Danny Chan

List of Publications by Year
in descending order

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160	9,066	36303	46799
papers	citations	51 h-index	89 g-index

170	170	170	9515
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A single-cell transcriptome of mesenchymal stromal cells to fabricate bioactive hydroxyapatite materials for bone regeneration. Bioactive Materials, 2022, 9, 281-298.	15.6	12
2	Integrative analysis of metabolomic, genomic, and imaging-based phenotypes identify very-low-density lipoprotein as a potential risk factor for lumbar Modic changes. European Spine Journal, 2022, 31, 735-745.	2.2	10
3	Hedgehog signaling orchestrates cartilage-to-bone transition independently of Smoothened. Matrix Biology, 2022, 110, 76-90.	3.6	5
4	Peptide location fingerprinting identifies species- and tissue-conserved structural remodelling of proteins as a consequence of ageing and disease. Matrix Biology, 2022, 114, 108-137.	3.6	6
5	Collagen IV differentially regulates planarian stem cell potency and lineage progression. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
6	Regulation and Role of Transcription Factors in Osteogenesis. International Journal of Molecular Sciences, 2021, 22, 5445.	4.1	97
7	Development of a standardized histopathology scoring system using machine learning algorithms for intervertebral disc degeneration in the mouse modelâ€" An <scp>ORS</scp> spine section initiative. JOR Spine, 2021, 4, e1164.	3.2	27
8	Peptide Location Fingerprinting Reveals Tissue Region-Specific Differences in Protein Structures in an Ageing Human Organ. International Journal of Molecular Sciences, 2021, 22, 10408.	4.1	9
9	PRIMUS: Comprehensive proteomics of mouse intervertebral discs that inform novel biology and relevance to human disease modelling. Matrix Biology Plus, 2021, 12, 100082.	3.5	13
10	Notochordal Cell-Based Treatment Strategies and Their Potential in Intervertebral Disc Regeneration. Frontiers in Cell and Developmental Biology, 2021, 9, 780749.	3.7	21
11	Multiparametric MR Investigation of Proteoglycan Diffusivity, T 2 Relaxation, and Concentration in an Ex Vivo Model of Intervertebral Disc Degeneration. Journal of Magnetic Resonance Imaging, 2020, 51, 1390-1400.	3.4	7
12	Extracellular Matrix and Cellular Plasticity in Musculoskeletal Development. Frontiers in Cell and Developmental Biology, 2020, 8, 781.	3.7	11
13	Î²1 integrin regulates convergent extension in mouse notogenesis, ensures notochord integrity and the morphogenesis of vertebrae and intervertebral discs. Development (Cambridge), 2020, 147, .	2.5	2
14	Mutations in COMP cause familial carpal tunnel syndrome. Nature Communications, 2020, 11, 3642.	12.8	8
15	<scp>IRX3</scp> and <scp>IRX5</scp> Inhibit Adipogenic Differentiation of Hypertrophic Chondrocytes and Promote Osteogenesis. Journal of Bone and Mineral Research, 2020, 35, 2444-2457.	2.8	31
16	Comparison of annulus fibrosus cell collagen remodeling rates in a microtissue system. Journal of Orthopaedic Research, 2020, 39, 1955-1964.	2.3	1
17	Adrenoceptor Expression during Intervertebral Disc Degeneration. International Journal of Molecular Sciences, 2020, 21, 2085.	4.1	9
18	Directed Differentiation of Notochord-like and Nucleus Pulposus-like Cells Using Human Pluripotent Stem Cells. Cell Reports, 2020, 30, 2791-2806.e5.	6.4	48

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19	First meeting in Asia of the Asia Pacific Research Integrity network. Accountability in Research, 2020, 27, 99-106.	2.4	2
20	DIPPER, a spatiotemporal proteomics atlas of human intervertebral discs for exploring ageing and degeneration dynamics. ELife, 2020, 9, .	6.0	37
21	KIF5B modulates central spindle organization in late-stage cytokinesis in chondrocytes. Cell and Bioscience, 2019, 9, 85.	4.8	14
22	Lgr5 and Col22a1 Mark Progenitor Cells in the Lineage toward Juvenile Articular Chondrocytes. Stem Cell Reports, 2019, 13, 713-729.	4.8	35
23	Mechanistic insights into skeletal development gained from genetic disorders. Current Topics in Developmental Biology, 2019, 133, 343-385.	2.2	17
24	Hedgehog proteins and parathyroid hormoneâ€related protein are involved in intervertebral disc maturation, degeneration, and calcification. JOR Spine, 2019, 2, e1071.	3.2	15
25	Histological and reference system for the analysis of mouse intervertebral disc. Journal of Orthopaedic Research, 2018, 36, 233-243.	2.3	72
26	Early onset of disc degeneration in SM/J mice is associated with changes in ion transport systems and fibrotic events. Matrix Biology, 2018, 70, 123-139.	3.6	41
27	Synergistic co-regulation and competition by a SOX9-GLI-FOXA phasic transcriptional network coordinate chondrocyte differentiation transitions. PLoS Genetics, 2018, 14, e1007346.	3.5	56
28	Reprogramming of Mouse Calvarial Osteoblasts into Induced Pluripotent Stem Cells. Stem Cells International, 2018, 2018, 1-11.	2.5	0
29	Latest advances in intervertebral disc development and progenitor cells. JOR Spine, 2018, 1, e1030.	3.2	16
30	Trans-Ethnic Polygenic Analysis Supports Genetic Overlaps of Lumbar Disc Degeneration With Height, Body Mass Index, and Bone Mineral Density. Frontiers in Genetics, 2018, 9, 267.	2.3	8
31	Live Imaging of Planaria. Methods in Molecular Biology, 2018, 1774, 507-518.	0.9	2
32	Etiology of developmental spinal stenosis: A genomeâ€wide association study. Journal of Orthopaedic Research, 2018, 36, 1262-1268.	2.3	22
33	Impaired proteoglycan glycosylation, elevated TGF-Î² signaling, and abnormal osteoblast differentiation as the basis for bone fragility in a mouse model for gerodermia osteodysplastica. PLoS Genetics, 2018, 14, e1007242.	3.5	36
34	Inhibiting the integrated stress response pathway prevents aberrant chondrocyte differentiation thereby alleviating chondrodysplasia. ELife, 2018, 7, .	6.0	59
35	Separation and quantification of lactate and lipid at 1.3â€‰ppm by diffusionâ€weighted magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2017, 77, 480-489.	3.0	9
36	Rare coding variants in MAPK7 predispose to adolescent idiopathic scoliosis. Human Mutation, 2017, 38, 1500-1510.	2.5	39

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37	Burden of rare variants in ALS genes influences survival in familial and sporadic ALS. Neurobiology of Aging, 2017, 58, 238.e9-238.e15.	3.1	42
38	Activating the unfolded protein response in osteocytes causes hyperostosis consistent with craniodiaphyseal dysplasia. Human Molecular Genetics, 2017, 26, 4572-4587.	2.9	28
39	Intervertebral Disc Degeneration. , 2017, , 229-261.		2
40	Reprogramming of Dermal Fibroblasts into Osteo-Chondrogenic Cells with Elevated Osteogenic Potency by Defined Transcription Factors. Stem Cell Reports, 2017, 8, 1587-1599.	4.8	18
41	Prevalence, Patterns, and Genetic Association Analysis of Modic Vertebral Endplate Changes. Asian Spine Journal, 2017, 11, 594-600.	2.0	22
42	CD146 defines commitment of cultured annulus fibrosus cells to express a contractile phenotype. Journal of Orthopaedic Research, 2016, 34, 1361-1372.	2.3	28
43	Two subtypes of intervertebral disc degeneration distinguished by large-scale population-based study. Spine Journal, 2016, 16, 1079-1089.	1.3	51
44	How Reliable Are the Reported Genetic Associations in Disc Degeneration?. Spine, 2016, 41, 1649-1660.	2.0	12
45	Joint Development. , 2016, , 169-189.		2
46	Comparison of proteomic datasets from hypertrophic chondrocytes in response to ER stress. Data in Brief, 2016, 7, 449-451.	1.0	1
47	Intervertebral disc development and disease-related genetic polymorphisms. Genes and Diseases, 2016, 3, 171-177.	3.4	18
48	Increased caveolin-1 in intervertebral disc degeneration facilitates repair. Arthritis Research and Therapy, 2016, 18, 59.	3.5	19
49	Label-Free Quantitative Proteomics Reveals Survival Mechanisms Developed by Hypertrophic Chondrocytes under ER Stress. Journal of Proteome Research, 2016, 15, 86-99.	3.7	14
50	Genetics of Lumbar Disk Degeneration. , 2016, , 67-88.		0
51	Detection of extracellular matrix degradation in intervertebral disc degeneration by diffusion magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2015, 73, 1703-1712.	3.0	32
52	Genetic susceptibility of lumbar degenerative disc disease in young Indian adults. European Spine Journal, 2015, 24, 1969-1975.	2.2	29
53	Fate of growth plate hypertrophic chondrocytes: Death or lineage extension?. Development Growth and Differentiation, 2015, 57, 179-192.	1.5	90
54	Interplay between Genetic Risk Factors and Protective Mechanisms for Intervertebral Disc Degeneration in Mice. Global Spine Journal, 2015, 5, s-0035-1554500-s-0035-1554500.	2.3	0

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55	The chondrocytic journey in endochondral bone growth and skeletal dysplasia. Birth Defects Research Part C: Embryo Today Reviews, 2014, 102, 52-73.	3.6	67
56	Coming together is a beginning: The making of an intervertebral disc. Birth Defects Research Part C: Embryo Today Reviews, 2014, 102, 83-100.	3.6	47
57	Mesenchymal Stem Cells Reduce Intervertebral Disc Fibrosis and Facilitate Repair. Stem Cells, 2014, 32, 2164-2177.	3.2	84
58	A comparison of intravenous and intradiscal delivery of multipotential stem cells on the healing of injured intervertebral disk. Journal of Orthopaedic Research, 2014, 32, 819-825.	2.3	35
59	Hypertrophic chondrocytes can become osteoblasts and osteocytes in endochondral bone formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12097-12102.	7.1	589
60	A meta-analysis identifies adolescent idiopathic scoliosis association withLBX1locus in multiple ethnic groups. Journal of Medical Genetics, 2014, 51, 401-406.	3.2	79
61	Understanding the Basis of Genetic Studies: Adolescent Idiopathic Scoliosis as an Example. Spine Deformity, 2014, 2, 1-9.	1.5	5
62	Genetic Basis of Intervertebral Disc Degeneration. , 2014, , 157-176.		2
63	Genetic polymorphisms associated with intervertebral disc degeneration. Spine Journal, 2013, 13, 299-317.	1.3	158
64	Phenotype variations affect genetic association studies of degenerative disc disease: conclusions of analysis of genetic association of 58 single nucleotide polymorphisms with highly specific phenotypes for disc degeneration in 332 subjects. Spine Journal, 2013, 13, 1309-1320.	1.3	38
65	Coupling of small leucine-rich proteoglycans to hypoxic survival of a progenitor cell-like subpopulation in Rhesus Macaque intervertebral disc. Biomaterials, 2013, 34, 6548-6558.	11.4	31
66	Lumbar disc degeneration is linked to a carbohydrate sulfotransferase 3 variant. Journal of Clinical Investigation, 2013, 123, 4909-4917.	8.2	126
67	Genome-Wide Copy Number Analysis Uncovers a New HSCR Gene: NRG3. PLoS Genetics, 2012, 8, e1002687.	3.5	51
68	SNP rs11190870 near LBX1 is associated with adolescent idiopathic scoliosis in southern Chinese. Journal of Human Genetics, 2012, 57, 244-246.	2.3	64
69	Exhaustion of nucleus pulposus progenitor cells with ageing and degeneration of the intervertebral disc. Nature Communications, 2012, 3, 1264.	12.8	357
70	Homeotic Arm-to-Leg Transformation Associated with Genomic Rearrangements at the PITX1 Locus. American Journal of Human Genetics, 2012, 91, 629-635.	6.2	111
71	Functional replication of the tendon tissue microenvironment by a bioimprinted substrate and the support of tenocytic differentiation of mesenchymal stem cells. Biomaterials, 2012, 33, 7686-7698.	11.4	84
72	Genetic Association Studies in Lumbar Disc Degeneration: A Systematic Review. PLoS ONE, 2012, 7, e49995.	2.5	90

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73	The association of lumbar intervertebral disc degeneration on magnetic resonance imaging with body mass index in overweight and obese adults: A populationâ€based study. Arthritis and Rheumatism, 2012, 64, 1488-1496.	6.7	229
74	Structure and Biology of the Intervertebral Disk in Health and Disease. Orthopedic Clinics of North America, 2011, 42, 447-464.	1.2	102
75	Genetics of Lumbar Disk Degeneration: Technology, Study Designs, and RiskÂFactors. Orthopedic Clinics of North America, 2011, 42, 479-486.	1.2	21
76	Tissue Engineering for Intervertebral Disk Degeneration. Orthopedic Clinics of North America, 2011, 42, 575-583.	1.2	19
77	Identification of Genes with Allelic Imbalance on 6p Associated with Nasopharyngeal Carcinoma in Southern Chinese. PLoS ONE, 2011, 6, e14562.	2.5	17
78	NOA1 is an essential GTPase required for mitochondrial protein synthesis. Molecular Biology of the Cell, 2011, 22, 1-11.	2.1	57
79	Copy-Number Variations Involving the IHH Locus Are Associated with Syndactyly and Craniosynostosis. American Journal of Human Genetics, 2011, 88, 70-75.	6.2	89
80	Genetic susceptibility of intervertebral disc degeneration among young Finnish adults. BMC Medical Genetics, 2011, 12, 153.	2.1	73
81	Indian hedgehog mutations causing brachydactyly type A1 impair Hedgehog signal transduction at multiple levels. Cell Research, 2011, 21, 1343-1357.	12.0	31
82	SOX9 Governs Differentiation Stage-Specific Gene Expression in Growth Plate Chondrocytes via Direct Concomitant Transactivation and Repression. PLoS Genetics, 2011, 7, e1002356.	3.5	174
83	Missense mutations in IHH impair Indian Hedgehog signaling in C3H10T1/2 cells: Implications for brachydactyly type A1, and new targets for Hedgehog signaling. Cellular and Molecular Biology Letters, 2010, 15, 153-76.	7.0	17
84	The developmental roles of the extracellular matrix: beyond structure to regulation. Cell and Tissue Research, 2010, 339, 93-110.	2.9	144
85	Loss of procollagen IIA from the anterior mesendoderm disrupts the development of mouse embryonic forebrain. Developmental Dynamics, 2010, 239, 2319-2329.	1.8	22
86	Nanostructure of collagen fibrils in human nucleus pulposus and its correlation with macroscale tissue mechanics. Journal of Orthopaedic Research, 2010, 28, 497-502.	2.3	40
87	A spliceâ€site mutation leads to haploinsufficiency of EXT2 mRNA for a dominant trait in a large family with multiple osteochondromas. Journal of Orthopaedic Research, 2010, 28, 1522-1530.	2.3	9
88	Genome-wide association study identifies a susceptibility locus for biliary atresia on 10q24.2. Human Molecular Genetics, 2010, 19, 2917-2925.	2.9	117
89	In vivo cellular adaptation to ER stress: survival strategies with double-edged consequences. Journal of Cell Science, 2010, 123, 2145-2154.	2.0	120
90	Cryopreserved intervertebral disc with injected bone marrowâ€“derived stromal cells: a feasibility study using organ culture. Spine Journal, 2010, 10, 486-496.	1.3	37

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91	Receptor tyrosine kinase-like orphan receptor 2 (ROR2) and Indian hedgehog regulate digit outgrowth mediated by the phalanx-forming region. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14211-14216.	7.1	57
92	Minimizing cryopreservation-induced loss of disc cell activity for storage of whole intervertebral discs. , 2010, 19, 273-283.		16
93	Nano-Structure of Collagen Fibrils in Human Intervertebral Discs and Its Correlation With the Tissue Mechanics. , 2010, , .		0
94	Genome-wide association study identifies NRG1 as a susceptibility locus for Hirschsprung's disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2694-2699.	7.1	171
95	Mesenchymal Stem Cells Arrest Intervertebral Disc Degeneration Through Chondrocytic Differentiation and Stimulation of Endogenous Cells. Molecular Therapy, 2009, 17, 1959-1966.	8.2	134
96	Effects of Reconstituted Collagen Matrix on Fates of Mouse Embryonic Stem Cells Before and After Induction for Chondrogenic Differentiation. Tissue Engineering - Part A, 2009, 15, 3071-3085.	3.1	19
97	Matrix Remodeling During Intervertebral Disc Growth and Degeneration Detected by Multichromatic FAST Staining. Journal of Histochemistry and Cytochemistry, 2009, 57, 249-256.	2.5	56
98	Injuryâ€induced sequential transformation of notochordal nucleus pulposus to chondrogenic and fibrocartilaginous phenotype in the mouse. Journal of Pathology, 2009, 218, 113-121.	4.5	109
99	A mutation in Ihh that causes digit abnormalities alters its signalling capacity and range. Nature, 2009, 458, 1196-1200.	27.8	89
100	Decellularization of Chondrocyte-Encapsulated Collagen Microspheres: A Three-Dimensional Model to Study the Effects of Acellular Matrix on Stem Cell Fate. Tissue Engineering - Part C: Methods, 2009, 15, 697-706.	2.1	76
101	Prevalence and Pattern of Lumbar Magnetic Resonance Imaging Changes in a Population Study of One Thousand Forty-Three Individuals. Spine, 2009, 34, 934-940.	2.0	682
102	Biochemical consequences of sedlin mutations that cause spondyloepiphyseal dysplasia tarda. Biochemical Journal, 2009, 423, 233-242.	3.7	20
103	Correlation Between the Nano-Structure and the Macro-Mechanics of the Human Intervertebral Discs. , 2009, , .		0
104	In vitro chondrogenic differentiation of human mesenchymal stem cells in collagen microspheres: Influence of cell seeding density and collagen concentration. Biomaterials, 2008, 29, 3201-3212.	11.4	182
105	(iii) Whole-genome association studies of complex diseases. Orthopaedics and Trauma, 2008, 22, 251-258.	0.3	2
106	Osteogenic behavior of alginate encapsulated bone marrow stromal cells: An in vitro study. Journal of Materials Science: Materials in Medicine, 2008, 19, 2113-2119.	3.6	57
107	Association between promoter -1607 polymorphism of MMP1 and Lumbar Disc Disease in Southern Chinese. BMC Medical Genetics, 2008, 9, 38.	2.1	44
108	(ii) Family-based linkage and case control association studies. Orthopaedics and Trauma, 2008, 22, 245-250.	0.3	2

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109	(iv) Genetics of disc degeneration. Orthopaedics and Trauma, 2008, 22, 259-266.	0.3	4
110	New plasma surface-treated memory alloys: Towards a new generation of â€œsmartâ€•orthopaedic materials. Materials Science and Engineering C, 2008, 28, 454-459.	7.3	13
111	Association of the Asporin D14 Allele with Lumbar-Disc Degeneration in Asians. American Journal of Human Genetics, 2008, 82, 744-747.	6.2	132
112	The molecular and cellular basis of exostosis formation in hereditary multiple exostoses. International Journal of Experimental Pathology, 2008, 89, 321-331.	1.3	35
113	Age-related degeneration of lumbar intervertebral discs in rabbits revealed by deuterium oxide-assisted MRI. Osteoarthritis and Cartilage, 2008, 16, 1312-1318.	1.3	29
114	Effect of Severity of Intervertebral Disc Injury on Mesenchymal Stem Cell-Based Regeneration. Connective Tissue Research, 2008, 49, 15-21.	2.3	69
115	Mesenchymal Stem Cell-Based Repair of Articular Cartilage with Polyglycolic Acid-Hydroxyapatite Biphasic Scaffold. International Journal of Artificial Organs, 2008, 31, 480-489.	1.4	42
116	COL10A1 nonsense and frame-shift mutations have a gain-of-function effect on the growth plate in human and mouse metaphyseal chondrodysplasia type Schmid. Human Molecular Genetics, 2007, 16, 1201-1215.	2.9	60
117	Expression of the Trp2 Allele of COL9A2 Is Associated With Alterations in the Mechanical Properties of Human Intervertebral Discs. Spine, 2007, 32, 2820-2826.	2.0	38
118	Surface mechanical properties, corrosion resistance, and cytocompatibility of nitrogen plasma-implanted nickelâ€“titanium alloys: A comparative study with commonly used medical grade materials. Journal of Biomedical Materials Research - Part A, 2007, 82A, 403-414.	4.0	56
119	Nitrogen plasma-implanted nickel titanium alloys for orthopedic use. Surface and Coatings Technology, 2007, 201, 5607-5612.	4.8	27
120	Oxygen and sodium plasma-implanted nickelâ€“titanium shape memory alloy: A novel method to promote hydroxyapatite formation and suppress nickel leaching. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 687-691.	1.4	4
121	iCartiGD: the Integrated Cartilage Gene Database. BMC Genetics, 2007, 8, 4.	2.7	3
122	Mechanical properties, bioactivity and corrosion resistance of oxygen and sodium plasma treated nickel titanium shape memory alloy. Surface and Coatings Technology, 2007, 202, 1308-1312.	4.8	9
123	In vitro and in vivo characterization of novel plasma treated nickel titanium shape memory alloy for orthopedic implantation. Surface and Coatings Technology, 2007, 202, 1247-1251.	4.8	37
124	An effective dose of valdecoxib in experimental mouse models of pain. Methods and Findings in Experimental and Clinical Pharmacology, 2007, 29, 383.	0.8	8
125	Surviving Endoplasmic Reticulum Stress Is Coupled to Altered Chondrocyte Differentiation and Function. PLoS Biology, 2007, 5, e44.	5.6	167
126	Association of the Taq I Allele in Vitamin D Receptor With Degenerative Disc Disease and Disc Bulge in a Chinese Population. Spine, 2006, 31, 1143-1148.	2.0	123

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127	Genetics of disc degeneration. European Spine Journal, 2006, 15, 317-325.	2.2	127
128	Regeneration of intervertebral disc by mesenchymal stem cells: potentials, limitations, and future direction. European Spine Journal, 2006, 15, 406-413.	2.2	162
129	The TRP2 Allele of COL9A2 is an Age-Dependent Risk Factor for the Development and Severity of Intervertebral Disc Degeneration. Spine, 2005, 30, 2735-2742.	2.0	124
130	Vertebroplasty by Use of a Strontium-Containing Bioactive Bone Cement. Spine, 2005, 30, S84-S91.	2.0	48
131	Carbon plasma immersion ion implantation of nickelâ€“titanium shape memory alloys. Biomaterials, 2005, 26, 2265-2272.	11.4	125
132	Investigation of nickel suppression and cytocompatibility of surface-treated nickel-titanium shape memory alloys by using plasma immersion ion implantation. Journal of Biomedical Materials Research - Part A, 2005, 72A, 238-245.	4.0	41
133	Corrosion resistance, surface mechanical properties, and cytocompatibility of plasma immersion ion implantation-treated nickel-titanium shape memory alloys. Journal of Biomedical Materials Research - Part A, 2005, 75A, 256-267.	4.0	56
134	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
135	Efficient and seamless DNA recombineering using a thymidylate synthase A selection system in Escherichia coli. Nucleic Acids Research, 2005, 33, e59-e59.	14.5	103
136	An externally fixed femoral fracture model for mice. Journal of Orthopaedic Research, 2003, 21, 685-690.	2.3	53
137	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
138	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
139	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
140	Aberrant Signal Peptide Cleavage of Collagen X in Schmid Metaphyseal Chondrodysplasia. Journal of Biological Chemistry, 2001, 276, 7992-7997.	3.4	48
141	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
142	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
143	Phenotypic and biochemical consequences of collagen X mutations in mice and humans. Matrix Biology, 1998, 17, 169-184.	3.6	104
144	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

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145	In vitro expression analysis of collagen biosynthesis and assembly. Journal of Proteomics, 1997, 36, 11-29.	2.4	6
146	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
147	Site-directed Mutagenesis of Human Type X Collagen. Journal of Biological Chemistry, 1996, 271, 13566-13572.	3.4	47
148	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
149	Multiexon Deletions in the Type I Collagen COL1A2 Gene in Osteogenesis Imperfecta Type. Journal of Biological Chemistry, 1996, 271, 21068-21074.	3.4	55
150	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
151	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
152	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
153	Collagen studies in newborn rat kidneys with incomplete ureteric obstruction. Kidney International, 1993, 44, 593-605.	5.2	38
154	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
155	Correlation of Clinical and Molecular Biological Abnormalities in Osteogenesis Imperfecta. Connective Tissue Research, 1989, 21, 91-97.	2.3	5
156	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
157	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
158	Rapid fractionation of collagen chains and peptides by high-performance liquid chromatography. Analytical Biochemistry, 1986, 154, 338-344.	2.4	45
159	Quantitation of type I and III collagens using electrophoresis of alpha chains and cyanogen bromide peptides. Analytical Biochemistry, 1984, 139, 322-328.	2.4	43
160	Notochordal Differentiation and Integrative Transcriptomic Analysis Using Human Pluripotent Stem Cells. SSRN Electronic Journal, 0, , .	0.4	0