

A Hari Reddi

List of Publications by Year in descending order

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101
papers

7,033
citations

47006

47
h-index

58581

82
g-index

103
all docs

103
docs citations

103
times ranked

7029
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of morphogenetic proteins in skeletal tissue engineering and regeneration. Nature Biotechnology, 1998, 16, 247-252.	17.5	768
2	The application of bone morphogenetic proteins to dental tissue engineering. Nature Biotechnology, 2003, 21, 1025-1032.	17.5	405
3	Regulation of cartilage and bone differentiation by bone morphogenetic proteins. Current Opinion in Cell Biology, 1992, 4, 850-855.	5.4	267
4	Bone morphogenetic proteins: An unconventional approach to isolation of first mammalian morphogens. Cytokine and Growth Factor Reviews, 1997, 8, 11-20.	7.2	266
5	Characterization of Growth Factor-binding Structures in Heparin/Heparan Sulfate Using an Octasaccharide Library. Journal of Biological Chemistry, 2004, 279, 12346-12354.	3.4	260
6	Articular Cartilage: Structure and Regeneration. Tissue Engineering - Part B: Reviews, 2010, 16, 617-627.	4.8	196
7	Complete Regeneration of Bone in the Baboon by Recombinant Human Osteogenic Protein-1 (hOP-1). Tissue Engineering - Part B: Reviews, 2010, 16, 617-627.	4.8	196
8	Tissue Engineering, Morphogenesis, and Regeneration of the Periodontal Tissues By Bone Morphogenetic Proteins. Critical Reviews in Oral Biology and Medicine, 1997, 8, 154-163.	4.4	153
9	Osteogenin, a Bone Morphogenetic Protein, Adsorbed on Porous Hydroxyapatite Substrata, Induces Rapid Bone Differentiation in Calvarial Defects of Adult Primates. Plastic and Reconstructive Surgery, 1992, 90, 382-393.	1.4	148
10	Journal of Bone and Mineral Research. Journal of Bone and Mineral Research, 1993, 8, S499-S502.	2.8	130
11	Mechanotransduction of bovine articular cartilage superficial zone protein by transforming growth factor β signaling. Arthritis and Rheumatism, 2007, 56, 3706-3714.	6.7	129
12	Diverse Biological Effect and Smad Signaling of Bone Morphogenetic Protein 7 in Prostate Tumor Cells. Cancer Research, 2005, 65, 5769-5777.	0.9	128
13	Nonunions and the Potential of Stem Cells in Fracture-Healing. Journal of Bone and Joint Surgery - Series A, 2008, 90, 92-98.	3.0	126
14	Engineering Lubrication in Articular Cartilage. Tissue Engineering - Part B: Reviews, 2012, 18, 88-100.	4.8	119
15	Osteonecrosis of the Femoral Head. Clinical Orthopaedics and Related Research, 1998, 355S, S314-S335.	1.5	118
16	Identification of superficial zone articular chondrocyte stem/progenitor cells. Biochemical and Biophysical Research Communications, 2007, 358, 99-103.	2.1	118
17	Development of an atrophic nonunion model and comparison to a closed healing fracture in rat femur. Journal of Orthopaedic Research, 2003, 21, 503-510.	2.3	117
18	The Interface of Functional Biotribology and Regenerative Medicine in Synovial Joints. Tissue Engineering - Part B: Reviews, 2008, 14, 235-247.	4.8	117

#	ARTICLE	IF	CITATIONS
19	Soluble and Transmembrane Isoforms of Novel Interleukin-17 Receptor-like Protein by RNA Splicing and Expression in Prostate Cancer. <i>Journal of Biological Chemistry</i> , 2002, 277, 4309-4316.	3.4	113
20	Thermoreversible hydrogel scaffolds for articular cartilage engineering. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 71A, 268-274.	3.1	109
21	Global gene profiling reveals a downregulation of BMP gene expression in experimental atrophic nonunions compared to standard healing fractures. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1463-1471.	2.3	106
22	Bone morphogenetic proteins (BMPs): From morphogens to metabologens. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 341-342.	7.2	103
23	Growth/Differentiation Factor-10: A New Member of the Transforming Growth Factor- β Superfamily Related to Bone Morphogenetic Protein-3. <i>Growth Factors</i> , 1995, 12, 99-109.	1.7	102
24	Mechanisms of Tumor Metastasis to the Bone: Challenges and Opportunities. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 190-194.	2.8	97
25	Induction of chondrogenesis from human embryonic stem cells without embryoid body formation by bone morphogenetic protein 7 and transforming growth factor β 1. <i>Arthritis and Rheumatism</i> , 2009, 60, 3686-3692.	6.7	94
26	Differential regulation of lubricin/superficial zone protein by transforming growth factor β 2/bone morphogenetic protein superfamily members in articular chondrocytes and synoviocytes. <i>Arthritis and Rheumatism</i> , 2007, 56, 2312-2321.	6.7	91
27	Increased accumulation of superficial zone protein (SZP) in articular cartilage in response to bone morphogenetic protein-7 and growth factors. <i>Journal of Orthopaedic Research</i> , 2007, 25, 293-303.	2.3	86
28	Bone Morphogenetic Protein (BMP)-6 Signaling and BMP Antagonist Noggin in Prostate Cancer. <i>Cancer Research</i> , 2004, 64, 8276-8284.	0.9	80
29	Profiling microRNA expression in bovine articular cartilage and implications for mechanotransduction. <i>Arthritis and Rheumatism</i> , 2009, 60, 2333-2339.	6.7	72
30	Induction of chondrogenesis and expression of superficial zone protein (SZP)/lubricin by mesenchymal progenitors in the infrapatellar fat pad of the knee joint treated with TGF- β 1 and BMP-7. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 148-153.	2.1	70
31	ACCELERATION OF REGENERATE OSSIFICATION DURING DISTRACTION OSTEOGENESIS WITH RECOMBINANT HUMAN BONE MORPHOGENETIC PROTEIN-7. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 124-130.	3.0	68
32	Regulation of Articular Chondrocyte Phenotype by Bone Morphogenetic Protein 7, Interleukin 1, and Cellular Context Is Dependent on the Cytoskeleton. <i>Experimental Cell Research</i> , 2002, 272, 32-44.	2.6	67
33	Reconstruction of the Bone-Bone Marrow Organ by Osteogenin, a Bone Morphogenetic Protein, and Demineralized Bone Matrix in Calvarial Defects of Adult Primates. <i>Plastic and Reconstructive Surgery</i> , 1993, 91, 27-36.	1.4	66
34	Stimulation of Proteoglycan Synthesis in Explants of Porcine Articular Cartilage by Recombinant Osteogenic Protein-1 (Bone Morphogenetic Protein-7)*. <i>Journal of Bone and Joint Surgery - Series A</i> , 1997, 79, 1132-7.	3.0	65
35	A nanoindentation technique for functional evaluation of cartilage repair tissue. <i>Journal of Materials Research</i> , 2004, 19, 273-281.	2.6	61
36	Stimulation of the Superficial Zone Protein and Lubrication in the Articular Cartilage by Human Platelet-Rich Plasma. <i>American Journal of Sports Medicine</i> , 2015, 43, 1467-1473.	4.2	60

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37	Regulation of the friction coefficient of articular cartilage by TGF β 1 and IL-1 β . Journal of Orthopaedic Research, 2009, 27, 249-256.	2.3	59
38	Heads, Shoulders, Elbows, Knees, and Toes: Modular Gdf5 Enhancers Control Different Joints in the Vertebrate Skeleton. PLoS Genetics, 2016, 12, e1006454.	3.5	59
39	MicroRNAs in Chondrogenesis, Articular Cartilage, and Osteoarthritis: Implications for Tissue Engineering. Tissue Engineering - Part B: Reviews, 2012, 18, 445-453.	4.8	58
40	Superficial Zone Protein (Lubricin) in the Different Tissue Compartments of the Knee Joint: Modulation by Transforming Growth Factor Beta 1 and Interleukin-1 Beta. Tissue Engineering - Part A, 2008, 14, 1799-1808.	3.1	56
41	Cultivating hepatocytes on printed arrays of HGF and BMP7 to characterize protective effects of these growth factors during in vitro alcohol injury. Biomaterials, 2010, 31, 5936-5944.	11.4	56
42	Bone Morphogenetic Protein 7 Protects Prostate Cancer Cells from Stress-Induced Apoptosis via Both Smad and c-Jun NH2-Terminal Kinase Pathways. Cancer Research, 2006, 66, 4285-4290.	0.9	51
43	Nanomaterials and Hydrogel Scaffolds for Articular Cartilage Regeneration. Tissue Engineering - Part B: Reviews, 2011, 17, 301-305.	4.8	51
44	Platelet-Rich Plasma Modulates Actions on Articular Cartilage Lubrication and Regeneration. Tissue Engineering - Part B: Reviews, 2016, 22, 408-419.	4.8	51
45	Discovery of bone morphogenetic proteins – A historical perspective. Bone, 2020, 140, 115548.	2.9	51
46	Dedifferentiation and Redifferentiation of Articular Chondrocytes from Surface and Middle Zones: Changes in MicroRNAs-221/-222, -140, and -143/145 Expression. Tissue Engineering - Part A, 2013, 19, 1015-1022.	3.1	49
47	Cultivating liver cells on printed arrays of hepatocyte growth factor. Biomaterials, 2009, 30, 3733-3741.	11.4	48
48	Mesenchymal Progenitor Cells Derived from Synovium and Infrapatellar Fat Pad as a Source for Superficial Zone Cartilage Tissue Engineering: Analysis of Superficial Zone Protein/Lubricin Expression. Tissue Engineering - Part A, 2010, 16, 317-325.	3.1	47
49	Regeneration of Articular Cartilage Surface: Morphogens, Cells, and Extracellular Matrix Scaffolds. Tissue Engineering - Part B: Reviews, 2015, 21, 461-473.	4.8	47
50	Mechanical compression of articular cartilage induces chondrocyte proliferation and inhibits proteoglycan synthesis by activation of the ERK pathway: implications for tissue engineering and regenerative medicine. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 107-116.	2.7	46
51	Cartilage morphogenesis: Role of bone and cartilage morphogenetic proteins, homeobox genes and extracellular matrix. Matrix Biology, 1995, 14, 599-606.	3.6	45
52	A Novel Bone Morphogenetic Protein Signaling in Heterotypic Cell Interactions in Prostate Cancer. Cancer Research, 2008, 68, 198-205.	0.9	45
53	BMPs: Actions in flesh and bone. Nature Medicine, 1997, 3, 837-839.	30.7	44
54	Immunolocalization of IL-17A, IL-17B, and Their Receptors in Chondrocytes During Fracture Healing. Journal of Histochemistry and Cytochemistry, 2008, 56, 89-95.	2.5	44

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55	Recombinant human BMP-7 effectively prevents non-union in both young and old rats. <i>Journal of Orthopaedic Research</i> , 2006, 24, 11-20.	2.3	43
56	Thyroxine downregulates Sox9 and promotes chondrocyte hypertrophy. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 186-190.	2.1	41
57	Prevention of atrophic nonunion development by recombinant human bone morphogenetic protein-7. <i>Journal of Orthopaedic Research</i> , 2005, 23, 632-638.	2.3	41
58	Estrogen-Dependent Actions of Bone Morphogenetic Protein-7 on Spine Fusion in Rats. <i>Spine</i> , 2005, 30, 1706-1711.	2.0	40
59	Effects of Selected Growth Factors on Porcine Meniscus in Chemically Defined Medium. <i>Orthopedics</i> , 2003, 26, 799-803.	1.1	38
60	Interleukin-17 Receptor-Like Gene Is a Novel Antiapoptotic Gene Highly Expressed in Androgen-Independent Prostate Cancer. <i>Cancer Research</i> , 2006, 66, 175-183.	0.9	37
61	Androgen-dependent gene expression of bone morphogenetic protein 7 in mouse prostate. , 1998, 37, 236-245.		35
62	Gene Expression Profiling of Mouse Articular and Growth Plate Cartilage. <i>Tissue Engineering</i> , 2007, 13, 2163-2173.	4.6	35
63	Bone morphogenetic protein signaling in articular chondrocyte differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 617-622.	2.1	34
64	Pulsed Electromagnetic Fields and Tissue Engineering of the Joints. <i>Tissue Engineering - Part B: Reviews</i> , 2018, 24, 144-154.	4.8	33
65	Regulation of the expression of the type-II collagen gene in periosteum-derived cells by three members of the transforming growth factor- β superfamily. <i>Journal of Orthopaedic Research</i> , 1997, 15, 463-467.	2.3	31
66	Transforming Growth Factor β -Induced Superficial Zone Protein Accumulation in the Surface Zone of Articular Cartilage Is Dependent on the Cytoskeleton. <i>Tissue Engineering - Part A</i> , 2014, 20, 921-929.	3.1	31
67	Human Stem Cells and Articular Cartilage Regeneration. <i>Cells</i> , 2012, 1, 994-1009.	4.1	28
68	Induction of chondrogenesis and superficial zone protein accumulation in synovial side population cells by BMP β 7 and TGF β 1. <i>Journal of Orthopaedic Research</i> , 2008, 26, 485-492.	2.3	27
69	Effects of selected growth factors on porcine meniscus in chemically defined medium. <i>Orthopedics</i> , 2003, 26, 799-803.	1.1	27
70	Induction of superficial zone protein (SZP)/lubricin/PRG 4 in muscle-derived mesenchymal stem/progenitor cells by transforming growth factor β 1 and bone morphogenetic protein-7. <i>Arthritis Research and Therapy</i> , 2012, 14, R72.	3.5	26
71	Induction of Chondrogenesis and Expression of Superficial Zone Protein in Synovial Explants with TGF β 1 and BMP-7. <i>Tissue Engineering - Part A</i> , 2013, 19, 2638-2644.	3.1	26
72	Generation of interleukin-17 receptor-like protein (IL-17RL) in prostate by alternative splicing of RNA. <i>Prostate</i> , 2006, 66, 1268-1274.	2.3	25

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73	Expression of interleukin-17B in mouse embryonic limb buds and regulation by BMP-7 and bFGF. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 624-631.	2.1	23
74	Surface Zone Articular Chondrocytes Modulate the Bulk and Surface Mechanical Properties of the Tissue-Engineered Cartilage. <i>Tissue Engineering - Part A</i> , 2014, 20, 3332-3341.	3.1	23
75	Distinct patterns of gene expression in the superficial, middle and deep zones of bovine articular cartilage. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 8, n/a-n/a.	2.7	21
76	The distribution of superficial zone protein (SZP)/lubricin/PRG4 and boundary mode frictional properties of the bovine diarthrodial joint. <i>Journal of Biomechanics</i> , 2015, 48, 3406-3412.	2.1	21
77	Ageing, osteoarthritis and transforming growth factor-beta signaling in cartilage. <i>Arthritis Research and Therapy</i> , 2006, 8, 101.	3.5	20
78	Stimulation of Superficial Zone Protein/Lubricin/PRG4 by Transforming Growth Factor- β 2 in Superficial Zone Articular Chondrocytes and Modulation by Glycosaminoglycans. <i>Tissue Engineering - Part A</i> , 2015, 21, 1973-1981.	3.1	20
79	Differential response of cartilage oligomeric matrix protein (COMP) to morphogens of bone morphogenetic protein/transforming growth factor- β 2 family in the surface, middle and deep zones of articular cartilage. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, e87-e96.	2.7	19
80	Modulation of Superficial Zone Protein/Lubricin/PRG4 by Kartogenin and Transforming Growth Factor- β 21 in Surface Zone Chondrocytes in Bovine Articular Cartilage. <i>Cartilage</i> , 2016, 7, 388-397.	2.7	19
81	Efficacy of Osteogenic Protein-1 in a Challenging Multilevel Fusion Model. <i>Spine</i> , 2004, 29, 249-256.	2.0	16
82	BMP-7 and Bone Regeneration. <i>Journal of Orthopaedic Trauma</i> , 2015, 29, e336-e341.	1.4	16
83	Cell biology of osteochondromas: Bone morphogenic protein signalling and heparan sulphates. <i>International Orthopaedics</i> , 2013, 37, 1591-1596.	1.9	15
84	MARSHALL R. URIST. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 3-7.	3.0	15
85	Stimulation of superficial zone protein accumulation by hedgehog and Wnt signaling in surface zone bovine articular chondrocytes. <i>Arthritis and Rheumatism</i> , 2013, 65, 408-417.	6.7	14
86	Thyroid hormones enhance the biomechanical functionality of scaffold-free neocartilage. <i>Arthritis Research and Therapy</i> , 2015, 17, 28.	3.5	10
87	Local control of hepatic phenotype with growth factor-encoded surfaces. <i>Integrative Biology (United Kingdom)</i> 11, 1307-1314. doi:10.1039/c3ib27004a	1.3	7
88	Superficial Zone Extracellular Matrix Extracts Enhance Boundary Lubrication of Self-Assembled Articular Cartilage. <i>Cartilage</i> , 2016, 7, 256-264.	2.7	7
89	Identification and cloning of a novel type I serine / threonine kinase receptor of the TGF β / BMP superfamily in rat prostate. <i>IUBMB Life</i> , 1996, 40, 993-1001.	3.4	6
90	Immunohistochemical Localization of Bone Morphogenetic Proteins (BMPs) and their Receptors in Solitary and Multiple Human Osteochondromas. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 488-498.	2.5	4

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91	Optimization of Methods for Articular Cartilage Surface Tissue Engineering: Cell Density and Transforming Growth Factor Beta Are Critical for Self-Assembly and Lubricin Secretion. Tissue Engineering - Part C: Methods, 2017, 23, 389-395.	2.1	4
92	Inhibition of cell death in the intervertebral disc by caspase 3 small interfering RNA. Arthritis and Rheumatism, 2011, 63, 1477-1478.	6.7	3
93	Historical Perspective of Bone Morphogenetic Proteins. , 2017, , 1-13.		2
94	A nanoindentation technique for functional evaluation of cartilage repair tissue. Journal of Materials Research, 2004, 19, 273-281.	2.6	2
95	Osteogenic Competence and Potency of the Bone Induction Principle. Journal of Craniofacial Surgery, 2021, Publish Ahead of Print, .	0.7	1
96	Marshall R. Urist: a renaissance scientist and orthopaedic surgeon. Journal of Bone and Joint Surgery - Series A, 2003, 85-A Suppl 3, 3-7.	3.0	1
97	Bone morphogenetic proteins. , 2003, , 1179-1185.		0
98	Regulation of lubricin/superficial zone protein by Wnt signalling in bovine synoviocytes. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, 172-177.	2.7	0
99	Bone morphogenetic proteins and related cytokines. , 2001, , 147-156.		0
100	Bio-Inspired Morphogens and Biomimetic Biomaterials for Regenerative Medicine. Materials Research Society Symposia Proceedings, 2003, 774, 111.	0.1	0
101	Growth Factors and Morphogens. , 2007, , 2-1-2-5.		0