developmental Dynamics*, **1997**, 208, 387-97	2.9	225
47	Tissue distribution and phenotypic consequences of different type X collagen gene constructs in transgenic mice. *Annals of the New York Academy of Sciences*, **1996**, 785, 248-50	6.5	10
46	Growth retardation in transgenic mice harboring a type II collagen mutation. *Annals of the New York Academy of Sciences*, **1996**, 785, 328-30	6.5	3
45	Mouse cathepsin K: cDNA cloning and predominant expression of the gene in osteoclasts, and in some hypertrophying chondrocytes during mouse development. *FEBS Letters*, **1996**, 393, 307-13	3.8	85
44	Evidence for insufficient chondrocytic differentiation during repair of full-thickness defects of articular cartilage. *Matrix Biology*, **1996**, 15, 39-47	11.4	68
43	Variability in the upstream promoter and intron sequences of the human, mouse and chick type X collagen genes. *Matrix Biology*, **1996**, 15, 415-22	11.4	17
42	Expression and distribution of two alternatively spliced transcripts from the chicken α(VI) collagen gene. *Journal of Cellular Biochemistry*, **1996**, 63, 207-220	4.7	2
41	Towards genomic drug therapy with antisense oligonucleotides. *Annals of Medicine*, **1996**, 28, 511-22	1.5	16
40	Developmental expression of a type II collagen/beta-galactosidase fusion gene in transgenic mice. *Developmental Dynamics*, **1995**, 204, 202-10	2.9	24

39	Retarded chondrogenesis in transgenic mice with a type II collagen defect results in fracture healing abnormalities. *Developmental Dynamics*, **1994**, 200, 340-9	2.9	27
38	Cloning of cDNA for rat pro1(III) collagen mRNA. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1994**, 1217, 31-40		2
37	Analysis of aggrecan and tenascin gene expression in mouse skeletal tissues by northern and in situ hybridization using species specific cDNA probes. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1994**, 1219, 613-22		36
36	Normal long bone growth and development in type X collagen-null mice. *Nature Genetics*, **1994**, 8, 129-35	36.3	129
35	Characterization of primary cultures of chondrocytes from type II collagen/beta-galactosidase transgenic mice. *Matrix Biology*, **1994**, 14, 329-35	11.4	139
34	The genes encoding alpha 2(IX) collagen (COL9A2) map to human chromosome 1p32.3-p33 and mouse chromosome 4. *Genomics*, **1994**, 23, 158-62	4.3	20
33	Autoimmune recognition of cartilage collagens. *Annals of Medicine*, **1993**, 25, 251-64	1.5	39
32	A standardized experimental fracture in the mouse tibia. *Journal of Orthopaedic Research*, **1993**, 11, 305-12	3.8	153
31	Molecular cloning of the human alpha 2(IX) collagen cDNA and assignment of the human COL9A2 gene to chromosome 1. *FEBS Letters*, **1993**, 319, 177-80	3.8	27
30	Transgenic mice as models for heritable diseases. *Annals of Medicine*, **1992**, 24, 117-20	1.5	8
29	Specific hybridization probes for mouse alpha 2(IX) and alpha 1(X) collagen mRNAs. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1992**, 1130, 78-80		25
28	Comparative effects of interleukin-1 and tumor necrosis factor-alpha on collagen production and corresponding procollagen mRNA levels in human dermal fibroblasts. *Journal of Investigative Dermatology*, **1991**, 96, 243-9	4.3	96
27	Reduced amounts of cartilage collagen fibrils and growth plate anomalies in transgenic mice harboring a glycine-to-cysteine mutation in the mouse type II procollagen alpha 1-chain gene. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 9648-52	11.5	122
26	Specific hybridization probes for mouse type I, II, III and IX collagen mRNAs. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1991**, 1089, 241-3		133
25	Comparison on collagen gene expression in the developing chick embryo tendon and heart. Tissue and development time-dependent action of dexamethasone. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1991**, 1089, 40-6		39
24	The 1 Chain of Type XIII Collagen. *Annals of the New York Academy of Sciences*, **1990**, 580, 440-443	6.5	7
23	The family of collagen genes. *Annual Review of Biochemistry*, **1990**, 59, 837-72	29.1	448
22	Growth-dependent modulation of type I collagen production and mRNA levels in cultured human skin fibroblasts. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1990**, 1049, 171-6		30

21	Localization of osteonectin expression in human fetal skeletal tissues by in situ hybridization. *Calcified Tissue International*, **1989**, 45, 146-52	3.9	51
20	Predisposition to familial osteoarthrosis linked to type II collagen gene. *Lancet, The*, **1989**, 1, 924-7	40	120
19	Construction of a human pro alpha 1(III) collagen cDNA clone and localization of type III collagen expression in human fetal tissues. *Matrix Biology*, **1989**, 9, 82-91		51
18	Expression of mRNAs for collagens and other matrix components in dedifferentiating and redifferentiating human chondrocytes in culture. *FEBS Letters*, **1989**, 258, 195-8	3.8	74
17	Arthritis-associated changes in flow cytometric characteristics of cultured synovial fibroblasts. *Arthritis and Rheumatism*, **1988**, 31, 339-47		7
16	Expression of the c-Ha-ras and neu oncogenes in DMBA-induced, anti-estrogen-treated rat mammary tumors. *International Journal of Cancer*, **1988**, 42, 774-9	7.5	18
15	Identification of fibroblasts responsible for increased collagen production in localized scleroderma by in situ hybridization. *Journal of Investigative Dermatology*, **1988**, 90, 664-70	4.3	150
14	Interferon-alpha and interferon-gamma reduce excessive collagen synthesis and procollagen mRNA levels of scleroderma fibroblasts in culture. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1988**, 968, 45-50	4.9	53
13	Human pro alpha 1(I) collagen: cDNA sequence for the C-propeptide domain. *Nucleic Acids Research*, **1988**, 16, 349	20.1	71
12	Localization of types I, II, and III collagen mRNAs in developing human skeletal tissues by in situ hybridization. *Journal of Cell Biology*, **1987**, 104, 1077-84	7.3	294
11	Determination of the single polyadenylation site of the human pro alpha 1(II) collagen gene. *Nucleic Acids Research*, **1987**, 15, 9499-504	20.1	49
10	Interleukin-1 increases collagen production and mRNA levels in cultured skin fibroblasts. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1987**, 929, 142-7	4.9	110
9	Elevated pro alpha 2(I) collagen mRNA levels in cultured scleroderma fibroblasts result from an increased transcription rate of the corresponding gene. *FEBS Letters*, **1987**, 215, 331-4	3.8	54
8	Differential expression of fibrillar collagen genes during callus formation. *Biochemical and Biophysical Research Communications*, **1987**, 142, 536-41	3.4	34
7	Collagen synthesis in the vaginal connective tissue of patients with and without uterine prolapse. *European Journal of Obstetrics, Gynecology and Reproductive Biology*, **1987**, 24, 319-25	2.4	31
6	Activation of type I collagen genes in cultured scleroderma fibroblasts. *Journal of Cellular Biochemistry*, **1985**, 28, 105-13	4.7	38
5	Characterization of plasma membranes and rough endoplasmic reticulum of synovial cells cultured from rheumatoid arthritis patients. *Scandinavian Journal of Rheumatology*, **1984**, 13, 247-56	1.9	6
4	Increased type I collagen mRNA levels in cultured scleroderma fibroblasts. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1984**, 781, 183-6		59

3	Construction and partial characterization of two recombinant cDNA clones for procollagen from chicken cartilage. *Nucleic Acids Research*, **1982**, 10, 1175-92	20.1	57
2	Effects of sodium aurothiomalate on hyaluronic acid synthesis in normal and rheumatoid synovial fibroblast cultures. *Scandinavian Journal of Rheumatology*, **1979**, 8, 173-6	1.9	5
1	Effects of cortisol on glycosaminoglycans synthesized by normal and rheumatoid synovial fibroblasts in vitro. *Scandinavian Journal of Rheumatology*, **1977**, 6, 222-4	1.9	11