Jui-Sheng Sun

List of Publications by Year
in descending order

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153 papers	5,896 citations	57758 44 h-index	95266 68 g-index
153 all docs	153 docs citations	153 times ranked	8359 citing authors

#	Article	IF	Citations
1	Thermal decomposition and reconstitution of hydroxyapatite in air atmosphere. Biomaterials, 1999, 20, 1807-1813.	11.4	342
2	Studies of Photokilling of Bacteria Using Titanium Dioxide Nanoparticles. Artificial Organs, 2008, 32, 167-174.	1.9	201
3	Arthropod steroid hormone (20-Hydroxyecdysone) suppresses IL-1Î²- induced catabolic gene expression in cartilage. BMC Complementary and Alternative Medicine, 2015, 15, 1.	3.7	181
4	Icariin inhibits osteoclast differentiation and bone resorption by suppression of MAPKs/NF-ÎºB regulated HIF-1Î± and PGE2 synthesis. Phytomedicine, 2011, 18, 176-185.	5.3	151
5	Simvastatin promotes osteoblast viability and differentiation via Ras/Smad/Erk/BMP-2 signaling pathway. Nutrition Research, 2010, 30, 191-199.	2.9	144
6	Icariin isolated from Epimedium pubescens regulates osteoblasts anabolism through BMP-2, SMAD4, and Cbfa1 expression. Phytomedicine, 2010, 17, 414-423.	5.3	137
7	An ultra-weak chemiluminescence study on oxidative stress in rabbits following acute thermal injury. Burns, 1998, 24, 225-231.	1.9	135
8	Effect of pulse-burst electromagnetic field stimulation on osteoblast cell activities. Bioelectromagnetics, 2004, 25, 457-465.	1.6	133
9	Real-time visualization of pH-responsive PLGA hollow particles containing a gas-generating agent targeted for acidic organelles for overcoming multi-drug resistance. Biomaterials, 2013, 34, 1-10.	11.4	111
10	Thermo-Induced Shape-Memory PEG-PCL Copolymer as a Dual-Drug-Eluting Biodegradable Stent. ACS Applied Materials & Interfaces, 2013, 5, 10985-10994.	8.0	107
11	Injectable and Thermoresponsive Self-Assembled Nanocomposite Hydrogel for Long-Term Anticancer Drug Delivery. Langmuir, 2013, 29, 3721-3729.	3.5	105
12	The effect of gelatinâ€“chondroitin sulfateâ€“hyaluronic acid skin substitute on wound healing in SCID mice. Biomaterials, 2006, 27, 5689-5697.	11.4	104
13	The effects of calcium phosphate particles on the growth of osteoblasts. , 1997, 37, 324-334.		101
14	A novel biomagnetic nanoparticle based on hydroxyapatite. Nanotechnology, 2007, 18, 165601.	2.6	100
15	In vitro effects of low-intensity ultrasound stimulation on the bone cells. Journal of Biomedical Materials Research Part B, 2001, 57, 449-456.	3.1	95
16	Multichanneled Nerve Guidance Conduit with Spatial Gradients of Neurotrophic Factors and Oriented Nanotopography for Repairing the Peripheral Nervous System. ACS Applied Materials & Interfaces, 2017, 9, 37623-37636.	8.0	92
17	Biological effects and cytotoxicity of the composite composed by tricalcium phosphate and glutaraldehyde cross-linked gelatin. Biomaterials, 1998, 19, 905-917.	11.4	86
18	Coculture of endothelial and smooth muscle cells on a collagen membrane in the development of a small-diameter vascular graft. Biomaterials, 2007, 28, 1385-1392.	11.4	84

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19	The effect of Ca/P concentration and temperature of simulated body fluid on the growth of hydroxyapatite coating on alkali-treated 316L stainless steel. Biomaterials, 2002, 23, 4029-4038.	11.4	83
20	Influence of hydroxyapatite particle size on bone cell activities: Anin vitro study. Journal of Biomedical Materials Research Part B, 1998, 39, 390-397.	3.1	81
21	3D Porous Calcium-Alginate Scaffolds Cell Culture System Improved Human Osteoblast Cell Clusters for Cell Therapy. Theranostics, 2015, 5, 643-655.	10.0	81
22	Effects of Shock Waves on Tenocyte Proliferation and Extracellular Matrix Metabolism. Ultrasound in Medicine and Biology, 2008, 34, 841-852.	1.5	78
23	Icariin protects murine chondrocytes from lipopolysaccharide-induced inflammatory responses and extracellular matrix degradation. Nutrition Research, 2010, 30, 57-65.	2.9	75
24	Effect of hydroxyapatite particle size on myoblasts and fibroblasts. Biomaterials, 1997, 18, 683-690.	11.4	66
25	Biomimetic Bilayered Gelatin-Chondroitin 6 Sulfate-Hyaluronic Acid Biopolymer as a Scaffold for Skin Equivalent Tissue Engineering. Artificial Organs, 2006, 30, 141-149.	1.9	66
26	Preparation of a biphasic porous bioceramic by heating bovine cancellous bone with Na4P2O7Â·10H2O addition. Biomaterials, 1999, 20, 475-484.	11.4	65
27	The role of muscle-derived stem cells in bone tissue engineering. Biomaterials, 2005, 26, 3953-3960.	11.4	65
28	The influence of hydroxyapatite particles on osteoclast cell activities. Journal of Biomedical Materials Research Part B, 1999, 45, 311-321.	3.1	64
29	Study of thermal effects of ultrasound stimulation on fracture healing. Bioelectromagnetics, 2002, 23, 256-263.	1.6	64
30	Mechanical properties and histological evaluation of sintered Î²-Ca2P2O7 with Na4P2O7 Â· 10H2O addition. Biomaterials, 1995, 16, 793-802.	11.4	62
31	Glycosaminoglycan-based hybrid hydrogel encapsulated with polyelectrolyte complex nanoparticles for endogenous stem cell regulation in central nervous system regeneration. Biomaterials, 2018, 174, 17-30.	11.4	61
32	Direct effects of caffeine on osteoblastic cells metabolism: the possible causal effect of caffeine on the formation of osteoporosis. Journal of Orthopaedic Surgery and Research, 2006, 1, 7.	2.3	60
33	Comparison of ultrasound and electromagnetic field effects on osteoblast growth. Ultrasound in Medicine and Biology, 2006, 32, 769-775.	1.5	59
34	Regulation of adult human mesenchymal stem cells into osteogenic and chondrogenic lineages by different bioreactor systems. Journal of Biomedical Materials Research - Part A, 2009, 88A, 935-946.	4.0	57
35	Petal-like apatite formed on the surface of tricalcium phosphate ceramic after soaking in distilled water. Biomaterials, 2001, 22, 2981-2992.	11.4	56
36	A study on grafting and characterization of HMDI-modified calcium hydrogenphosphate. Biomaterials, 2001, 22, 3179-3189.	11.4	52

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37	The Effect of a New Anular Repair After Discectomy in Intervertebral Disc Degeneration. Spine, 2011, 36, 761-769.	2.0	51
38	Biological characterization of oxidized hyaluronic acid/resveratrol hydrogel for cartilage tissue engineering. Journal of Biomedical Materials Research - Part A, 2013, 101, 3457-3466.	4.0	50
39	Fibrin glue mixed with gelatin/hyaluronic acid/chondroitin-6-sulfate tri-copolymer for articular cartilage tissue engineering: The results of real-time polymerase chain reaction. Journal of Biomedical Materials Research - Part A, 2007, 82A, 757-767.	4.0	49
40	Extracorporeal shockwave therapy improves short-term functional outcomes of shoulder adhesive capsulitis. Journal of Shoulder and Elbow Surgery, 2014, 23, 1843-1851.	2.6	49
41	Preparation of ?TCP/HAP biphasic ceramics with natural bone structure by heating bovine cancellous bone with the addition of (NH4)2HPO4. , 2000, 51, 157-163.		48
42	Optimum intensities of ultrasound for pge 2 secretion and growth of osteoblasts. Ultrasound in Medicine and Biology, 2002, 28, 683-690.	1.5	48
43	Preparation of high-temperature stabilized Î²-tricalcium phosphate by heating deficient hydroxyapatite with Na4P2O7Â·10H2O addition. Biomaterials, 1998, 19, 1101-1107.	11.4	47
44	Biocompatibility of NGF-grafted GTG membranes for peripheral nerve repair using cultured Schwann cells. Biomaterials, 2004, 25, 5667-5673.	11.4	47
45	The effect of morphology variety of EVAL membranes on the behavior of myoblasts in vitro. Biomaterials, 1998, 19, 717-724.	11.4	45
46	A Novel Albumin-Based Tissue Scaffold for Autogenic Tissue Engineering Applications. Scientific Reports, 2014, 4, 5600.	3.3	45
47	The effect of Gu-Sui-Bu (Drynaria fortunei J. Sm) on bone cell activities. Biomaterials, 2002, 23, 3377-3385.	11.4	43
48	Biological effects and cytotoxicity of tricalcium phosphate and formaldehyde cross-linked gelatin composite. Materials Chemistry and Physics, 1996, 45, 6-14.	4.0	42
49	Enzyme-crosslinked gene-activated matrix for the induction of mesenchymal stem cells in osteochondral tissue regeneration. Acta Biomaterialia, 2017, 63, 210-226.	8.3	42
50	Degradation behaviour of a new bioceramic: Ca2P2O7 with addition of Na4P2O7 Â· 10H2O. Biomaterials, 1997, 18, 915-921.	11.4	41
51	Magnetic hyperthermia enhance the treatment efficacy of peri-implant osteomyelitis. BMC Infectious Diseases, 2017, 17, 516.	2.9	41
52	Fabrication of large perfusable macroporous cell-laden hydrogel scaffolds using microbial transglutaminase. Acta Biomaterialia, 2014, 10, 912-920.	8.3	40
53	Collagen-Hydroxyapatite Microspheres as Carriers for Bone Morphogenic Protein-4. Artificial Organs, 2003, 27, 162-168.	1.9	39
54	High glucose alters tendon homeostasis through downregulation of the AMPK/Egr1 pathway. Scientific Reports, 2017, 7, 44199.	3.3	39

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55	Effects of Low Intensity Pulsed Ultrasound on Rat Schwann Cells Metabolism. Artificial Organs, 2011, 35, 373-383.	1.9	38
56	Biomimetic Synthesis of Nanocrystalline Hydroxyapatite Composites: Therapeutic Potential and Effects on Bone Regeneration. International Journal of Molecular Sciences, 2019, 20, 6002.	4.1	38
57	Ex Vivo Magnetofection With Magnetic Nanoparticles: A Novel Platform for Nonviral Tissue Engineering. Artificial Organs, 2008, 32, 195-204.	1.9	37
58	Anti-inflammatory effects of daidzein on primary astroglial cell culture. Nutritional Neuroscience, 2009, 12, 123-134.	3.1	37
59	Estrogen augments shear stressâ€“induced signaling and gene expression in osteoblast-like cells via estrogen receptorâ€“mediated expression of Î²1-integrin. Journal of Bone and Mineral Research, 2010, 25, 627-639.	2.8	35
60	Collagen-Hydroxyapatite/Tricalcium Phosphate Microspheres as a Delivery System for Recombinant Human Transforming Growth Factor-beta 1. Artificial Organs, 2003, 27, 605-612.	1.9	34
61	The influence on gene-expression profiling of osteoblasts behavior following treatment with the ionic products of sintered Î²-dicalcium pyrophosphate dissolution. Biomaterials, 2004, 25, 607-616.	11.4	34
62	Workplace interpersonal conflicts among the healthcare workers: Retrospective exploration from the institutional incident reporting system of a university-affiliated medical center. PLoS ONE, 2017, 12, e0171696.	2.5	34
63	Bone defect healing enhanced by ultrasound stimulation: Anin vitro tissue culture model. , 1999, 46, 253-261.		32
64	Mechanical stress-induced apoptosis of nucleus pulposus cells: an in vitro and in vivo rat model. Journal of Orthopaedic Science, 2014, 19, 313-322.	1.1	32
65	The chitosan/tri-calcium phosphate bio-composite bone cement promotes better osteo-integration: an in vitro and in vivo study. Journal of Orthopaedic Surgery and Research, 2019, 14, 162.	2.3	31
66	A Dynamic Hanging-Drop System for Mesenchymal Stem Cell Culture. International Journal of Molecular Sciences, 2020, 21, 4298.	4.1	30
67	In vivo kinematic study of normal wrist motion: an ultrafast computed tomographic study. Clinical Biomechanics, 2000, 15, 212-216.	1.2	29
68	An injectable extracellular matrix for the reconstruction of epidural fat and the prevention of epidural fibrosis. Biomedical Materials (Bristol), 2016, 11, 035010.	3.3	29
69	3D laser-printed porous Ti6Al4V dental implants for compromised bone support. Journal of the Formosan Medical Association, 2020, 119, 420-429.	1.7	28
70	Skin basement membrane and extracellular matrix proteins characterization and quantification by real time RT-PCR. Biomaterials, 2006, 27, 5059-5068.	11.4	26
71	Transglutaminase Cross-Linked Gelatin-Alginate-Antibacterial Hydrogel as the Drug Delivery-Coatings for Implant-Related Infections. Polymers, 2021, 13, 414.	4.5	25
72	Immobilization of Chinese herbal medicine onto the surface-modified calcium hydrogenphosphate. Biomaterials, 2003, 24, 2413-2422.	11.4	24

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73	The Effect of Chinese Medicine on Bone Cell Activities. The American Journal of Chinese Medicine, 2002, 30, 271-285.	3.8	23
74	The effects of tibia profile, distraction angle, and knee load on wedge instability and hinge fracture: A finite element study. Medical Engineering and Physics, 2017, 42, 48-54.	1.7	23
75	Augmentation of DMLS Biomimetic Dental Implants with Weight-Bearing Strut to Balance of Biologic and Mechanical Demands: From Bench to Animal. Materials, 2019, 12, 164.	2.9	23
76	Improvement of boneâ€tendon fixation by porous titanium interference screw: A rabbit animal model. Journal of Orthopaedic Research, 2018, 36, 2633-2640.	2.3	22
77	Evaluation and biological characterization of bilayer gelatin/chondroitin-6-sulphate/hyaluronic acid membrane. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 82B, 390-399.	3.4	21
78	Calcitonin Inhibits SDCP-Induced Osteoclast Apoptosis and Increases Its Efficacy in a Rat Model of Osteoporosis. PLoS ONE, 2012, 7, e40272.	2.5	21
79	Stimuli-responsive HA-PEI nanoparticles encapsulating endostatin plasmid for stem cell gene therapy. RSC Advances, 2013, 3, 12922.	3.6	21
80	Second messengers mediating the proliferation and collagen synthesis of tenocytes induced by low-level laser irradiation. Lasers in Medical Science, 2015, 30, 263-272.	2.1	21
81	The Effect of Sintered Î²â€Ðicalcium Pyrophosphate Particle Size on Newborn Wistar Rat Osteoblasts. Artificial Organs, 1999, 23, 331-338.	1.9	20
82	Cytokine and Prostaglandin E2 Release from Leukocytes in Response to Metal Ions Derived from Different Prosthetic Materials: An In Vitro Study. Artificial Organs, 1999, 23, 1099-1106.	1.9	20
83	Development and Characterization of a Bioinspired Bone Matrix with Aligned Nanocrystalline Hydroxyapatite on Collagen Nanofibers. Materials, 2016, 9, 198.	2.9	20
84	Novel design of additive manufactured hollow porous implants. Dental Materials, 2020, 36, 1437-1451.	3.5	20
85	Radix Scrophulariae extracts (harpagoside) suppresses hypoxia-induced microglial activation and neurotoxicity. BMC Complementary and Alternative Medicine, 2015, 15, 324.	3.7	19
86	Ibuprofen-conjugated hyaluronate/polygalacturonic acid hydrogel for the prevention of epidural fibrosis. Journal of Biomaterials Applications, 2016, 30, 1589-1600.	2.4	19
87	Sintered dicalcium pyrophosphate increases bone mass in ovariectomized rats. Journal of Biomedical Materials Research Part B, 2002, 59, 246-253.	3.1	17
88	The effect of sintered dicalcium pyrophosphate on osteoclast metabolism: An ultrastructural study. Journal of Biomedical Materials Research Part B, 2003, 64A, 616-621.	3.1	17
89	The effect of Gu-Sui-Bu (Drynaria fortunei J. Sm) immobilized modified calcium hydrogenphosphate on bone cell activities. Biomaterials, 2003, 24, 873-882.	11.4	17
90	Low-intensity pulsed ultrasound stimulates matrix metabolism of human annulus fibrosus cells mediated by transforming growth factorÎ²1 and extracellular signal-regulated kinase pathway. Connective Tissue Research, 2015, 56, 219-227.	2.3	17

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91	Comparison of complaints to the intensive care units and those to the general wards: an analysis using the Healthcare Complaint Analysis Tool in an academic medical center in Taiwan. Critical Care, 2018, 22, 335.	5.8	17
92	Multi-scale mapping for collagen-regulated mineralization in bone remodeling of additive manufacturing porous implants. Materials Chemistry and Physics, 2019, 230, 83-92.	4.0	17
93	Prevascularized bone graft cultured in sintered porous Î²-Ca2P2O7 with 5 wt% Na4P2O7Â·10H2O addition ceramic chamber. Biomaterials, 1996, 17, 1133-1140.	11.4	16
94	Effects of age and gender on remote pointing performance and their design implications. International Journal of Industrial Ergonomics, 1999, 23, 461-471.	2.6	16
95	The Effect of Gu-Sui-Bu (Drynaria fortunei) on Bone Cell Activity. The American Journal of Chinese Medicine, 2004, 32, 737-753.	3.8	16
96	Antioxidant status following acute ischemic limb injury: A rabbit model. Free Radical Research, 1999, 31, 9-21.	3.3	15
97	Effects of coumestrol on neonatal and adult mice osteoblasts activities. Journal of Biomedical Materials Research - Part A, 2007, 81A, 214-223.	4.0	15
98	The protective effects of coumestrol against amyloid-beta peptide- and lipopolysaccharide-induced toxicity on mice astrocytes. Neurological Research, 2011, 33, 663-672.	1.3	15
99	High false negative rate of Tc-99m MDP whole-body bone scintigraphy in detecting skeletal metastases for patients with hepatoma. Journal of the Formosan Medical Association, 2012, 111, 140-146.	1.7	15
100	In situ forming hydrogel composed of hyaluronate and polygalacturonic acid for prevention of peridural fibrosis. Journal of Materials Science: Materials in Medicine, 2015, 26, 168.	3.6	15
101	Efficacy and Safety of Postmenopausal Osteoporosis Treatments: A Systematic Review and Network Meta-Analysis of Randomized Controlled Trials. Journal of Clinical Medicine, 2021, 10, 3043.	2.4	15
102	Scavenging effect of benzophenones on the oxidative stress of skeletal muscle cells. Free Radical Biology and Medicine, 1999, 26, 1100-1107.	2.9	14
103	Osteogenic Evaluation of Glutaraldehyde Crosslinked Gelatin Composite with Fetal Rat Calvarial Culture Model. Artificial Organs, 2001, 25, 644-654.	1.9	14
104	Centrifugal Force Induces Human Ligamentum Flavum Fibroblasts Inflammation Through Activation of JNK and p38 Pathways. Connective Tissue Research, 2012, 53, 422-429.	2.3	14
105	Incidence of patient safety events and process-related human failures during intra-hospital transportation of patients: retrospective exploration from the institutional incident reporting system. BMJ Open, 2017, 7, e017932.	1.9	14
106	Hyperglycemia Augments the Adipogenic Transdifferentiation Potential of Tenocytes and Is Alleviated by Cyclic Mechanical Stretch. International Journal of Molecular Sciences, 2018, 19, 90.	4.1	14
107	Metformin-Incorporated Gelatin/Nano-Hydroxyapatite Scaffolds Promotes Bone Regeneration in Critical Size Rat Alveolar Bone Defect Model. International Journal of Molecular Sciences, 2022, 23, 558.	4.1	14
108	Epidermal morphogenesis in an in-vitro model using a fibroblasts-embedded collagen scaffold. Journal of Biomedical Science, 2005, 12, 855-867.	7.0	13

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109	Isoflavones prevent bone loss following ovariectomy in young adult rats. Journal of Orthopaedic Surgery and Research, 2008, 3, 12.	2.3	13
110	Improving patient safety during intrahospital transportation of mechanically ventilated patients with critical illness. BMJ Open Quality, 2020, 9, e000698.	1.1	13
111	The bonding behavior of DP-Bioglass and bone tissue. Materials Chemistry and Physics, 1996, 46, 36-42.	4.0	12
112	Fabrication and properties of acellular porcine anulus fibrosus for tissue engineering in spine surgery. Journal of Orthopaedic Surgery and Research, 2014, 9, 118.	2.3	12
113	Dose-dependent regulation of cell proliferation and collagen degradation by estradiol on ligamentum flavum. BMC Musculoskeletal Disorders, 2014, 15, 238.	1.9	12
114	Metformin-Incorporated Gelatin/Hydroxyapatite Nanofiber Scaffold for Bone Regeneration. Tissue Engineering - Part A, 2022, 28, 1-12.	3.1	12
115	Effect of anti-inflammatory medication on monocyte response to titanium particles. Journal of Biomedical Materials Research Part B, 2000, 52, 509-516.	3.1	11
116	Elastin-Derived Peptides Induce Inflammatory Responses through the Activation of NF-Î²B in Human Ligamentum Flavum Cells. Connective Tissue Research, 2012, 53, 407-414.	2.3	11
117	Kartogenin Enhances Chondrogenic Differentiation of MSCs in 3D Tri-Copolymer Scaffolds and the Self-Designed Bioreactor System. Biomolecules, 2021, 11, 115.	4.0	11
118	Behavior of fetal rat osteoblasts cultured in vitro on the DP-bioactive glass substratum. Materials Chemistry and Physics, 1997, 49, 270-276.	4.0	10
119	Vitamin-D Binding Protein Does Not Enhance Healing in Rat Bone Defects: A Pilot Study. Clinical Orthopaedics and Related Research, 2009, 467, 3156-3164.	1.5	10
120	Failure sites and peak tensile forces of the composite triceps surae muscle by passive extension in the rabbit. Clinical Biomechanics, 1994, 9, 310-314.	1.2	9
121	Effects of calcium phosphate bioceramics on skeletal muscle cells. , 1997, 34, 227-233.		9
122	Alveolar mononuclear cells can develop into multinucleated osteoclasts: Anin vitro cell culture model. Journal of Biomedical Materials Research Part B, 2000, 52, 142-147.	3.1	9
123	Investigation of Mitomycin-C-treated Fibroblasts in 3-D Collagen Gel and Conditioned Medium for Keratinocyte Proliferation. Artificial Organs, 2006, 30, 150-159.	1.9	9
124	EFFECT OF CALCIUM ION CONCENTRATION ON KERATINOCYTE BEHAVIORS IN THE DEFINED MEDIA. Biomedical Engineering - Applications, Basis and Communications, 2006, 18, 37-41.	0.6	9
125	Treatment of osteoarthritis with collagen-based scaffold: A porcine animal model with xenograft mesenchymal stem cells. Histology and Histopathology, 2018, 33, 1271-1286.	0.7	9
126	The effect of self-designed bifunctional RGD-containing fusion protein on the behavior of human keratinocytes and dermal fibroblasts. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 79B, 379-387.	3.4	8

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127	The cross-talk between transforming growth factor-beta1 and ultrasound stimulation during mechanotransduction of rat tenocytes. Connective Tissue Research, 2011, 52, 313-321.	2.3	8
128	A mutation of the Col2a1 gene (G1170S) alters the transgenic murine phenotype and cartilage matrix homeostasis. Journal of the Formosan Medical Association, 2014, 113, 803-812.	1.7	8
129	Biocompatibility and Biological Performance Evaluation of Additive-Manufactured Bioabsorbable Iron-Based Porous Suture Anchor in a Rabbit Model. International Journal of Molecular Sciences, 2021, 22, 7368.	4.1	8
130	The application potential of sintered Î²-dicalcium pyrophosphate in total joint arthroplasty. Journal of Arthroplasty, 2003, 18, 352-360.	3.1	7
131	Cancer as an infectious disease: A different treatment alternative using a combination of tigecycline and pyrvinium pamoate â€“ An example of breast cancer. Journal of Microbiology, Immunology and Infection, 2022, 55, 51-59.	3.1	7
132	In vitro cell behavior of osteoblasts on Pyrost bone substitute. The Anatomical Record, 1997, 247, 164-169.	1.8	6
133	The effects of cyclic stretching on tensile properties of the rabbit's skeletal muscle. Clinical Biomechanics, 1998, 13, 48-53.	1.2	6
134	A Modified BrostrÃ¶m Repair with Transosseous Fixation for Chronic Ankle Instability: A Midterm Followup Study in Soldiers. Indian Journal of Orthopaedics, 2018, 52, 315-321.	1.1	6
135	Morphological changes of the triceps surae muscle-tendon unit during passive extension: an in vivo rabbit model. Clinical Biomechanics, 1998, 13, 634-640.	1.2	5
136	Isokinetic eccentric exercise can induce skeletal muscle injury within the physiologic excursion of muscle-tendon unit: a rabbit model. Journal of Orthopaedic Surgery and Research, 2007, 2, 13.	2.3	5
137	Characterization of Magnetic Hydroxyapatite Nanocrystallites and Potential Application for MRI Contrast Agent. Current Nanoscience, 2011, 7, 902-907.	1.2	5
138	Tissue transglutaminase is involved in mechanical loadâ€“induced osteogenic differentiation of human ligamentum flavum cells. Connective Tissue Research, 2016, 57, 307-318.	2.3	4
139	Targeted Delivery of Hyaluronan-Immobilized Magnetic Ceramic Nanocrystals. Journal of Biomedical Nanotechnology, 2016, 12, 103-113.	1.1	4
140	Better Osteoporotic Fracture Healing with Sintered Dicalcium Pyrophosphate (SDCP) Treatment. Journal of Histochemistry and Cytochemistry, 2014, 62, 565-576.	2.5	3
141	Cultured keratinocytes and dermal fibroblasts on a double-layer scaffold with bi-medium culture system. Biomedical Sciences Instrumentation, 2003, 39, 500-5.	0.2	3
142	Cyclic mechanical stretch regulates the AMPK/Egr1 pathway in tenocytes via Ca2+-mediated mechanosensing. Connective Tissue Research, 2022, 63, 590-602.	2.3	3
143	Partial enzyme digestion facilitates regeneration of crushed nerve in rat. Translational Neuroscience, 2020, 11, 251-263.	1.4	2
144	PREPARATION AND EVALUATION OF GAG-INCORPORATED SKIN SUBSTITUTE: AN IN VITRO STUDY. Biomedical Engineering - Applications, Basis and Communications, 2006, 18, 153-157.	0.6	1

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145	Developing intelligent human-machine interface for next generation ICU by using user-centered system development approach. , 2014, , .		1
146	Wing-augmentation reduces femoral head cutting out of dynamic hip screw. Medical Engineering and Physics, 2017, 44, 73-78.	1.7	1
147	Influence of hydroxyapatite particle size on bone cell activities: An in vitro study. , 1998, 39, 390.		1
148	SURGICAL TREATMENT OF POSTERIOR INTEROSSEOUS NERVE SYNDROME. Hand Surgery, 1996, 01, 107-112.	0.6	0
149	Malignant peripheral nerve sheath tumour of the hand. Journal of Hand Surgery: European Volume, 2010, 35, 246-248.	1.0	0
150	Traumatic Femoral Vein Rupture Resulting in Compartment Syndrome with Concomitant Closed Femoral Diaphyseal Fracture. JBJS Case Connector, 2012, 2, e18.	0.3	0
151	A microfabricated coil for implantable applications of magnetic spinal cord stimulation. , 2015, 2015, 6912-5.		0
152	A leadership-based program can reduce boarding time of emergency department admissions. American Journal of Emergency Medicine, 2019, 37, 783-788.	1.6	0
153	Decoronation-induced infected alveolar socket defect rat model for ridge preservation. Scientific Reports, 2022, 12, .	3.3	0