

# Hani A Awad

## List of Publications by Year in descending order

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152  
papers

11,498  
citations

38660

50  
h-index

30010

103  
g-index

158  
all docs

158  
docs citations

158  
times ranked

12662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cantilever Bending of Murine Femoral Necks. <i>Journal of Visualized Experiments</i> , 2022, , .	0.2	0
2	A high-throughput semi-automated bone segmentation workflow for murine hindpaw micro-CT datasets. <i>Bone Reports</i> , 2022, 16, 101167.	0.2	10
3	Altered TGF $\beta$ 1 regulated pathways promote accelerated tendon healing in the superhealer MRL/MpJ mouse. <i>Scientific Reports</i> , 2022, 12, 3026.	1.6	7
4	Determination of best Raman spectroscopy spatial offsets for transcutaneous bone quality assessments in human hands. , 2022, , .		0
5	Effects of tamoxifen on tendon homeostasis and healing: Considerations for the use of tamoxifenâ€inducible mouse models. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1572-1580.	1.2	7
6	A Biomechanical, Cadaveric Evaluation of Single- Versus Double-Row Repair Techniques on Stability of Bony Bankart Lesions. <i>American Journal of Sports Medicine</i> , 2021, 49, 773-779.	1.9	10
7	Improved prediction of femoral fracture toughness in mice by combining standard medical imaging with Raman spectroscopy. <i>Journal of Biomechanics</i> , 2021, 116, 110243.	0.9	10
8	Chondral Damage After Arthroscopic Repair Techniques for Acute Bony Bankart Lesions: A Biomechanical Study. <i>American Journal of Sports Medicine</i> , 2021, 49, 2743-2750.	1.9	5
9	<i>Staphylococcus aureus</i> Cell Wall Biosynthesis Modulates Bone Invasion and Osteomyelitis Pathogenesis. <i>Frontiers in Microbiology</i> , 2021, 12, 723498.	1.5	19
10	Determination of best Raman spectroscopy spatial offsets for transcutaneous bone quality assessments in human hands. <i>Biomedical Optics Express</i> , 2021, 12, 7517.	1.5	4
11	A Mouse Femoral Osteotomy Model to Assess Bone Graft Substitutes. <i>Methods in Molecular Biology</i> , 2021, 2230, 75-89.	0.4	2
12	Characterizing Naked Nuclei Frequency and Movement in Primary AML Cell Culture Using an ECM-Based Model. <i>Blood</i> , 2021, 138, 2365-2365.	0.6	0
13	Determination of spatially offset Raman spectroscopy geometry suitable for human hand bone quality assessment. , 2021, , .		0
14	Inhibition of the Prostaglandin EP-1 Receptor in Periosteum Progenitor Cells Enhances Osteoblast Differentiation and Fracture Repair. <i>Annals of Biomedical Engineering</i> , 2020, 48, 927-939.	1.3	4
15	American Society for Bone and Mineral Researchâ€Orthopaedic Research Society Joint Task Force Report on Cellâ€Based Therapies. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 3-17.	3.1	11
16	Transcriptomic Analysis of Cellular Pathways in Healing Flexor Tendons of Plasminogen Activator Inhibitor 1 (PAIâ€1/Serpine1) Null Mice. <i>Journal of Orthopaedic Research</i> , 2020, 38, 43-58.	1.2	15
17	NF- $\kappa$ B activation persists into the remodeling phase of tendon healing and promotes myofibroblast survival. <i>Science Signaling</i> , 2020, 13, .	1.6	42
18	Lactate Dehydrogenase Inhibition With Oxamate Exerts Bone Anabolic Effect. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2432-2443.	3.1	21

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19	Inhibition of the mitochondrial permeability transition improves bone fracture repair. <i>Bone</i> , 2020, 137, 115391.	1.4	16
20	Peritalar Kinematics With Combined Deltoid-Spring Ligament Reconstruction in Simulated Advanced Adult Acquired Flatfoot Deformity. <i>Foot and Ankle International</i> , 2020, 41, 1149-1157.	1.1	11
21	Teriparatide (recombinant parathyroid hormone 1 $\alpha$ 34) enhances bone allograft integration in a clinically relevant pig model of segmental mandibulectomy. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1037-1049.	1.3	4
22	A brief history of tendon and ligament bioreactors: Impact and future prospects. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2318-2330.	1.2	25
23	Bone tissue engineering. , 2020, , 1511-1519.		0
24	American Society for Bone and Mineral Research $\rightarrow$ Orthopaedic Research Society Joint Task Force Report on Cell $\rightarrow$ Based Therapies $\rightarrow$ Secondary Publication. <i>Journal of Orthopaedic Research</i> , 2020, 38, 485-502.	1.2	7
25	Identification of Penicillin Binding Protein 4 (PBP4) as a critical factor for <i>Staphylococcus aureus</i> bone invasion during osteomyelitis in mice. <i>PLoS Pathogens</i> , 2020, 16, e1008988.	2.1	32
26	The Effects of Splitting an Above Elbow Cast: A biomechanical study. <i>Injury</i> , 2020, 51, 1759-1762.	0.7	1
27	Deletion of NFKB1 enhances canonical NF $\rightarrow$ B signaling and increases macrophage and myofibroblast content during tendon healing. <i>Scientific Reports</i> , 2019, 9, 10926.	1.6	55
28	Evolving concepts in bone infection: redefining $\rightarrow$ biofilm $\rightarrow$ , $\rightarrow$ acute vs. chronic osteomyelitis $\rightarrow$ , $\rightarrow$ the immune proteome $\rightarrow$ and $\rightarrow$ local antibiotic therapy $\rightarrow$ . <i>Bone Research</i> , 2019, 7, 20.	5.4	300
29	An in vitro platform for elucidating the molecular genetics of <i>S. aureus</i> invasion of the osteocyte lacuno-canalicular network during chronic osteomyelitis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102039.	1.7	28
30	Calcium Phosphate Spacers for the Local Delivery of Sitafloxacin and Rifampin to Treat Orthopedic Infections: Efficacy and Proof of Concept in a Mouse Model of Single-Stage Revision of Device-Associated Osteomyelitis. <i>Pharmaceutics</i> , 2019, 11, 94.	2.0	27
31	Assessment of Cellular Responses of Tissue Constructs in $\rightarrow$ Vitro in Regenerative Engineering. , 2019, , 414-426.		1
32	What Regions of the Distal Clavicle Have the Greatest Bone Mineral Density and Cortical Thickness? A Cadaveric Study. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 2726-2732.	0.7	11
33	Reconstruction of the Superior Glenoid Labrum With $\rightarrow$ Biceps Tendon Autograft: A Cadaveric Biomechanical Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2019, 35, 353-358.	1.3	6
34	Serpine1 Knockdown Enhances MMP Activity after Flexor Tendon Injury in Mice: Implications for Adhesions Therapy. <i>Scientific Reports</i> , 2018, 8, 5810.	1.6	36
35	Teriparatide (human PTH1 $\rightarrow$ 34) compensates for impaired fracture healing in COX-2 deficient mice. <i>Bone</i> , 2018, 110, 150-159.	1.4	14
36	Three dimensional printed calcium phosphate and poly(caprolactone) composites with improved mechanical properties and preserved microstructure. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 663-672.	2.1	32

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37	A High-Throughput Screening Approach To Repurpose FDA-Approved Drugs for Bactericidal Applications against Staphylococcus aureus Small-Colony Variants. MSphere, 2018, 3, .	1.3	31
38	Targeting the gut microbiome to treat the osteoarthritis of obesity. JCI Insight, 2018, 3, .	2.3	166
39	Patient-Specific 3-Dimensional Modeling and Its Use for Preoperative Counseling of Patients Undergoing Hip Arthroscopy. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711879464.	0.8	5
40	Spatially offset Raman spectroscopy for in vivo bone strength prediction. Biomedical Optics Express, 2018, 9, 4781.	1.5	30
41	Dwjm-Adherence Induces Chemotherapy Resistance in Primary Acute Myeloid Leukemia By Altering Leukemia Cell Metabolism. Blood, 2018, 132, 3953-3953.	0.6	0
42	3D Printing of Calcium Phosphate Ceramics for Bone Tissue Engineering and Drug Delivery. Annals of Biomedical Engineering, 2017, 45, 23-44.	1.3	271
43	Sensitivity of spatially offset Raman spectroscopy (SORS) to subcortical bone tissue. Journal of Biophotonics, 2017, 10, 990-996.	1.1	28
44	In situ bone tissue engineering via ultrasound-mediated gene delivery to endogenous progenitor cells in mini-pigs. Science Translational Medicine, 2017, 9, .	5.8	105
45	Sclerostin activity plays a key role in the negative effect of glucocorticoid signaling on osteoblast function in mice. Bone Research, 2017, 5, 17013.	5.4	20
46	Evidence of Staphylococcus Aureus Deformation, Proliferation, and Migration in Canaliculi of Live Cortical Bone in Murine Models of Osteomyelitis. Journal of Bone and Mineral Research, 2017, 32, 985-990.	3.1	193
47	Diblock Copolymer Hydrophobicity Facilitates Efficient Gene Silencing and Cytocompatible Nanoparticle-Mediated siRNA Delivery to Musculoskeletal Cell Types. Biomacromolecules, 2017, 18, 3753-3765.	2.6	20
48	Notice of Removal: Ultrasound-mediated transfection of endogenous stem cells for regenerative medicine. , 2017, , .		0
49	High dose teriparatide (rPTH1-34) therapy increases callus volume and enhances radiographic healing at 8-weeks in a massive canine femoral allograft model. PLoS ONE, 2017, 12, e0185446.	1.1	6
50	Biomaterials approaches to treating implant-associated osteomyelitis. Biomaterials, 2016, 81, 58-71.	5.7	248
51	NOTCH signaling in skeletal progenitors is critical for fracture repair. Journal of Clinical Investigation, 2016, 126, 1471-1481.	3.9	96
52	Transient gamma-secretase inhibition accelerates and enhances fracture repair likely via Notch signaling modulation. Bone, 2015, 73, 77-89.	1.4	21
53	Hydroxyapatite Thin Films with Giant Electrical Polarization. Chemistry of Materials, 2015, 27, 1164-1171.	3.2	35
54	TGFβ <sup>2</sup> 1 Suppresses Plasmin and MMP Activity in Flexor Tendon Cells via PAI <sup>1</sup> : Implications for Scarless Flexor Tendon Repair. Journal of Cellular Physiology, 2015, 230, 318-326.	2.0	27

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55	Parathyroid hormone 1 $\alpha$ 34 enhances extracellular matrix deposition and organization during flexor tendon repair. <i>Journal of Orthopaedic Research</i> , 2015, 33, 17-24.	1.2	21
56	The Effect of the Epitendinous Suture on Gliding in a Cadaveric Model of Zone II Flexor Tendon Repair. <i>Journal of Hand Surgery</i> , 2015, 40, 1363-1368.	0.7	4
57	Development of antisense oligonucleotide (ASO) technology against Tgf $\beta$ 2 signaling to prevent scarring during flexor tendon repair. <i>Journal of Orthopaedic Research</i> , 2015, 33, 859-866.	1.2	39
58	Flexor Digitorum Superficialis Repair Outside the A2 Pulley After Zone II Laceration: Gliding and Bowstringing. <i>Journal of Hand Surgery</i> , 2015, 40, 653-659.	0.7	3
59	A novel murine model of established Staphylococcal bone infection in the presence of a fracture fixation plate to study therapies utilizing antibiotic-laden spacers after revision surgery. <i>Bone</i> , 2015, 72, 128-136.	1.4	53
60	Loss of the PGE2 receptor EP1 enhances bone acquisition, which protects against age and ovariectomy-induced impairments in bone strength. <i>Bone</i> , 2015, 72, 92-100.	1.4	15
61	Systemic EP4 Inhibition Increases Adhesion Formation in a Murine Model of Flexor Tendon Repair. <i>PLoS ONE</i> , 2015, 10, e0136351.	1.1	22
62	Tendon Repair Is Compromised in a High Fat Diet-Induced Mouse Model of Obesity and Type 2 Diabetes. <i>PLoS ONE</i> , 2014, 9, e91234.	1.1	50
63	Delayed Fracture Healing and Increased Callus Adiposity in a C57BL/6J Murine Model of Obesity-Associated Type 2 Diabetes Mellitus. <i>PLoS ONE</i> , 2014, 9, e99656.	1.1	88
64	Deletion of Mecom in mouse results in early-onset spinal deformity and osteopenia. <i>Bone</i> , 2014, 60, 148-161.	1.4	19
65	The Effect of Pulley Reconstruction on Maximum Flexion, Bowstringing, and Gliding Coefficient in the Setting of Zone II Repair of FDS and FDP: A Cadaveric Investigation. <i>Hand</i> , 2014, 9, 99-104.	0.7	6
66	Bone Tissue Engineering. , 2014, , 1733-1743.		14
67	Aging periosteal progenitor cells have reduced regenerative responsiveness to bone injury and to the anabolic actions of PTH 1-34 treatment. <i>Bone</i> , 2014, 62, 79-89.	1.4	72
68	The effect of mesenchymal stem cell sheets on structural allograft healing of critical sized femoral defects in mice. <i>Biomaterials</i> , 2014, 35, 2752-2759.	5.7	89
69	3D printing of composite calcium phosphate and collagen scaffolds for bone regeneration. <i>Biomaterials</i> , 2014, 35, 4026-4034.	5.7	710
70	Freeze-dried allograft-mediated gene or protein delivery of growth and differentiation factor 5 reduces reconstructed murine flexor tendon adhesions. <i>Journal of Tissue Engineering</i> , 2014, 5, 204173141452873.	2.3	13
71	A Mouse Model of Flexor Tendon Repair. <i>Methods in Molecular Biology</i> , 2014, 1130, 73-88.	0.4	5
72	Bone fragility beyond strength and mineral density: Raman spectroscopy predicts femoral fracture toughness in a murine model of rheumatoid arthritis. <i>Journal of Biomechanics</i> , 2013, 46, 723-730.	0.9	41

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73	Immature mice are more susceptible to the detrimental effects of high fat diet on cancellous bone in the distal femur. <i>Bone</i> , 2013, 57, 174-183.	1.4	45
74	Principles of engineering tissue regeneration (Sun Valley 2012). <i>IBMS BoneKEy</i> , 2013, 10, .	0.1	3
75	Addition of a Suture Anchor for Coracoclavicular Fixation to a Superior Locking Plate Improves Stability of Type IIB Distal Clavicle Fractures. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 998-1004.	1.3	48
76	Comparison of an All-Inside Suture Technique With Traditional Pull-Out Suture and Suture Anchor Repair Techniques for Flexor Digitorum Profundus Attachment to Bone. <i>Journal of Hand Surgery</i> , 2013, 38, 1084-1090.	0.7	29
77	Structural and biomechanical responses of osseous healing: a novel murine nonunion model. <i>Journal of Orthopaedics and Traumatology</i> , 2013, 14, 247-257.	1.0	8
78	Cellular and Molecular Factors in Flexor Tendon Repair and Adhesions: A Histological and Gene Expression Analysis. <i>Connective Tissue Research</i> , 2013, 54, 218-226.	1.1	91
79	Overconstrained library-based fitting method reveals age- and disease-related differences in transcutaneous Raman spectra of murine bones. <i>Journal of Biomedical Optics</i> , 2013, 18, 077001.	1.4	30
80	PTH-enhanced structural allograft healing is associated with decreased angiotensin-2-mediated arteriogenesis, mast cell accumulation, and fibrosis. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 586-597.	3.1	49
81	Engineering superficial zone features in tissue engineered cartilage. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1476-1486.	1.7	24
82	Transcutaneous monitoring of steroid-induced osteoporosis with Raman spectroscopy. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
83	Mechanisms of bone fragility in a mouse model of glucocorticoid-treated rheumatoid arthritis: Implications for insufficiency fracture risk. <i>Arthritis and Rheumatism</i> , 2012, 64, 3649-3659.	6.7	39
84	Bone Marrow-Derived Matrix Metalloproteinase-9 Is Associated with Fibrous Adhesion Formation after Murine Flexor Tendon Injury. <i>PLoS ONE</i> , 2012, 7, e40602.	1.1	37
85	Endogenous tissue engineering: PTH therapy for skeletal repair. <i>Cell and Tissue Research</i> , 2012, 347, 545-552.	1.5	48
86	Insights into interstitial flow, shear stress, and mass transport effects on ECM heterogeneity in bioreactor-cultivated engineered cartilage hydrogels. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012, 11, 689-702.	1.4	40
87	Delayed short-course treatment with teriparatide (PTH1-34) improves femoral allograft healing by enhancing intramembranous bone formation at the graft-host junction. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 26-37.	3.1	33
88	Gene Expression Analysis of the Pleiotropic Effects of TGF- $\beta$ 1 in an In Vitro Model of Flexor Tendon Healing. <i>PLoS ONE</i> , 2012, 7, e51411.	1.1	78
89	Prospects of Tendon Tissue Engineering in Sports Medicine. <i>Deutsche Zeitschrift Fur Sportmedizin</i> , 2012, 2012, 132-135.	0.2	3
90	Neonatal Hyperoxia Causes Pulmonary Vascular Disease and Shortens Life Span in Aging Mice. <i>American Journal of Pathology</i> , 2011, 178, 2601-2610.	1.9	106

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91	Teriparatide therapy enhances devitalized femoral allograft osseointegration and biomechanics in a murine model. <i>Bone</i> , 2011, 48, 562-570.	1.4	55
92	The Impact of Smad3 Loss of Function on TGF- $\beta$ 2 Signaling and Radiation-Induced Capsular Contracture. <i>Plastic and Reconstructive Surgery</i> , 2011, 127, 2263-2269.	0.7	47
93	Steroid-induced osteoporosis monitored by Raman spectroscopy. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
94	Raman spectroscopy detects deterioration in biomechanical properties of bone in a glucocorticoid-treated mouse model of rheumatoid arthritis. <i>Journal of Biomedical Optics</i> , 2011, 16, 087012.	1.4	34
95	Tumor necrosis factor inhibits mesenchymal stem cell differentiation into osteoblasts via the ubiquitin E3 ligase Wwp1. <i>Stem Cells</i> , 2011, 29, 1601-1610.	1.4	120
96	Impact of Smad3 loss of function on scarring and adhesion formation during tendon healing. <i>Journal of Orthopaedic Research</i> , 2011, 29, 684-693.	1.2	103
97	Establishment of an index with increased sensitivity for assessing murine arthritis. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1145-1151.	1.2	45
98	TNF is required for the induction but not the maintenance of compression-induced BME signals in murine tail vertebrae: Limitations of anti-TNF therapy for degenerative disc disease. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1367-1374.	1.2	5
99	EP1 $\beta$ mice have enhanced osteoblast differentiation and accelerated fracture repair. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 792-802.	3.1	33
100	Self-complementary AAV2.5-BMP2-coated Femoral Allografts Mediated Superior Bone Healing Versus Live Autografts in Mice With Equivalent Biomechanics to Unfractured Femur. <i>Molecular Therapy</i> , 2011, 19, 1416-1425.	3.7	55
101	Teriparatide Therapy and Beta-Tricalcium Phosphate Enhance Scaffold Reconstruction of Mouse Femoral Defects. <i>Tissue Engineering - Part A</i> , 2011, 17, 389-398.	1.6	30
102	Teriparatide as a Chondroregenerative Therapy for Injury-Induced Osteoarthritis. <i>Science Translational Medicine</i> , 2011, 3, 101ra93.	5.8	145
103	A Novel Animal Model for Studying Silicone Gel-Related Capsular Contracture. <i>Plastic and Reconstructive Surgery</i> , 2010, 126, 1483-1491.	0.7	33
104	Evaluation of dense polylactic acid/beta-tricalcium phosphate scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 717-726.	2.1	40
105	Chronic axial compression of the mouse tail segment induces MRI bone marrow edema changes that correlate with increased marrow vasculature and cellularity. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1220-1228.	1.2	12
106	Effects of antiresorptive agents on osteomyelitis. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 84-94.	1.8	31
107	Direct Gene Therapy for Bone Regeneration: Gene Delivery, Animal Models, and Outcome Measures. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 13-20.	2.5	56
108	Axin2 controls bone remodeling through the $\beta$ -catenin-BMP signaling pathway in adult mice. <i>Journal of Cell Science</i> , 2009, 122, 3566-3578.	1.2	101

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109	Remodeling of murine intrasynovial tendon adhesions following injury: MMP and neotendon gene expression. <i>Journal of Orthopaedic Research</i> , 2009, 27, 833-840.	1.2	94
110	Reduced COX-2 Expression in Aged Mice Is Associated With Impaired Fracture Healing. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 251-264.	3.1	145
111	$\hat{1}$ / $\hat{4}$ CT-Based Measurement of Cortical Bone Graft-to-Host Union. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 899-907.	3.1	38
112	Chondrogenic Differentiation of Adipose-Derived Adult Stem Cells by a Porous Scaffold Derived from Native Articular Cartilage Extracellular Matrix. <i>Tissue Engineering - Part A</i> , 2009, 15, 231-241.	1.6	259
113	In Vivo Parathyroid Hormone Treatment Expands All Multipotent Primitive Hematopoietic Cell Subsets.. <i>Blood</i> , 2009, 114, 1449-1449.	0.6	0
114	The effect of surface demineralization of cortical bone allograft on the properties of recombinant adeno-associated virus coatings. <i>Biomaterials</i> , 2008, 29, 3882-3887.	5.7	15
115	A Perspective: Engineering Periosteum for Structural Bone Graft Healing. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 1777-1787.	0.7	194
116	Quantitative mouse model of implant-associated osteomyelitis and the kinetics of microbial growth, osteolysis, and humoral immunity. <i>Journal of Orthopaedic Research</i> , 2008, 26, 96-105.	1.2	131
117	Functional tissue engineering for tendon repair: A multidisciplinary strategy using mesenchymal stem cells, bioscaffolds, and mechanical stimulation. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1-9.	1.2	333
118	Differential effects of biologic versus bisphosphonate inhibition of wear debris-induced osteolysis assessed by longitudinal micro-CT. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1340-1346.	1.2	47
119	Elucidating bone marrow edema and myelopoiesis in murine arthritis using contrast-enhanced magnetic resonance imaging. <i>Arthritis and Rheumatism</i> , 2008, 58, 2019-2029.	6.7	45
120	Induction of an osteoarthritis-like phenotype and degradation of phosphorylated Smad3 by Smurf2 in transgenic mice. <i>Arthritis and Rheumatism</i> , 2008, 58, 3132-3144.	6.7	112
121	Screw orientation and plate type (variable- vs. fixed-angle) effect strength of fixation for in vitro biomechanical testing of the Synthes CSLP. <i>Spine Journal</i> , 2008, 8, 717-722.	0.6	35
122	Adhesions in a murine flexor tendon graft model: Autograft versus allograft reconstruction. <i>Journal of Orthopaedic Research</i> , 2008, 26, 824-833.	1.2	83
123	Ubiquitin Ligase Smurf1 Mediates Tumor Necrosis Factor-induced Systemic Bone Loss by Promoting Proteasomal Degradation of Bone Morphogenetic Signaling Proteins. <i>Journal of Biological Chemistry</i> , 2008, 283, 23084-23092.	1.6	121
124	Freeze-dried Tendon Allografts as Tissue-engineering Scaffolds for Gdf5 Gene Delivery. <i>Molecular Therapy</i> , 2008, 16, 466-473.	3.7	82
125	Inhibition of $\hat{1}$ / $\hat{2}$ -catenin signaling causes defects in postnatal cartilage development. <i>Journal of Cell Science</i> , 2008, 121, 1455-1465.	1.2	129
126	Screw Pull-out Force is Dependent on Screw Orientation in an Anterior Cervical Plate Construct. <i>Journal of Spinal Disorders and Techniques</i> , 2007, 20, 369-373.	1.8	20



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127	Recent Advances in Gene Delivery for Structural Bone Allografts. <i>Tissue Engineering</i> , 2007, 13, 1973-1985.	4.9	46
128	Structural Bone Allograft Combined with Genetically Engineered Mesenchymal Stem Cells as a Novel Platform for Bone Tissue Engineering. <i>Tissue Engineering</i> , 2007, 13, 435-445.	4.9	103
129	Longitudinal assessment of synovial, lymph node, and bone volumes in inflammatory arthritis in mice by in vivo magnetic resonance imaging and microfocal computed tomography. <i>Arthritis and Rheumatism</i> , 2007, 56, 4024-4037.	6.7	79
130	Micro-computed tomography prediction of biomechanical strength in murine structural bone grafts. <i>Journal of Biomechanics</i> , 2007, 40, 3178-3186.	0.9	55
131	Alteration of femoral bone morphology and density in COX-2 <sup>-/-</sup> mice. <i>Bone</i> , 2006, 39, 767-772.	1.4	38
132	Clonal analysis of the differentiation potential of human adipose-derived adult stem cells. <i>Journal of Cellular Physiology</i> , 2006, 206, 229-237.	2.0	434
133	Structural Bone Allograft Combined with Genetically Engineered Mesenchymal Stem Cells As a Novel Platform for Bone Tissue Engineering. <i>Tissue Engineering</i> , 2006, .	4.9	2
134	Periosteal Progenitor Cell Fate in Segmental Cortical Bone Graft Transplantations: Implications for Functional Tissue Engineering. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 2124-2137.	3.1	294
135	Influence of oxygen on the proliferation and metabolism of adipose derived adult stem cells. <i>Journal of Cellular Physiology</i> , 2005, 204, 184-191.	2.0	200
136	Biological Effects of rAAV-caAlk2 Coating on Structural Allograft healing. <i>Molecular Therapy</i> , 2005, 12, 212-218.	3.7	93
137	Role of Matrix Extracellular Phosphoglycoprotein in the Pathogenesis of X-Linked Hypophosphatemia. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 1645-1653.	3.0	81
138	The Effects of ZD6474, an Inhibitor of VEGF Signaling, on Cutaneous Wound Healing in Mice <sup>1</sup> . <i>Journal of Surgical Research</i> , 2005, 129, 251-259.	0.8	30
139	Selective Runx2-II deficiency leads to low-turnover osteopenia in adult mice. <i>Developmental Biology</i> , 2005, 283, 345-356.	0.9	71
140	Molecular diffusion in tissue-engineered cartilage constructs: Effects of scaffold material, time, and culture conditions. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 70B, 397-406.	3.0	130
141	Chondrogenic differentiation of adipose-derived adult stem cells in agarose, alginate, and gelatin scaffolds. <i>Biomaterials</i> , 2004, 25, 3211-3222.	5.7	728
142	Adipose-derived adult stem cells for cartilage tissue engineering. <i>Biorheology</i> , 2004, 41, 389-99.	1.2	143
143	Repair of patellar tendon injuries using a cell <sup>1</sup> collagen composite. <i>Journal of Orthopaedic Research</i> , 2003, 21, 420-431.	1.2	355
144	Effects of Transforming Growth Factor <sup>1</sup> and Dexamethasone on the Growth and Chondrogenic Differentiation of Adipose-Derived Stromal Cells. <i>Tissue Engineering</i> , 2003, 9, 1301-1312.	4.9	187

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145	Functional Tissue Engineering: Assessment of Function in Tendon and Ligament Repair. , 2003, , 213-226.		10
146	Chondrogenic Potential of Adipose Tissue-Derived Stromal Cells in Vitro and in Vivo. Biochemical and Biophysical Research Communications, 2002, 290, 763-769.	1.0	626
147	A potential mechanism for age-related declines in patellar tendon biomechanics. Journal of Orthopaedic Research, 2002, 20, 1315-1322.	1.2	118
148	In vitro characterization of mesenchymal stem cell-seeded collagen scaffolds for tendon repair: Effects of initial seeding density on contraction kinetics. , 2000, 51, 233-240.		193
149	Autologous Mesenchymal Stem Cell-Mediated Repair of Tendon. Tissue Engineering, 1999, 5, 267-277.	4.9	496
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