John F Bateman

List of Publications by Year
in descending order

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149 papers	7,070 citations	44069 48 h-index	69250 77 g-index
156 all docs	156 docs citations	156 times ranked	7619 citing authors

#	Article	IF	Citations
1	Collagen misfolding mutations: the contribution of the unfolded protein response to the molecular pathology. Connective Tissue Research, 2022, 63, 210-227.	2.3	7
2	The effect of carbamazepine on bone structure and strength in control and osteogenesis imperfecta (Col1a2^{+/p.G610C}) mice. Journal of Cellular and Molecular Medicine, 2022, 26, 4021-4031.	3.6	4
3	Generation of a miR-26b stem-loop knockout human iPSC line, MCRIi019-A-1, using CRISPR/Cas9 editing. Stem Cell Research, 2021, 50, 102118.	0.7	0
4	Generation of a heterozygous COL2A1 (p.G1113C) hypochondrogenesis mutation iPSC line, MCRIi019-A-7, using CRISPR/Cas9 gene editing. Stem Cell Research, 2021, 56, 102515.	0.7	4
5	Genetic Disorders of the Extracellular Matrix. Anatomical Record, 2020, 303, 1527-1542.	1.4	56
6	Generation of a SOX9-tdTomato reporter human iPSC line, MCRIi001-A-2, using CRISPR/Cas9 editing. Stem Cell Research, 2020, 42, 101689.	0.7	6
7	CRISPR/Cas9 gene editing of a SOX9 reporter human iPSC line to produce two TRPV4 patient heterozygous missense mutant iPSC lines, MCRIi001-A-3 (TRPV4 p.F273L) and MCRIi001-A-4 (TRPV4 p.P799L). Stem Cell Research, 2020, 48, 101942.	0.7	2
8	CRISPR/Cas9 editing to generate a heterozygous COL2A1 p.G1170S human chondrodysplasia iPSC line, MCRIi019-A-2, in a control iPSC line, MCRIi019-A. Stem Cell Research, 2020, 48, 101962.	0.7	7
9	Identification of the skeletal progenitor cells forming osteophytes in osteoarthritis. Annals of the Rheumatic Diseases, 2020, 79, 1625-1634.	0.9	48
10	Ablation of the miRNA Cluster 24 Has Profound Effects on Extracellular Matrix Protein Abundance in Cartilage. International Journal of Molecular Sciences, 2020, 21, 4112.	4.1	5
11	Generation of a heterozygous COL2A1 (p.R989C) spondyloepiphyseal dysplasia congenita mutation iPSC line, MCRIi001-B, using CRISPR/Cas9 gene editing. Stem Cell Research, 2020, 45, 101843.	0.7	3
12	XBP1 signalling is essential for alleviating mutant protein aggregation in ER-stress related skeletal disease. PLoS Genetics, 2019, 15, e1008215.	3.5	16
13	Cartilage endoplasmic reticulum stress may influence the onset but not the progression of experimental osteoarthritis. Arthritis Research and Therapy, 2019, 21, 206.	3.5	14
14	Identification of Two Independent COL5A1 Variants in Dogs with Ehlersâ€“Danlos Syndrome. Genes, 2019, 10, 731.	2.4	13
15	Effect of rapamycin on bone mass and strength in the Î±2(I)â€G610C mouse model of osteogenesis imperfecta. Journal of Cellular and Molecular Medicine, 2019, 23, 1735-1745.	3.6	22
16	The use of simultaneous reprogramming and gene correction to generate an osteogenesis imperfecta patient COL1A1 c. 3936 G>T iPSC line and an isogenic control iPSC line. Stem Cell Research, 2019, 38, 101453.	0.7	8
17	Generation of a heterozygous COL1A1 (c.3969_3970insT) osteogenesis imperfecta mutation human iPSC line, MCRIi001-A-1, using CRISPR/Cas9 editing. Stem Cell Research, 2019, 37, 101449.	0.7	15
18	Collagen VI disorders: Insights on form and function in the extracellular matrix and beyond. Matrix Biology, 2018, 71-72, 348-367.	3.6	120

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19	Cartilage MicroRNA Dysregulation During the Onset and Progression of Mouse Osteoarthritis Is Independent of Aggrecanolysis and Overlaps With Candidates From Endâ€Stage Human Disease. Arthritis and Rheumatology, 2018, 70, 383-395.	5.6	21
20	Skeletal Dysplasias. , 2018, , 469-480.		1
21	Identification of TGFÎ²-related genes regulated in murine osteoarthritis and chondrocyte hypertrophy by comparison of multiple microarray datasets. Bone, 2018, 116, 67-77.	2.9	6
22	The intervertebral disc contains intrinsic circadian clocks that are regulated by age and cytokines and linked to degeneration. Annals of the Rheumatic Diseases, 2017, 76, 576-584.	0.9	122
23	Utility of circulating serum miRNAs as biomarkers of early cartilage degeneration in animal models of post-traumatic osteoarthritis and inflammatory arthritis. Osteoarthritis and Cartilage, 2017, 25, 426-434.	1.3	32
24	Comprehensive Expression Analysis of microRNAs and mRNAs in Synovial Tissue from a Mouse Model of Early Post-Traumatic Osteoarthritis. Scientific Reports, 2017, 7, 17701.	3.3	24
25	Increased intracellular proteolysis reduces disease severity in an ER stressâ€“associated dwarfism. Journal of Clinical Investigation, 2017, 127, 3861-3865.	8.2	50
26	Molecular Genetics of the Cartilage Collagenopathies. , 2017, , 99-133.		1
27	A dominant TRPV4 variant underlies osteochondrodysplasia in Scottish fold cats. Osteoarthritis and Cartilage, 2016, 24, 1441-1450.	1.3	32
28	Novel Elements of the Chondrocyte Stress Response Identified Using an in Vitro Model of Mouse Cartilage Degradation. Journal of Proteome Research, 2016, 15, 1033-1050.	3.7	27
29	XBP1-Independent UPR Pathways Suppress C/EBP-Î² Mediated Chondrocyte Differentiation in ER-Stress Related Skeletal Disease. PLoS Genetics, 2015, 11, e1005505.	3.5	31
30	Breeding Strategy Determines Rupture Incidence in Post-Infarct Healing WARPing Cardiovascular Research. PLoS ONE, 2015, 10, e0139199.	2.5	4
31	Cartilage-specific ablation of XBP1 signaling in mouse results in a chondrodysplasia characterized by reduced chondrocyte proliferation and delayed cartilage maturation and mineralization. Osteoarthritis and Cartilage, 2015, 23, 661-670.	1.3	38
32	A Mouse Splice-Site Mutant and Individuals with Atypical Chromosome 22q11.2 Deletions Demonstrate the Crucial Role for Crkl in Craniofacial and Pharyngeal Development. Molecular Syndromology, 2014, 5, 276-286.	0.8	11
33	The Circadian Clock in Murine Chondrocytes Regulates Genes Controlling Key Aspects of Cartilage Homeostasis. Arthritis and Rheumatism, 2013, 65, 2334-2345.	6.7	117
34	Cauli: A Mouse Strain with an Ift140 Mutation That Results in a Skeletal Ciliopathy Modelling Jeune Syndrome. PLoS Genetics, 2013, 9, e1003746.	3.5	52
35	Comparative Proteomic Analysis of Normal and Collagen IX Null Mouse Cartilage Reveals Altered Extracellular Matrix Composition and Novel Components of the Collagen IX Interactome. Journal of Biological Chemistry, 2013, 288, 13481-13492.	3.4	46
36	Nonsense-mediated mRNA decay of collagen â€“ emerging complexity in RNA surveillance mechanisms. Journal of Cell Science, 2013, 126, 2551-60.	2.0	28

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37	Transcriptomics of Wildâ€Type Mice and Mice Lacking ADAMTSâ€5 Activity Identifies Genes Involved in Osteoarthritis Initiation and Cartilage Destruction. Arthritis and Rheumatism, 2013, 65, 1547-1560.	6.7	56
38	Maintaining mRNA Integrity during Decalcification of Mineralized Tissues. PLoS ONE, 2013, 8, e58154.	2.5	19
39	bfb, a Novel ENU-Induced blebs Mutant Resulting from a Missense Mutation in Fras1. PLoS ONE, 2013, 8, e76342.	2.5	7
40	Changes in the Chondrocyte and Extracellular Matrix Proteome during Post-natal Mouse Cartilage Development. Molecular and Cellular Proteomics, 2012, 11, M111.014159.	3.8	73
41	‹sup›1‹/sup›H NMR Spectroscopy of Serum Reveals Unique Metabolic Fingerprints Associated with Subtypes of Surgically Induced Osteoarthritis in Sheep. Journal of Proteome Research, 2012, 11, 4261-4268.	3.7	44
42	Depletion of annexin A5, annexin A6, and collagen X causes no gross changes in matrix vesicleâ€“mediated mineralization, but lack of collagen X affects hematopoiesis and the Th1/Th2 response. Journal of Bone and Mineral Research, 2012, 27, 2399-2412.	2.8	34
43	Clinical phenotypes associated with type II collagen mutations. Journal of Paediatrics and Child Health, 2012, 48, E38-43.	0.8	75
44	WARP Interacts with Collagen VI-Containing Microfibrils in the Pericellular Matrix of Human Chondrocytes. PLoS ONE, 2012, 7, e52793.	2.5	23
45	Transcriptional Profiling of Chondrodysplasia Growth Plate Cartilage Reveals Adaptive ER-Stress Networks That Allow Survival but Disrupt Hypertrophy. PLoS ONE, 2011, 6, e24600.	2.5	50
46	Recurrent Dominant Mutations Affecting Two Adjacent Residues in the Motor Domain of the Monomeric Kinesin KIF22 Result in Skeletal Dysplasia and Joint Laxity. American Journal of Human Genetics, 2011, 89, 767-772.	6.2	31
47	Cartilage Intermediate Layer Protein 2 (CILP-2) Is Expressed in Articular and Meniscal Cartilage and Down-regulated in Experimental Osteoarthritis. Journal of Biological Chemistry, 2011, 286, 37758-37767.	3.4	66
48	Mutations in TRPV4 cause an inherited arthropathy of hands and feet. Nature Genetics, 2011, 43, 1142-1146.	21.4	134
49	Deficiency of annexins A5 and A6 induces complex changes in the transcriptome of growth plate cartilage but does not inhibit the induction of mineralization. Journal of Bone and Mineral Research, 2010, 25, 141-153.	2.8	29
50	Sorting of growth plate chondrocytes allows the isolation and characterization of cells of a defined differentiation status. Journal of Bone and Mineral Research, 2010, 25, 1267-1281.	2.8	36
51	Premature arthritis is a distinct type II collagen phenotype. Arthritis and Rheumatism, 2010, 62, 1421-1430.	6.7	45
52	Comprehensive Profiling of Cartilage Extracellular Matrix Formation and Maturation Using Sequential Extraction and Label-free Quantitative Proteomics. Molecular and Cellular Proteomics, 2010, 9, 1296-1313.	3.8	73
53	Collagen VI Microfibril Formation Is Abolished by an Î±2(VI) von Willebrand Factor Type A Domain Mutation in a Patient with Ullrich Congenital Muscular Dystrophy. Journal of Biological Chemistry, 2010, 285, 33567-33576.	3.4	18
54	In vivo cellular adaptation to ER stress: survival strategies with double-edged consequences. Journal of Cell Science, 2010, 123, 2145-2154.	2.0	120

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55	S100A8 and S100A9 in experimental osteoarthritis. Arthritis Research and Therapy, 2010, 12, R16.	3.5	72
56	Autophagic Elimination of Misfolded Procollagen Aggregates in the Endoplasmic Reticulum as a Means of Cell Protection. Molecular Biology of the Cell, 2009, 20, 2744-2754.	2.1	187
57	Targeted Induction of Endoplasmic Reticulum Stress Induces Cartilage Pathology. PLoS Genetics, 2009, 5, e1000691.	3.5	127
58	Mice Lacking the Extracellular Matrix Protein WARP Develop Normally but Have Compromised Peripheral Nerve Structure and Function. Journal of Biological Chemistry, 2009, 284, 12020-12030.	3.4	34
59	Employing molecular genetics of chondrodysplasias to inform the study of osteoarthritis. Arthritis and Rheumatism, 2009, 60, 325-334.	6.7	43
60	Global comparative transcriptome analysis of cartilage formation in vivo. BMC Developmental Biology, 2009, 9, 20.	2.1	67
61	Genetic diseases of connective tissues: cellular and extracellular effects of ECM mutations. Nature Reviews Genetics, 2009, 10, 173-183.	16.3	276
62	Mutations in the Heparan-Sulfate Proteoglycan Glypican 6 (GPC6) Impair Endochondral Ossification and Cause Recessive Omodysplasia. American Journal of Human Genetics, 2009, 84, 760-770.	6.2	106
63	Proteomics makes progress in cartilage and arthritis research. Matrix Biology, 2009, 28, 121-128.	3.6	24
64	Cartilage proteomics: Challenges, solutions and recent advances. Proteomics - Clinical Applications, 2008, 2, 251-263.	1.6	8
65	Proteomic characterization of mouse cartilage degradation in vitro. Arthritis and Rheumatism, 2008, 58, 3120-3131.	6.7	58
66	Collagen VI glycine mutations: Perturbed assembly and a spectrum of clinical severity. Annals of Neurology, 2008, 64, 294-303.	5.3	61
67	Competency for Nonsense-Mediated Reduction in Collagen X mRNA Is Specified by the 3â€² UTR and Corresponds to the Position of Mutations in Schmid Metaphyseal Chondrodysplasia. American Journal of Human Genetics, 2008, 82, 786-793.	6.2	29
68	The extracellular matrix protein WARP is a novel component of a distinct subset of basement membranes. Matrix Biology, 2008, 27, 295-305.	3.6	18
69	A robust method for proteomic characterization of mouse cartilage using solubility-based sequential fractionation and two-dimensional gel electrophoresis. Matrix Biology, 2008, 27, 709-712.	3.6	20
70	Proteomic analysis of cartilage proteins. Methods, 2008, 45, 22-31.	3.8	32
71	A microarray approach for comparative expression profiling of the discrete maturation zones of mouse growth plate cartilage. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2008, 1779, 330-340.	1.9	28
72	Molecular consequences of dominant Bethlem myopathy collagen VI mutations. Annals of Neurology, 2007, 62, 390-405.	5.3	66

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73	Isolated Anxa5+/Sca-1+ perivascular cells from mouse meningeal vasculature retain their perivascular phenotype in vitro and in vivo. Experimental Cell Research, 2007, 313, 2730-2743.	2.6	39
74	Bulldog dwarfism in Dexter cattle is caused by mutations in ACAN. Mammalian Genome, 2007, 18, 808-814.	2.2	66
75	Surviving Endoplasmic Reticulum Stress Is Coupled to Altered Chondrocyte Differentiation and Function. PLoS Biology, 2007, 5, e44.	5.6	167
76	Proteomic analysis of mouse growth plate cartilage. Proteomics, 2006, 6, 6549-6553.	2.2	32
77	WARP Is a Novel Multimeric Component of the Chondrocyte Pericellular Matrix That Interacts with Perlecan. Journal of Biological Chemistry, 2006, 281, 7341-7349.	3.4	41
78	Mutations ofCOL10A1 in Schmid metaphyseal chondrodysplasia. Human Mutation, 2005, 25, 525-534.	2.5	64
79	ADAMTS-1-Knockout mice do not exhibit abnormalities in aggrecan turnover in vitro or in vivo. Arthritis and Rheumatism, 2005, 52, 1461-1472.	6.7	100
80	Misfolding of Collagen X Chains Harboring Schmid Metaphyseal Chondrodysplasia Mutations Results in Aberrant Disulfide Bond Formation, Intracellular Retention, and Activation of the Unfolded Protein Response. Journal of Biological Chemistry, 2005, 280, 15544-15552.	3.4	58
81	Familial scaphocephaly syndrome caused by a novel mutation in the FGFR2 tyrosine kinase domain. Journal of Medical Genetics, 2005, 42, 656-662.	3.2	30
82	Dominant collagen VI mutations are a common cause of Ullrich congenital muscular dystrophy. Human Molecular Genetics, 2004, 14, 279-293.	2.9	156
83	Why mice have lost genes for COL21A1, STK17A, GPR145 and AHRI: evidence for gene deletion at evolutionary breakpoints in the rodent lineage. Trends in Genetics, 2004, 20, 408-412.	6.7	32
84	Genetic Aspects of Osteoarthritis. Seminars in Arthritis and Rheumatism, 2004, 34, 15-18.	3.4	14
85	Identification of four novel COL10A1 missense mutations in schmid metaphyseal chondrodysplasia: Further evidence that collagen X NC1 mutations impair trimer assembly. Human Mutation, 2004, 23, 396-396.	2.5	20
86	Intracellular trafficking and degradation of unassociated proÎ±2 chains of collagen type I. Experimental Cell Research, 2004, 296, 307-316.	2.6	16
87	Is there an evolutionary relationship between WARP (von Willebrand factor A-domain-related protein) and the FACIT and FACIT-like collagens?. FEBS Letters, 2003, 552, 91-94.	2.8	6
88	Tissue-specific RNA surveillance? Nonsense-mediated mRNA decay causes collagen X haploinsufficiency in Schmid metaphyseal chondrodysplasia cartilage. Human Molecular Genetics, 2003, 12, 217-225.	2.9	122
89	Complexes of Matrilin-1 and Biglycan or Decorin Connect Collagen VI Microfibrils to Both Collagen II and Aggrecan. Journal of Biological Chemistry, 2003, 278, 37698-37704.	3.4	229
90	Pamidronate Treatment of Osteogenesis Imperfecta - Lack of Correlation Between Clinical Severity, Age at Onset of Treatment, Predicted Collagen Mutation and Treatment Response. Journal of Pediatric Endocrinology and Metabolism, 2002, 15, 163-74.	0.9	73

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91	The Globular Domain of the ProÎ±1(I) N-Propeptide Is Not Required for Secretion, Processing by Procollagen N-Proteinase, or Fibrillogenesis of Type I Collagen in Mice. Journal of Biological Chemistry, 2002, 277, 2605-2613.	3.4	21
92	Kinked Collagen VI Tetramers and Reduced Microfibril Formation as a Result of Bethlem Myopathy and Introduced Triple Helical Glycine Mutations. Journal of Biological Chemistry, 2002, 277, 1949-1956.	3.4	56
93	Collagen X Chains Harboring Schmid Metaphyseal Chondrodysplasia NC1 Domain Mutations Are Selectively Retained and Degraded in Stably Transfected Cells. Journal of Biological Chemistry, 2002, 277, 12516-12524.	3.4	29
94	MT1-MMP-Dependent and -Independent Regulation of Gelatinase A Activation in Long-Term, Ascorbate-Treated Fibroblast Cultures: Regulation by Fibrillar Collagen. Experimental Cell Research, 2002, 272, 109-118.	2.6	25
95	WARP is a new member of the von Willebrand factor A-domain superfamily of extracellular matrix proteins. FEBS Letters, 2002, 517, 61-66.	2.8	35
96	Familial digital arthropathy-brachydactyly. American Journal of Medical Genetics Part A, 2002, 108, 235-240.	2.4	10
97	A Dominant Interference Collagen X Mutation Disrupts Hypertrophic Chondrocyte Pericellular Matrix and Glycosaminoglycan and Proteoglycan Distribution in Transgenic Mice. American Journal of Pathology, 2001, 159, 2257-2269.	3.8	40
98	Gelatinase A (MMP-2) activation by skin fibroblasts: dependence on MT1-MMP expression and fibrillar collagen form. Matrix Biology, 2001, 20, 193-203.	3.6	60
99	A new FACIT of the collagen family: COL21A1. FEBS Letters, 2001, 505, 275-280.	2.8	63
100	The N-terminal N5 Subdomain of the Î±3(VI) Chain Is Important for Collagen VI Microfibril Formation. Journal of Biological Chemistry, 2001, 276, 187-193.	3.4	37
101	Molecular diagnosis of Stickler syndrome: ACOL2A1 stop codon mutation screening strategy that is not compromised by mutant mRNA instability. American Journal of Medical Genetics Part A, 2000, 90, 398-406.	2.4	41
102	UNCL, the mammalian homologue of UNC-50, is an inner nuclear membrane RNA-binding protein11Published on the World Wide Web on 10 August 2000.. Brain Research, 2000, 877, 110-123.	2.2	37
103	Mammalian Skeletogenesis and Extracellular Matrix. What can We Learn from Knockout Mice?. Cell Structure and Function, 2000, 25, 73-84.	1.1	85
104	Interaction of Collagen Î±1(X) Containing Engineered NC1 Mutations with Normal Î±1(X) in Vitro. Journal of Biological Chemistry, 1999, 274, 13091-13097.	3.4	28
105	Proteasomal Degradation of Unassembled Mutant Type I Collagen Pro-Î±1(I) Chains. Journal of Biological Chemistry, 1999, 274, 27392-27398.	3.4	72
106	Bethlem Myopathy and Engineered Collagen VI Triple Helical Deletions Prevent Intracellular Multimer Assembly and Protein Secretion. Journal of Biological Chemistry, 1999, 274, 21817-21822.	3.4	65
107	Reliable and sensitive detection of premature termination mutations using a protein truncation test designed to overcome problems of nonsense-mediated mRNA instability. Human Mutation, 1999, 13, 311-317.	2.5	55
108	Procollagen folding and assembly: The role of endoplasmic reticulum enzymes and molecular chaperones. Seminars in Cell and Developmental Biology, 1999, 10, 455-464.	5.0	181

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109	Normal Skeletal Development of Mice Lacking Matrilin 1: Redundant Function of Matrilins in Cartilage?. Molecular and Cellular Biology, 1999, 19, 7841-7845.	2.3	65
110	A type III collagen Gly559 to Arg helix mutation in Ehler's-Danlos syndrome type IV. Human Mutation, 1998, 11, S257-S259.	2.5	1
111	Human Cells Unable to Express Decoron Produced Disorganized Extracellular Matrix Lacking â€œShape Modulesâ€•(Interfibrillar Proteoglycan Bridges). Experimental Cell Research, 1998, 243, 59-66.	2.6	28
112	The Role of the Î±3(VI) Chain in Collagen VI Assembly. Journal of Biological Chemistry, 1998, 273, 7423-7430.	3.4	68
113	Collagen II Is Essential for the Removal of the Notochord and the Formation of Intervertebral Discs. Journal of Cell Biology, 1998, 143, 1399-1412.	5.2	277
114	Reduced collagen VI causes Bethlem myopathy: a heterozygous COL6A1 nonsense mutation results in mRNA decay and functional haploinsufficiency. Human Molecular Genetics, 1998, 7, 981-989.	2.9	92
115	In vitro expression analysis of collagen biosynthesis and assembly. Journal of Proteomics, 1997, 36, 11-29.	2.4	6
116	Type X Collagen NC1 Mutations Produced by Siteâ€directed Mutagenesis Prevent In Vitro Assemblya. Annals of the New York Academy of Sciences, 1996, 785, 231-233.	3.8	6
117	Site-directed Mutagenesis of Human Type X Collagen. Journal of Biological Chemistry, 1996, 271, 13566-13572.	3.4	47
118	An Î±1 II Gly913 to Cys substitution prevents the matrix incorporation of type II collagen which is replaced with type I and III collagens in cartilage from a patient with hypochondrogenesis. American Journal of Medical Genetics Part A, 1996, 63, 129-136.	2.4	21
119	Clinicopathologic findings in congenital aneurysms of the great vessels. American Journal of Medical Genetics Part A, 1996, 66, 289-299.	2.4	26
120	Multiexon Deletions in the Type I Collagen COL1A2 Gene in Osteogenesis Imperfecta Type. Journal of Biological Chemistry, 1996, 271, 21068-21074.	3.4	55
121	An Î±1 II Gly913 to Cys substitution prevents the matrix incorporation of type II collagen which is replaced with type I and III collagens in cartilage from a patient with hypochondrogenesis. American Journal of Medical Genetics Part A, 1996, 63, 129-136.	2.4	1
122	Distinct skeletal abnormalities in four girls with Shprintzen-Goldberg syndrome. American Journal of Medical Genetics Part A, 1995, 57, 565-572.	2.4	35
123	Endoplasmic Reticulum-mediated Quality Control of Type I Collagen Production by Cells from Osteogenesis Imperfecta Patients with Mutations in the proÎ±1(I) Chain Carboxyl-terminal Propeptide which Impair Subunit Assembly. Journal of Biological Chemistry, 1995, 270, 8642-8649.	3.4	129
124	A COL2A1 Mutation in Achondrogenesis Type II Results in the Replacement of Type II Collagen by Type I and III Collagens in Cartilage. Journal of Biological Chemistry, 1995, 270, 1747-1753.	3.4	68
125	Type X Collagen Multimer Assembly in Vitro Is Prevented by a Gly618 to Val Mutation in the Î±1(X) NC1 Domain Resulting in Schmid Metaphyseal Chondrodysplasia. Journal of Biological Chemistry, 1995, 270, 4558-4562.	3.4	70
126	The Type I Collagen proÎ±1(I) COOH-terminal Propeptide N-Linked Oligosaccharide. Journal of Biological Chemistry, 1995, 270, 17858-17865.	3.4	19

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127	Gingival fibromatosis and Klippel-TrÃ©naunay-Weber syndrome. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 1995, 79, 578-582.	1.4	29
128	A mutation in the conserved NC1 domain of type X collagen prevents in vitro multimer assembly resulting in a Schmid-type metaphyseal chondrodysplasia. Matrix Biology, 1994, 14, 396-397.	3.6	3
129	Deposition and selective degradation of structually-abnormal type I collagen in a collagen matrix produced by osteogenesis imperfecta fibroblasts in vitro. Matrix Biology, 1994, 14, 251-262.	3.6	53
130	Chemical cleavage method for the detection of RNA base changes: Experience in the application to collagen mutations in osteogenesis imperfecta. American Journal of Medical Genetics Part A, 1993, 45, 233-240.	2.4	23
131	Genomic sequence of mouse COL1A1 encoding the collagen propeptides. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1993, 1216, 469-474.	2.4	3
132	A Mouse 3T6 Fibroblast Cell Culture Model for the Study of Normal and Protein-Engineered Collagen Synthesis and Deposition into the Extracellular Matrix. Matrix Biology, 1993, 13, 323-330.	1.7	7
133	Osteogenic capacity of collagen in repair of established periodontal defects. Clinical Materials, 1992, 9, 201-209.	0.5	9
134	Lethal perinatal osteogenesis imperfecta due to a type I collagen Î±2(I) gly to arg substitution detected by chemical cleavage of an mRNA:cDNA sequence mismatch. Human Mutation, 1992, 1, 55-62.	2.5	9
135	Heterogeneity in dermatosparaxis is shown by contraction of collagen gels. Connective Tissue Research, 1991, 25, 295-300.	2.3	3
136	Antibodies to type II collagen in SLE: A role in the pathogenesis of deforming arthritis?. Immunology and Cell Biology, 1990, 68, 27-31.	2.3	14
137	The Study of Collagen Structure and Function by Site-Directed Mutagenesis of Collagen Genes. Annals of the New York Academy of Sciences, 1990, 580, 324-329.	3.8	5
138	Collagen Protein Abnormalities Produced by Site-Directed Mutagenesis of the Proal(I) Gene. Connective Tissue Research, 1989, 20, 205-212.	2.3	5
139	Detection and localization of base changes in RNA using a chemical cleavage method. Analytical Biochemistry, 1989, 183, 263-268.	2.4	26
140	Correlation of Clinical and Molecular Biological Abnormalities in Osteogenesis Imperfecta. Connective Tissue Research, 1989, 21, 91-97.	2.3	5
141	Comprehensive analysis of collagen metabolism in vitro using [43H][14C]proline dual-labeling and polyacrylamide gel electrophoresis. Analytical Biochemistry, 1988, 168, 171-175.	2.4	24
142	Perinatal lethal osteogenesis imperfecta in transgenic mice bearing an engineered mutant pro-Î±1(I) collagen gene. Nature, 1988, 332, 131-136.	27.8	240
143	Biochemical Heterogeneity of Type I Collagen Mutations in Osteogenesis Imperfecta. Annals of the New York Academy of Sciences, 1988, 543, 95-105.	3.8	16
144	Regulation of alkaline phosphatase expression in a neonatal rat clonal calvarial cell strain by retinoic acid. Journal of Bone and Mineral Research, 1988, 3, 53-61.	2.8	83

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145	Two-dimensional assays of peptide fragments. Methods in Enzymology, 1987, 145, 183-205.	1.0	10
146	Rapid fractionation of collagen chains and peptides by high-performance liquid chromatography. Analytical Biochemistry, 1986, 154, 338-344.	2.4	45
147	A [4,5-3H]lysine:[14C]lysine dual-label method to measure lysine hydroxylation in collagen. Analytical Biochemistry, 1986, 158, 151-157.	2.4	2
148	Formation of proline metabolites in chick embryo bone: Interference with the measurement of free hydroxyproline by ion-exchange chromatography. Analytical Biochemistry, 1982, 120, 330-338.	2.4	18
149	A new method for determining the extent of proline hydroxylation by measuring changes in the ratio of [4-3H]:[14C]proline in collagenase digests. Analytical Biochemistry, 1980, 108, 385-393.	2.4	33