

# Gianluca Giavaresi

## List of Publications by Year in descending order

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276  
papers

11,374  
citations

30551

56  
h-index

51423

90  
g-index

281  
all docs

281  
docs citations

281  
times ranked

14011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-fragmentation is a valid alternative to cell expansion and enzymatic digestion of adipose tissue for the treatment of knee osteoarthritis: a comparative preclinical study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 773-781.	2.3	20
2	Potential Anti-Metastatic Role of the Novel miR-CT3 in Tumor Angiogenesis and Osteosarcoma Invasion. <i>International Journal of Molecular Sciences</i> , 2022, 23, 705.	1.8	4
3	Multiple Effects of Resveratrol on Osteosarcoma Cell Lines. <i>Pharmaceuticals</i> , 2022, 15, 342.	1.7	16
4	Assessment of the in vivo biofunctionality of a biomimetic hybrid scaffold for osteochondral tissue regeneration. <i>Biotechnology and Bioengineering</i> , 2021, 118, 465-480.	1.7	8
5	Flavonoids in Bone Erosive Diseases: Perspectives in Osteoporosis Treatment. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 76-94.	3.1	42
6	Osseointegration of additive manufacturing Ti-6Al-4V and Co-Cr-Mo alloys, with and without surface functionalization with hydroxyapatite and type I collagen. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104262.	1.5	20
7	An alternative ex vivo method to evaluate the osseointegration of Ti-6Al-4V alloy also combined with collagen. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 025007.	1.7	4
8	How miR-31-5p and miR-33a-5p Regulates SP1/CX43 Expression in Osteoarthritis Disease: Preliminary Insights. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2471.	1.8	6
9	Autologous Protein Solution Effect on Chondrogenic Differentiation of Mesenchymal Stem Cells from Adipose Tissue and Bone Marrow in an Osteoarthritic Environment. <i>Cartilage</i> , 2021, 13, 225S-237S.	1.4	7
10	Preliminary Results of CitraVes, Effects on Low Density Lipoprotein Cholesterol and Waist Circumference in Healthy Subjects after 12 Weeks: A Pilot Open-Label Study. <i>Metabolites</i> , 2021, 11, 276.	1.3	18
11	Effects of Autologous Bone Marrow Mesenchymal Stem Cells and Platelet-Rich Plasma on Bone Regeneration and Osseointegration of a Hydroxyapatite-Coated Titanium Implant. <i>Coatings</i> , 2021, 11, 840.	1.2	1
12	Non-flavonoid polyphenols in osteoporosis: preclinical evidence. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 515-529.	3.1	22
13	Terpenoid treatment in osteoporosis: this is where we have come in research. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 846-861.	3.1	13
14	Titanium implant coating based on dopamine-functionalized sulphated hyaluronic acid: in vivo assessment of biocompatibility and antibacterial efficacy. <i>Materials Science and Engineering C</i> , 2021, 128, 112286.	3.8	5
15	Vegetable hierarchical structures as template for bone regeneration: New bio-ceramicization process for the development of a bone scaffold applied to an experimental sheep model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 600-611.	1.6	10
16	Improvement of osteogenic differentiation of human mesenchymal stem cells on composite poly l-lactic acid/nano-hydroxyapatite scaffolds for bone defect repair. <i>Journal of Bioscience and Bioengineering</i> , 2020, 129, 250-257.	1.1	22
17	Osteosarcoma cell-derived exosomes affect tumor microenvironment by specific packaging of microRNAs. <i>Carcinogenesis</i> , 2020, 41, 666-677.	1.3	79
18	Core decompression with bone chips allograft in combination with fibrin platelet-rich plasma and concentrated autologous mesenchymal stromal cells, isolated from bone marrow: results for the treatment of avascular necrosis of the femoral head after 2 years minimum follow-up. <i>HIP International</i> , 2020, 30, 3-12.	0.9	11

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19	Multiple Myeloma-Derived Extracellular Vesicles Induce Osteoclastogenesis through the Activation of the XBP1/IRE1 $\beta$ Axis. <i>Cancers</i> , 2020, 12, 2167.	1.7	27
20	Bone's Response to Mechanical Loading in Aging and Osteoporosis: Molecular Mechanisms. <i>Calcified Tissue International</i> , 2020, 107, 301-318.	1.5	29
21	Non-Coding RNAs in Multiple Myeloma Bone Disease Pathophysiology. <i>Non-coding RNA</i> , 2020, 6, 37.	1.3	10
22	Preclinical efficacy of a single intra-articular dose of hyaluronic acid-chitlac-corticosteroid in an in vivo model of osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2020, 28, S188-S189.	0.6	0
23	Bone regenerative medicine: metatarsus defects in sheep to evaluate new therapeutic strategies for human long bone defect. A systematic review. <i>Injury</i> , 2020, 51, 1457-1467.	0.7	6
24	A Rationale for the Use of Clotted Vertebral Bone Marrow to Aid Tissue Regeneration Following Spinal Surgery. <i>Scientific Reports</i> , 2020, 10, 4115.	1.6	7
25	Evaluation of a new collagen $\alpha$ 1-based medical device (ElastiCo $\alpha$ ) for the treatment of acute Achilles tendon injury and prevention of peritendinous adhesions: An in vitro biocompatibility and in vivo investigation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1113-1125.	1.3	8
26	Boosting the Intra-Articular Efficacy of Low Dose Corticosteroid through a Biopolymeric Matrix: An In Vivo Model of Osteoarthritis. <i>Cells</i> , 2020, 9, 1571.	1.8	13
27	Extracellular Vesicle microRNAs Contribute to the Osteogenic Inhibition of Mesenchymal Stem Cells in Multiple Myeloma. <i>Cancers</i> , 2020, 12, 449.	1.7	46
28	The Non-Coding RNA Landscape of Plasma Cell Dyscrasias. <i>Cancers</i> , 2020, 12, 320.	1.7	24
29	Histological, Histomorphometrical, and Biomechanical Studies of Bone-Implanted Medical Devices: Hard Resin Embedding. <i>BioMed Research International</i> , 2020, 2020, 1-13.	0.9	21
30	Impact of Natural Dietary Agents on Multiple Myeloma Prevention and Treatment: Molecular Insights and Potential for Clinical Translation. <i>Current Medicinal Chemistry</i> , 2020, 27, 187-215.	1.2	14
31	Focused Ultrasound Effects on Osteosarcoma Cell Lines. <i>BioMed Research International</i> , 2019, 2019, 1-14.	0.9	2
32	Current Trends in the Evaluation of Osteochondral Lesion Treatments: Histology, Histomorphometry, and Biomechanics in Preclinical Models. <i>BioMed Research International</i> , 2019, 2019, 1-27.	0.9	20
33	Deregulated miRNAs in osteoporosis: effects in bone metastasis. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3723-3744.	2.4	45
34	Regenerative Features of Adipose Tissue for Osteoarthritis Treatment in a Rabbit Model: Enzymatic Digestion Versus Mechanical Disruption. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2636.	1.8	31
35	Extracellular Vesicles as Biological Shuttles for Targeted Therapies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1848.	1.8	60
36	Adjuvant Biophysical Therapies in Osteosarcoma. <i>Cancers</i> , 2019, 11, 348.	1.7	45

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37	Effect of strontium substituted $\beta$ -TCP associated to mesenchymal stem cells from bone marrow and adipose tissue on spinal fusion in healthy and ovariectomized rat. <i>Journal of Cellular Physiology</i> , 2019, 234, 20046-20056.	2.0	22
38	miR-31-5p Is a LIPUS-Mechanosensitive MicroRNA that Targets HIF-1 $\alpha$ Signaling and Cytoskeletal Proteins. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1569.	1.8	20
39	Deregulated miRNAs in bone health: Epigenetic roles in osteoporosis. <i>Bone</i> , 2019, 122, 52-75.	1.4	80
40	Effects of intra-articular hyaluronic acid associated to Chitlac (artyduo $\text{\textcircled{R}}$ ) in a rat knee osteoarthritis model. <i>Journal of Orthopaedic Research</i> , 2019, 37, 867-876.	1.2	27
41	Long Non Coding RNA H19: A New Player in Hypoxia-Induced Multiple Myeloma Cell Dissemination. <i>International Journal of Molecular Sciences</i> , 2019, 20, 801.	1.8	21
42	What Is the Role of Interleukins in Breast Cancer Bone Metastases? A Systematic Review of Preclinical and Clinical Evidence. <i>Cancers</i> , 2019, 11, 2018.	1.7	14
43	MiR-33a Controls hMSCS Osteoblast Commitment Modulating the Yap/Taz Expression Through EGFR Signaling Regulation. <i>Cells</i> , 2019, 8, 1495.	1.8	13
44	Gathering Novel Circulating Exosomal microRNA in Osteosarcoma Cell Lines and Possible Implications for the Disease. <i>Cancers</i> , 2019, 11, 1924.	1.7	17
45	Bone marrow concentrate and expanded mesenchymal stromal cell surmatants as cell-free approaches for the treatment of osteochondral defects in a preclinical animal model. <i>International Orthopaedics</i> , 2019, 43, 25-34.	0.9	9
46	Antiresorptive properties of strontium substituted and alendronate functionalized hydroxyapatite nanocrystals in an ovariectomized rat spinal arthrodesis model. <i>Materials Science and Engineering C</i> , 2019, 95, 355-362.	3.8	18
47	Use of Antibiotic Loaded Biomaterials for the Management of Bone Prosthesis Infections: Rationale and Limits. <i>Current Medicinal Chemistry</i> , 2019, 26, 3150-3174.	1.2	2
48	Biological Rationale for the Use of Vertebral Whole Bone Marrow in Spinal Surgery. <i>Spine</i> , 2018, 43, 1401-1410.	1.0	6
49	The role of synovial fluid analysis in the detection of periprosthetic hip and knee infections: a systematic review and meta-analysis. <i>International Orthopaedics</i> , 2018, 42, 983-994.	0.9	17
50	Bone regeneration in a rabbit critical femoral defect by means of magnetic hydroxyapatite macroporous scaffolds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 546-554.	1.6	46
51	Osteogenic commitment and differentiation of human mesenchymal stem cells by low-intensity pulsed ultrasound stimulation. <i>Journal of Cellular Physiology</i> , 2018, 233, 1558-1573.	2.0	37
52	Gene therapy for chondral and osteochondral regeneration: is the future now?. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 649-667.	2.4	42
53	Osteoinductivity of nanostructured hydroxyapatite-functionalized gelatin modulated by human and endogenous mesenchymal stromal cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 914-923.	2.1	13
54	Composite Scaffolds with a Hydroxyapatite Spatial Gradient for Osteochondral Defect Repair. , 2018, ,		1

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55	Nonunion fracture healing: Evaluation of effectiveness of demineralized bone matrix and mesenchymal stem cells in a novel sheep bone nonunion model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1972-1985.	1.3	19
56	The phospholipase DDHD1 as a new target in colorectal cancer therapy. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 82.	3.5	8
57	Relevance of 3d culture systems to study osteosarcoma environment. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 2.	3.5	47
58	Inhibitory effects of low intensity pulsed ultrasound on osteoclastogenesis induced in vitro by breast cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 197.	3.5	17
59	Engineered exosomes: A new promise for the management of musculoskeletal diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1893-1901.	1.1	35
60	Effect of different postoperative flexion regimes on the outcomes of total knee arthroplasty: randomized controlled trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 2972-2977.	2.3	8
61	Subchondral bone response to injected adipose-derived stromal cells for treating osteoarthritis using an experimental rabbit model. <i>Biotechnic and Histochemistry</i> , 2017, 92, 201-211.	0.7	13
62	Uremic Serum Impairs Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stromal Cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 2201-2209.	2.0	12
63	Hypoxia-inducible factor 1 $\alpha$ may regulate the commitment of mesenchymal stromal cells toward angio-osteogenesis by mirna-675-5P. <i>Cytotherapy</i> , 2017, 19, 1412-1425.	0.3	41
64	Chondroprotective activity of N-acetyl phenylalanine glucosamine derivative on knee joint structure and inflammation in a murine model of osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 589-599.	0.6	24
65	A new bi-layered scaffold for osteochondral tissue regeneration: In vitro and in vivo preclinical investigations. <i>Materials Science and Engineering C</i> , 2017, 70, 101-111.	3.8	64
66	Osseointegration is improved by coating titanium implants with a nanostructured thin film with titanium carbide and titanium oxides clustered around graphitic carbon. <i>Materials Science and Engineering C</i> , 2017, 70, 264-271.	3.8	39
67	Interleukin 3- receptor targeted exosomes inhibit <i>in vitro</i> and <i>in vivo</i> Chronic Myelogenous Leukemia cell growth. <i>Theranostics</i> , 2017, 7, 1333-1345.	4.6	266
68	Effect of Low-Intensity Pulsed Ultrasound on Osteogenic Human Mesenchymal Stem Cells Commitment in a New Bone Scaffold. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017, 15, 215-222.	0.7	23
69	Circulating biomarkers in osteosarcoma: new translational tools for diagnosis and treatment. <i>Oncotarget</i> , 2017, 8, 100831-100851.	0.8	40
70	Biomaterials as bone graft substitutes for spine surgery: from preclinical results to clinical study. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2017, 31, 167-181.	0.7	4
71	MicroRNAs: Novel Crossroads between Myeloma Cells and the Bone Marrow Microenvironment. <i>BioMed Research International</i> , 2016, 2016, 1-12.	0.9	49
72	Fabrication and Pilot In Vivo Study of a Collagen-BDDGE-Elastin Core-Shell Scaffold for Tendon Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 52.	2.0	38

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73	Peripheral Blood Mononuclear Cells Spontaneous Osteoclastogenesis: Mechanisms Driving the Process and Clinical Relevance in Skeletal Disease. <i>Journal of Cellular Physiology</i> , 2016, 231, 521-530.	2.0	16
74	Vitamin D Level Between Calcium-Phosphorus Homeostasis and Immune System: New Perspective in Osteoporosis. <i>Current Osteoporosis Reports</i> , 2016, , 1.	1.5	33
75	PRP and HA for Hip Osteoarthritis: Response. <i>American Journal of Sports Medicine</i> , 2016, 44, NP44-NP46.	1.9	1
76	Autologous Bone Marrow Concentrate in a Sheep Model of Osteoarthritis: New Perspectives for Cartilage and Meniscus Repair. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 608-619.	1.1	46
77	Ultrasound-Guided Injection of Platelet-Rich Plasma and Hyaluronic Acid, Separately and in Combination, for Hip Osteoarthritis. <i>American Journal of Sports Medicine</i> , 2016, 44, 664-671.	1.9	155
78	Magnetic forces and magnetized biomaterials provide dynamic flux information during bone regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 51.	1.7	31
79	Needle-like ion-doped hydroxyapatite crystals influence osteogenic properties of PCL composite scaffolds. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 015018.	1.7	17
80	An <i>in vitro</i> 3D bone metastasis model by using a human bone tissue culture and human sex-related cancer cells. <i>Oncotarget</i> , 2016, 7, 76966-76983.	0.8	26
81	Estrogen-deficient osteoporosis enhances the recruitment and activity of osteoclasts by breast cancer cells. <i>Histology and Histopathology</i> , 2016, 31, 83-93.	0.5	8
82	Pulsed electromagnetic fields combined with a collagenous scaffold and bone marrow concentrate enhance osteochondral regeneration: an <i>in vivo</i> study. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 233.	0.8	29
83	Experimentally induced cartilage degeneration treated by pulsed electromagnetic field stimulation; an <i>in vitro</i> study on bovine cartilage. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 308.	0.8	23
84	Involvement of multiple myeloma cell-derived exosomes in osteoclast differentiation. <i>Oncotarget</i> , 2015, 6, 13772-13789.	0.8	147
85	Bioactivity and bone healing properties of biomimetic porous composite scaffold: <i>in vitro</i> and <i>in vivo</i> studies. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2932-2941.	2.1	27
86	Nanomechanical mapping of bone tissue regenerated by magnetic scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 5363.	1.7	17
87	Metabolic and cytoprotective effects of <i>in vivo</i> peri-patellar hyaluronic acid injections in cultured tenocytes. <i>Connective Tissue Research</i> , 2015, 56, 35-43.	1.1	16
88	Collagen type I coating stimulates bone regeneration and osteointegration of titanium implants in the osteopenic rat. <i>International Orthopaedics</i> , 2015, 39, 2041-2052.	0.9	52
89	Short and long-term effect of chondrocyte versus mesenchymal stem cells grown onto a hyaluronan-based scaffold in a rabbit osteoarthritis model. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A364.	0.6	0
90	The active role of osteoporosis in the interaction between osteoblasts and bone metastases. <i>Bone</i> , 2015, 79, 176-182.	1.4	18

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91	Surface chemistry and effects on bone regeneration of a novel biomimetic synthetic bone filler. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 159.	1.7	18
92	Osteointegration in Custom-made Porous Hydroxyapatite Cranial Implants: From Reconstructive Surgery to Regenerative Medicine. <i>World Neurosurgery</i> , 2015, 84, 591.e11-591.e16.	0.7	28
93	In vitro method for the screening and monitoring of estrogen-deficiency osteoporosis by targeting peripheral circulating monocytes. <i>Age</i> , 2015, 37, 9819.	3.0	7
94	Hyaluronic acid injections protect patellar tendon from detraining-associated damage. <i>Histology and Histopathology</i> , 2015, 30, 1079-88.	0.5	15
95	New Bio-ceramization process applied to vegetable hierarchical structures for bone regeneration: an experimental model in sheep.. <i>Tissue Engineering - Part A</i> , 2014, 20, 131007215556003.	1.6	23
96	In vivo effect of two different pulsed electromagnetic field frequencies on osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2014, 32, 677-685.	1.2	40
97	Development and evaluation of a decellularized membrane from human dermis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 325-336.	1.3	44
98	Efficacy of culture-expanded mesenchymal stromal cells versus concentrated bone marrow in an experimental osteoarthritis sheep model. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S18-S19.	0.6	0
99	Efficacy of antibacterial-loaded coating in an in vivo model of acutely highly contaminated implant. <i>International Orthopaedics</i> , 2014, 38, 1505-1512.	0.9	59
100	Long-term in vivo experimental investigations on magnesium doped hydroxyapatite bone substitutes. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 1495-1504.	1.7	25
101	Estrogen deficiency does not decrease the in vitro osteogenic potential of rat adipose-derived mesenchymal stem cells. <i>Age</i> , 2014, 36, 9647.	3.0	11
102	Hydroxyapatite-Based Biomaterials Versus Autologous Bone Graft in Spinal Fusion. <i>Spine</i> , 2014, 39, E661-E668.	1.0	18
103	Histological, histomorphometric and microtomographic analyses of retrieval hip resurfacing arthroplasty failed at different times. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 47.	0.8	4
104	In vitro study on silk fibroin textile structure for Anterior Cruciate Ligament regeneration. <i>Materials Science and Engineering C</i> , 2013, 33, 3601-3608.	3.8	40
105	Modifying bone scaffold architecture in vivo with permanent magnets to facilitate fixation of magnetic scaffolds. <i>Bone</i> , 2013, 56, 432-439.	1.4	58
106	Response of human chondrocytes and mesenchymal stromal cells to a decellularized human dermis. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 12.	0.8	11
107	Functional Tissue Engineering in Articular Cartilage Repair: Is There a Role for Electromagnetic Biophysical Stimulation?. <i>Tissue Engineering - Part B: Reviews</i> , 2013, 19, 353-367.	2.5	51
108	Clinical Use of Bone Marrow, Bone Marrow Concentrate, and Expanded Bone Marrow Mesenchymal Stem Cells in Cartilage Disease. <i>Stem Cells and Development</i> , 2013, 22, 181-192.	1.1	128

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109	MRMT-1 rat breast carcinoma cells and models of bone metastases: Improvement of an in vitro system to mimic the in vivo condition. <i>Acta Histochemica</i> , 2013, 115, 76-85.	0.9	6
110	Role of moderate exercising on Achilles tendon collagen crimping patterns and proteoglycans. <i>Connective Tissue Research</i> , 2013, 54, 267-274.	1.1	27
111	In Vitro Effects of a Chemically Modified Titanium Surface on Ethanol-Exposed Osteoblasts. <i>International Journal of Oral and Maxillofacial Implants</i> , 2013, 28, 1639-1647.	0.6	0
112	Magnetic Hydroxyapatite Bone Substitutes to Enhance Tissue Regeneration: Evaluation In Vitro Using Osteoblast-Like Cells and In Vivo in a Bone Defect. <i>PLoS ONE</i> , 2012, 7, e38710.	1.1	96
113	Early-Term Effect of Adult Chondrocyte Transplantation in an Osteoarthritis Animal Model. <i>Tissue Engineering - Part A</i> , 2012, 18, 1617-1627.	1.6	12
114	Long-Term Results following Cranial Hydroxyapatite Prosthesis Implantation in a Large Skull Defect Model. <i>Plastic and Reconstructive Surgery</i> , 2012, 129, 625e-635e.	0.7	42
115	Decellularized Human Dermis to Treat Massive Rotator Cuff Tears: In Vitro Evaluations. <i>Connective Tissue Research</i> , 2012, 53, 298-306.	1.1	22
116	Tissue Engineering for Total Meniscal Substitution: Animal Study in Sheep Model—Results at 12 Months. <i>Tissue Engineering - Part A</i> , 2012, 18, 1573-1582.	1.6	99
117	Intrinsically superparamagnetic Fe-hydroxyapatite nanoparticles positively influence osteoblast-like cell behaviour. <i>Journal of Nanobiotechnology</i> , 2012, 10, 32.	4.2	138
118	Innovative magnetic scaffolds for orthopedic tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2278-2286.	2.1	42
119	New PMMA-based composites for preparing spacer devices in prosthetic infections. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1247-1257.	1.7	18
120	Microbiological and pharmacological tests on new antibiotic-loaded PMMA-based composites for the treatment of osteomyelitis. <i>Journal of Orthopaedic Research</i> , 2012, 30, 348-355.	1.2	27
121	Lights and shadows concerning platelet products for musculoskeletal regeneration. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 96-107.	0.9	75
122	Total Hip Arthroplasty With Shortening Osteotomy in Congenital Major Hip Dislocation Sequelae. <i>Orthopedics</i> , 2011, 34, e328-33.	0.5	30
123	Harmful lifestyles on orthopedic implantation surgery: a descriptive review on alcohol and tobacco use. <i>Journal of Bone and Mineral Metabolism</i> , 2011, 29, 633-644.	1.3	47
124	In vivo preclinical evaluation of the influence of osteoporosis on the anchorage of different pedicle screw designs. <i>European Spine Journal</i> , 2011, 20, 1289-1296.	1.0	9
125	Mesenchymal stem cells and platelet lysate in fibrin or collagen scaffold promote non-cemented hip prosthesis integration. <i>Journal of Orthopaedic Research</i> , 2011, 29, 961-968.	1.2	27
126	Total Hip Arthroplasty after Excision Arthroplasty: Indications and Limits. <i>HIP International</i> , 2011, 21, 436-440.	0.9	18



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127	Orderly osteochondral regeneration in a sheep model using a novel nano-composite multilayered biomaterial. <i>Journal of Orthopaedic Research</i> , 2010, 28, 116-124.	1.2	177
128	Bone regeneration potential of a soybean-based filler: experimental study in a rabbit cancellous bone defects. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 615-626.	1.7	48
129	Platelet autologous growth factors decrease the osteochondral regeneration capability of a collagen-hydroxyapatite scaffold in a sheep model. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 220.	0.8	120
130	Comparative <i>in vivo</i> evaluation of porous and dense duplex titanium and hydroxyapatite coating with high roughnesses in different implantation environments. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 550-560.	2.1	42
131	<i>In vivo</i> preclinical efficacy of a PDLLA/PGA porous copolymer for dental application. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 88B, 349-357.	1.6	12
132	Inhomogeneity of rat vertebrae trabecular architecture by high-field 3D $^{14}$ magnetic resonance imaging and variable threshold image segmentation. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 825-833.	1.9	3
133	Covalently-linked hyaluronan promotes bone formation around Ti implants in a rabbit model. <i>Journal of Orthopaedic Research</i> , 2009, 27, 657-663.	1.2	35
134	Effects of pulsed electromagnetic stimulation on patients undergoing hip revision prostheses: A randomized prospective double-blind study. <i>Bioelectromagnetics</i> , 2009, 30, 423-430.	0.9	33
135	Influence of a zirconia sandblasting treated surface on peri-implant bone healing: An experimental study in sheep. <i>Acta Biomaterialia</i> , 2009, 5, 2246-2257.	4.1	64
136	Osteoarthritis Treated with Mesenchymal Stem Cells on Hyaluronan-Based Scaffold in Rabbit. <i>Tissue Engineering - Part C: Methods</i> , 2009, 15, 647-658.	1.1	127
137	The response of bone to nanocrystalline hydroxyapatite-coated Ti <sub>13</sub> Nb <sub>11</sub> Zr alloy in an animal model. <i>Biomaterials</i> , 2008, 29, 1730-1736.	5.7	83
138	New perspectives in rotator cuff tendon regeneration: review of tissue engineered therapies. <i>La Chirurgia Degli Organi Di Movimento</i> , 2008, 91, 87-92.	0.2	19
139	Cartilage repair with osteochondral autografts in sheep: Effect of biophysical stimulation with pulsed electromagnetic fields. <i>Journal of Orthopaedic Research</i> , 2008, 26, 631-642.	1.2	83
140	Preliminary investigations on a new gentamicin and vancomycin-coated PMMA nail for the treatment of bone and intramedullary infections: An experimental study in the rabbit. <i>Journal of Orthopaedic Research</i> , 2008, 26, 785-792.	1.2	41
141	A novel multiphase anodic spark deposition coating for the improvement of orthopedic implant osseointegration: An experimental study in cortical bone of sheep. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 85A, 1022-1031.	2.1	19
142	Chronic alcohol abuse and endosseous implants: Linkage of <i>in vitro</i> osteoblast dysfunction to titanium osseointegration rate. <i>Toxicology</i> , 2008, 243, 138-144.	2.0	14
143	Effect of pulsed electromagnetic field stimulation on knee cartilage, subchondral and epiphyseal trabecular bone of aged Dunkin Hartley guinea pigs. <i>Biomedicine and Pharmacotherapy</i> , 2008, 62, 709-715.	2.5	66
144	Influence of density, elasticity, and structure on ultrasound transmission through trabecular bone cylinders. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1465-1472.	1.7	16

#	ARTICLE	IF	CITATIONS
145	Effect of a multiphasic anodic spark deposition coating on the improvement of implant osseointegration in the osteopenic trabecular bone of sheep. <i>International Journal of Oral and Maxillofacial Implants</i> , 2008, 23, 659-68.	0.6	12
146	In vitro and in vivo performance of a novel surface treatment to enhance osseointegration of endosseous implants. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2007, 103, 745-756.	1.6	39
147	Influence of Different Implant Surfaces on Peri-Implant Osteogenesis: Histomorphometric Analysis in Sheep. <i>Journal of Periodontology</i> , 2007, 78, 879-888.	1.7	81
148	In Vitro and in vivo Behaviour of Biodegradable and Injectable PLA/PGA Copolymers Related to Different Matrices. <i>International Journal of Artificial Organs</i> , 2007, 30, 352-362.	0.7	16
149	Sandblasted Titanium Osteointegration in Young, Aged and Ovariectomized Sheep. <i>International Journal of Artificial Organs</i> , 2007, 30, 163-172.	0.7	20
150	In vitro study comparing two collagenous membranes in view of their clinical application for rotator cuff tendon regeneration. <i>Journal of Orthopaedic Research</i> , 2007, 25, 98-107.	1.2	47
151	Osteointegration of titanium and hydroxyapatite rough surfaces in healthy and compromised cortical and trabecular bone: in vivo comparative study on young, aged, and estrogen-deficient sheep. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1250-1260.	1.2	56
152	Destination of titanium particles detached from titanium plasma sprayed implants. <i>Micron</i> , 2007, 38, 618-625.	1.1	28
153	Crimp morphology in relaxed and stretched rat Achilles tendon. <i>Journal of Anatomy</i> , 2007, 210, 1-7.	0.9	167
154	Reconstruction with fascia lata allograft of the posterior vertebra elements after resection for aneurysmal bone cyst in a child. <i>European Spine Journal</i> , 2007, 16, 1531-1535.	1.0	7
155	Intermittent exposure to ethanol vapor affects osteoblast behaviour more severely than estrogen deficiency does. <i>Toxicology</i> , 2007, 237, 168-176.	2.0	18
156	In vitro and in vivo response to nanotopographically-modified surfaces of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and polycaprolactone. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 1405-1423.	1.9	34
157	Comparative study of different tendon grasping techniques for arthroscopic repair of the rotator cuff. <i>Clinical Biomechanics</i> , 2006, 21, 799-803.	0.5	40
158	Effects of systemic glucocorticoid administration on tenocytes. <i>Biomedicine and Pharmacotherapy</i> , 2006, 60, 380-385.	2.5	26
159	Bioabsorbable scaffold for <i>in situ</i> bone regeneration. <i>Biomedicine and Pharmacotherapy</i> , 2006, 60, 386-392.	2.5	12
160	Metastatic breast cancer: an updating. <i>Biomedicine and Pharmacotherapy</i> , 2006, 60, 548-556.	2.5	102
161	Resin-Based Dentin Restorative Materials under Accelerated Ageing: Bio-Functional Behavior. <i>International Journal of Artificial Organs</i> , 2006, 29, 1000-1011.	0.7	4
162	A New Chemical Etching Process to Improve Endosseous Implant Osseointegration: In Vitro Evaluation on Human Osteoblast-Like Cells. <i>International Journal of Artificial Organs</i> , 2006, 29, 772-780.	0.7	20

#	ARTICLE	IF	CITATIONS
163	Early Effects of Extracorporeal Shock Wave Treatment on Osteoblast-like Cells: A Comparative Study Between Electromagnetic and Electrohydraulic Devices. <i>Journal of Trauma</i> , 2006, 61, 1198-1206.	2.3	27
164	Chordoma of the Mobile Spine: Fifty Years of Experience. <i>Spine</i> , 2006, 31, 493-503.	1.0	358
165	Collagen I-coated titanium surfaces: Mesenchymal cell adhesion and in vivo evaluation in trabecular bone implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 449-458.	2.1	73
166	In vivo study on the healing of bone defects treated with bone marrow stromal cells, platelet-rich plasma, and freeze-dried bone allografts, alone and in combination. <i>Journal of Orthopaedic Research</i> , 2006, 24, 877-888.	1.2	153
167	Histomorphometric and mechanical analysis of the hydroxyapatite-bone interface after electromagnetic stimulation. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2006, 88-B, 123-128.	3.4	27
168	Stromal Stem Cells and Platelet-Rich Plasma Improve Bone Allograft Integration. <i>Clinical Orthopaedics and Related Research</i> , 2005, &NA,, 62-68.	0.7	113
169	Soft Tissue Response to a New Austenitic Stainless Steel with a Negligible Nickel Content. <i>International Journal of Artificial Organs</i> , 2005, 28, 1003-1011.	0.7	6
170	Cell Dynamics in the Correct Control of Bone Metabolism Using Natural Treatments. <i>International Journal of Artificial Organs</i> , 2005, 28, 1259-1271.	0.7	2
171	Peri-implant osteogenesis in health and osteoporosis. <i>Micron</i> , 2005, 36, 630-644.	1.1	244
172	Pulsed electromagnetic fields reduce knee osteoarthritic lesion progression in the aged Dunkin Hartley guinea pig. <i>Journal of Orthopaedic Research</i> , 2005, 23, 899-908.	1.2	84
173	Biological fixation of endosseous implants. <i>Micron</i> , 2005, 36, 665-671.	1.1	101
174	Blood vessel formation after soft-tissue implantation of hyaluronan-based hydrogel supplemented with copper ions. <i>Biomaterials</i> , 2005, 26, 3001-3008.	5.7	82
175	Comparative in vitro study on a ultra-high roughness and dense titanium coating. <i>Biomaterials</i> , 2005, 26, 4948-4955.	5.7	65
176	Transplantation of chondrocytes seeded on collagen-based scaffold in cartilage defects in rabbits. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 612-622.	2.1	55
177	Hyaluronic acid hydrogel added with ibuprofen-lysine for the local treatment of chondral lesions in the knee: In vitro and in vivo investigations. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 75B, 42-48.	1.6	15
178	Physical characterization of different-roughness titanium surfaces, with and without hydroxyapatite coating, and their effect on human osteoblast-like cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 75B, 359-368.	1.6	90
179	The healing of confined critical size cancellous defects in the presence of silk fibroin hydrogel. <i>Biomaterials</i> , 2005, 26, 3527-3536.	5.7	258
180	The in vivo behaviour of a sol-gel glass and a glass-ceramic during critical diaphyseal bone defects healing. <i>Biomaterials</i> , 2005, 26, 4374-4382.	5.7	46

#	ARTICLE	IF	CITATIONS
181	Physical and biological characterizations of a novel multiphase anodic spark deposition coating to enhance implant osseointegration. <i>Journal of Materials Science: Materials in Medicine</i> , 2005, 16, 1221-1229.	1.7	25
182	Prosthetic Devices Shaped as Tubular Chambers for the Treatment of Large Diaphyseal Defects by Guided Bone Regeneration. <i>International Journal of Artificial Organs</i> , 2005, 28, 51-57.	0.7	2
183	Shock Wave Therapy as an Innovative Technology in Skeletal Disorders: Study on Transmembrane Current in Stimulated Osteoblast-Like Cells. <i>International Journal of Artificial Organs</i> , 2005, 28, 841-847.	0.7	19
184	Effects of pulsed electromagnetic fields on articular hyaline cartilage: review of experimental and clinical studies. <i>Biomedicine and Pharmacotherapy</i> , 2005, 59, 388-394.	2.5	84
185	Tissue healing in implants immediately placed into postextraction sockets: A pilot study in a mini-pig model. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2005, 100, e43-e50.	1.6	25
186	Surface analysis and effects on interfacial bone microhardness of collagen-coated titanium implants: a rabbit model. <i>International Journal of Oral and Maxillofacial Implants</i> , 2005, 20, 23-30.	0.6	42
187	Natural and Synthetic Polyesters for Musculoskeletal Tissue Repair: Experimental <i>in Vitro</i> and <i>in Vivo</i> Evaluations. <i>International Journal of Artificial Organs</i> , 2004, 27, 796-805.	0.7	11
188	Poly(2-Hydroxyethyl Methacrylate) Biomimetic Coating to Improve Osseointegration of a PMMA/HA/Glass Composite Implant: In vivo Mechanical and Histomorphometric Assessments. <i>International Journal of Artificial Organs</i> , 2004, 27, 674-680.	0.7	12
189	Two <sup>1</sup> H-nuclear magnetic resonance methods to measure internal porosity of bone trabeculae: By solid-liquid signal separation and by longitudinal relaxation. <i>Journal of Applied Physics</i> , 2004, 95, 339-343.	1.1	30
190	Early detachment of titanium particles from various different surfaces of endosseous dental implants. <i>Biomaterials</i> , 2004, 25, 2239-2246.	5.7	97
191	Analysis of <sup>1</sup> H-NMR relaxation time distributions in L1 to L6 rat lumbar vertebrae. <i>Magnetic Resonance Imaging</i> , 2004, 22, 689-695.	1.0	3
192	A new austenitic stainless steel with a negligible amount of nickel: An in vitro study in view of its clinical application in osteoporotic bone. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 71B, 30-37.	3.0	22
193	Histomorphometric, ultrastructural and microhardness evaluation of the osseointegration of a nanostructured titanium oxide coating by metal-organic chemical vapour deposition: an in vivo study. <i>Biomaterials</i> , 2004, 25, 5583-5591.	5.7	74
194	Histomorphometric bone modifications induced by growth hormone treatment in a rabbit model of short bowel syndrome. <i>Biomedicine and Pharmacotherapy</i> , 2004, 58, 116-122.	2.5	10
195	New polymers for drug delivery systems in orthopaedics: in vivo biocompatibility evaluation. <i>Biomedicine and Pharmacotherapy</i> , 2004, 58, 411-417.	2.5	34
196	Adsorption of cationic antibacterial on collagen-coated titanium implant devices. <i>Biomedicine and Pharmacotherapy</i> , 2004, 58, 418-422.	2.5	19
197	Osteoporosis and biomaterial osteointegration. <i>Biomedicine and Pharmacotherapy</i> , 2004, 58, 487-493.	2.5	110
198	Different diagnostic techniques for the assessment of cortical bone on osteoporotic animals. <i>Biomedicine and Pharmacotherapy</i> , 2004, 58, 494-499.	2.5	7

#	ARTICLE	IF	CITATIONS
199	In vitro Models to Test Orthopedic Biomaterials in View of Their Clinical Application in Osteoporotic Bone. <i>International Journal of Artificial Organs</i> , 2004, 27, 658-663.	0.7	21
200	Current Trends in the Enhancement of Biomaterial Osteointegration: Biophysical Stimulation. <i>International Journal of Artificial Organs</i> , 2004, 27, 681-690.	0.7	20
201	Vascular endothelial growth factor (VEGF) and other common tissue prognostic indicators in breast cancer: A case-control study. <i>International Journal of Biological Markers</i> , 2004, 19, 275-281.	0.7	8
202	Effect of trabecular orientation on mechanical resistance and ultrasound propagation in specimens of equine vertebrae. <i>Ultrasound in Medicine and Biology</i> , 2003, 29, 1777-1785.	0.7	14
203	Detachment of titanium and fluorohydroxyapatite particles in unloaded endosseous implants. <i>Biomaterials</i> , 2003, 24, 1309-1316.	5.7	72
204	Mechanical and histomorphometric evaluations of titanium implants with different surface treatments inserted in sheep cortical bone. <i>Biomaterials</i> , 2003, 24, 1583-1594.	5.7	116
205	Biomechanical and histomorphometric investigations on two morphologically differing titanium surfaces with and without fluorohydroxyapatite coating: an experimental study in sheep tibiae. <i>Biomaterials</i> , 2003, 24, 3183-3192.	5.7	36
206	A new austenitic stainless steel with negligible nickel content: an in vitro and in vivo comparative investigation. <i>Biomaterials</i> , 2003, 24, 4929-4939.	5.7	110
207	Comparative interspecies investigation on osteoblast cultures: data on cell viability and synthetic activity. <i>Biomedicine and Pharmacotherapy</i> , 2003, 57, 57-62.	2.5	40
208	Human Osteopenic Bone-Derived Osteoblasts: Essential Amino Acids Treatment Effects. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2003, 31, 35-46.	0.9	28
209	Osteoblasts Cultured from Osteoporotic Bone: A Comparative Investigation on Human and Animal-Derived Cells. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2003, 31, 263-277.	0.9	13
210	Primary Osteoblasts Response to Shock Wave Therapy Using Different Parameters. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2003, 31, 449-466.	0.9	26
211	Effect of Extracorporeal Shock Wave Therapy on Osteoblastlike Cells. <i>Clinical Orthopaedics and Related Research</i> , 2003, 413, 269-280.	0.7	66
212	Tailoring Biomaterial Compatibility: In Vivo Tissue Response versus in Vitro Cell Behavior. <i>International Journal of Artificial Organs</i> , 2003, 26, 1077-1085.	0.7	122
213	In Vitro Behaviour of Osteoblasts Cultured on Orthopaedic Biomaterials with Different Surface Roughness, Uncoated and Fluorohydroxyapatite-Coated, Relative to the in Vivo Osteointegration Rate. <i>International Journal of Artificial Organs</i> , 2003, 26, 520-528.	0.7	51
214	In Vitro Biocompatibility of Titanium Oxide for Prosthetic Devices Nanostructured by Low Pressure Metal-Organic Chemical Vapor Deposition. <i>International Journal of Artificial Organs</i> , 2003, 26, 774-780.	0.7	37
215	HUMAN OSTEOBLAST CULTURES FROM OSTEOPOROTIC AND HEALTHY BONE: BIOCHEMICAL MARKERS AND CYTOKINE EXPRESSION IN BASAL CONDITIONS AND IN RESPONSE TO 1,25(OH)2D3. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2002, 30, 219-227.	0.9	24
216	Enhanced Guided Bone Regeneration with a Resorbable Chamber Containing Demineralized Bone Matrix. <i>Journal of Trauma</i> , 2002, 52, 933-937.	2.3	5

#	ARTICLE	IF	CITATIONS
217	Characterization of Bone Defect Repair in Young and Aged Rat Femur Induced by Xenogenic Demineralized Bone Matrix. <i>Journal of Periodontology</i> , 2002, 73, 1003-1009.	1.7	21
218	THE ROLE OF DIFFERENT CHEMICAL MODIFICATIONS OF SUPEROXIDE DISMUTASE IN PREVENTING A PROLONGED MUSCULAR ISCHEMIA/REPERFUSION INJURY. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2002, 30, 189-198.	0.9	7
219	Phalangeal ultrasonography in forearm fracture discrimination. <i>Biomedicine and Pharmacotherapy</i> , 2002, 56, 332-338.	2.5	7
220	Atherosclerosis and cancer: common pathways on the vascular endothelium. <i>Biomedicine and Pharmacotherapy</i> , 2002, 56, 317-324.	2.5	48
221	L-Arginine and L-Lysine stimulation on cultured human osteoblasts. <i>Biomedicine and Pharmacotherapy</i> , 2002, 56, 492-497.	2.5	48
222	Fabricated HyalS Micropatterns and Surface Guidance of NCTC 2544 Continuous Cell Line: An in Vitro Study. <i>International Journal of Artificial Organs</i> , 2002, 25, 892-898.	0.7	3
223	Osseointegration of Sandblasted or Anodised Hydrothermally-Treated Titanium Implants: Mechanical, Histomorphometric and Bone Hardness Measurements. <i>International Journal of Artificial Organs</i> , 2002, 25, 806-813.	0.7	15
224	Improvement in zirconia osseointegration by means of a biological glass coating: An in vitro and in vivo investigation. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 61, 282-289.	3.0	34
225	Proximal Femur Geometry To Detect and Distinguish Femoral Neck Fractures from Trochanteric Fractures in Postmenopausal Women. <i>Osteoporosis International</i> , 2002, 13, 69-73.	1.3	139
226	Laser Stimulation on Bone Defect Healing: An In Vitro Study. <i>Lasers in Medical Science</i> , 2002, 17, 216-220.	1.0	83
227	The effect of pulsed electromagnetic fields on the osteointegration of hydroxyapatite implants in cancellous bone: a morphologic and microstructural in vivo study. <i>Journal of Orthopaedic Research</i> , 2002, 20, 756-763.	1.2	68
228	Pedicular fixation in the osteoporotic spine: a pilot in vivo study on long-term ovariectomized sheep. <i>Journal of Orthopaedic Research</i> , 2002, 20, 1217-1224.	1.2	55
229	Osteointegration of hydroxyapatite-coated and uncoated titanium screws in long-term ovariectomized sheep. <i>Biomaterials</i> , 2002, 23, 1017-1023.	5.7	62
230	Osteogenesis of large segmental radius defects enhanced by basic fibroblast growth factor activated bone marrow stromal cells grown on non-woven hyaluronic acid-based polymer scaffold. <i>Biomaterials</i> , 2002, 23, 1043-1051.	5.7	83
231	Osteointegration of bioactive glass-coated zirconia in healthy bone: an in vivo evaluation. <i>Biomaterials</i> , 2002, 23, 3833-3841.	5.7	54
232	A bone substitute composed of polymethylmethacrylate and $\beta$ -tricalcium phosphate: results in terms of osteoblast function and bone tissue formation. <i>Biomaterials</i> , 2002, 23, 4523-4531.	5.7	97
233	In vitro response of primary rat osteoblasts to titania/hydroxyapatite coatings compared with transformed human osteoblast-like cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2002, 13, 797-801.	1.7	23
234	Titanium alloy osseointegration in cancellous and cortical bone of ovariectomized animals: histomorphometric and bone hardness measurements. <i>International Journal of Oral and Maxillofacial Implants</i> , 2002, 17, 28-37.	0.6	30

#	ARTICLE	IF	CITATIONS
235	The femoral distal epiphysis of ovariectomized rats as a site for studies on osteoporosis: structural and mechanical evaluations. <i>Clinical and Experimental Rheumatology</i> , 2002, 20, 171-8.	0.4	5
236	Laser biostimulation of cartilage: in vitro evaluation. <i>Biomedicine and Pharmacotherapy</i> , 2001, 55, 117-120.	2.5	45
237	Effect of L-lysine and L-arginine on primary osteoblast cultures from normal and osteopenic rats. <i>Biomedicine and Pharmacotherapy</i> , 2001, 55, 213-220.	2.5	82
238	Comparison of calcitonin, alendronate and fluorophosphate effects on ovariectomized rat bone. <i>Biomedicine and Pharmacotherapy</i> , 2001, 55, 397-403.	2.5	15
239	PERICELLULAR PARTIAL OXYGEN PRESSURE (pO <sub>2</sub> ) MEASUREMENT IN OSTEOPENIC BONE-DERIVED OSTEOBLAST CULTURES. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2001, 29, 213-223.	0.9	3
240	BONE TISSUE CULTURES: AN IN VITRO MODEL FOR THE EVALUATION OF BONE DEFECT HEALING AFTER L-ARGININE AND L-LYSINE ADMINISTRATION. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2001, 29, 325-334.	0.9	12
241	Histomorphometric Characterization of Cancellous and Cortical Bone in an Ovariectomized Sheep Model. <i>Journal of Applied Animal Research</i> , 2001, 20, 221-232.	0.4	9
242	Muscular Trauma Treatment with the Diode Laser: An Experimental <i>in vivo</i> Study in Rabbit. <i>Journal of Applied Animal Research</i> , 2001, 19, 137-144.	0.4	0
243	Haemodynamic and volumetric monitoring during haemorrhagic shock in swine. <i>Resuscitation</i> , 2001, 51, 69-76.	1.3	7
244	Proton magnetic relaxation in bone marrow related to age and bone mineral density: low-resolution in vitro studies. <i>Magnetic Resonance Imaging</i> , 2001, 19, 745-753.	1.0	6
245	Transplantation of chondrocytes seeded on a hyaluronan derivative (Hyaff <sup>®</sup> -11) into cartilage defects in rabbits. <i>Biomaterials</i> , 2001, 22, 2417-2424.	5.7	255
246	Biological glass coating on ceramic materials. <i>Biomaterials</i> , 2001, 22, 2535-2543.	5.7	66
247	Experimental Model of Hemorrhagic Shock in Swine. <i>Journal of Applied Animal Research</i> , 2001, 20, 107-116.	0.4	0
248	Calcitonin release system in the treatment of experimental osteoporosis. Histomorphometric evaluation. <i>Journal of Orthopaedic Research</i> , 2001, 19, 955-61.	1.2	3
249	Biocompatibility and osseointegration in osteoporotic bone. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2001, 83, 139-43.	3.4	46
250	The ovariectomized ewe model in the evaluation of biomaterials for prosthetic devices in spinal fixation. <i>International Journal of Artificial Organs</i> , 2001, 24, 814-20.	0.7	11
251	Isolation and characterization of osteoblast cultures from normal and osteopenic sheep for biomaterials evaluation. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 177-182.	3.0	21
252	The effect of osteopenia on the osteointegration of different biomaterials: histomorphometric study in rats. <i>Journal of Materials Science: Materials in Medicine</i> , 2000, 11, 579-585.	1.7	37

#	ARTICLE	IF	CITATIONS
253	Guided regeneration with resorbable conduits in experimental peripheral nerve injuries. <i>International Orthopaedics</i> , 2000, 24, 121-125.	0.9	60
254	Coupled plasma filtration-adsorption in a rabbit model of endotoxic shock. <i>Critical Care Medicine</i> , 2000, 28, 1526-1533.	0.4	358
255	Evaluation of Pain and Stress Levels of Animals Used in Experimental Research. <i>Journal of Surgical Research</i> , 2000, 88, 114-119.	0.8	33
256	Discriminant capacity of quantitative ultrasound versus dual X-Ray absorptiometry to determine cancellous bone loss in ovariectomized rats. <i>Bone</i> , 2000, 26, 297-303.	1.4	9
257	IN VITROEFFECTS OF PEMFs ON BONE CELL CULTURES OF NORMAL AND OSTEOPENIC RAT. <i>Electromagnetic Biology and Medicine</i> , 2000, 19, 359-365.	0.4	3
258	In Vitro Pathological Model of Osteopenia to Test Orthopaedic Biomaterials. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2000, 28, 181-192.	0.9	20
259	In vitro and in vivo behaviour of Ca- and P-enriched anodized titanium. <i>Biomaterials</i> , 1999, 20, 1587-1594.	5.7	173
260	Xenogenic demineralized bone matrix: osteoinduction and influence of associated skeletal defects in heterotopic bone formation in rats. <i>International Orthopaedics</i> , 1999, 23, 178-181.	0.9	18
261	The Mechanical Properties of Fluoride-Treated Bone in the Ovariectomized Rat. <i>Calcified Tissue International</i> , 1999, 65, 237-241.	1.5	6
262	Effects of essential amino acids and lactose on bony fractures and defects in rabbits: a preliminary histomorphometric study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 1999, 119, 39-45.	1.3	16
263	Measurement of insertion torque of tapered external fixation pins: A comparison between two experimental models. <i>Journal of Biomedical Materials Research Part B</i> , 1999, 48, 216-219.	3.0	5
264	Poly lactide Bioabsorbable Polymers for Guided Tissue Regeneration. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 47, 303-308.	1.1	26
265	Muscular Trauma Treated with a Ga-Al-As Diode Laser: In Vivo Experimental Study. <i>Lasers in Medical Science</i> , 1998, 13, 293-298.	1.0	31
266	In Vitro Osteoinduction of Demineralized Bone. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1998, 26, 309-315.	0.9	12
267	In Vitro Evaluation of the Effects of Electromagnetic Fields used for Bone Healing. <i>Electromagnetic Biology and Medicine</i> , 1998, 17, 335-342.	0.4	8
268	Laser Doppler Evaluation of Microcirculation Behaviour during an Ischaemia-Reperfusion Injury. <i>European Surgical Research</i> , 1998, 30, 108-114.	0.6	5
269	Experimental evaluation of a resorbable intramedullary plug for cemented total hip replacement. <i>Biomaterials</i> , 1997, 18, 907-913.	5.7	7
270	Pericellular pO <sub>2</sub> as an Alternative Method to Test Cytotoxicity. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1996, 24, 579-586.	0.9	1



#	ARTICLE	IF	CITATIONS
271	In Vitro Evaluation of Heparin Adsorption During Haemoperfusion with Dowex 1Å—2 Anion Exchange Resin. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 1995, 23, 101-108.	0.9	0
272	Comparison of Hemodialysis versus Hemoperfusion in the Clearance of High-Dose Methotrexate in Pigs. <i>Artificial Organs</i> , 1995, 19, 362-365.	1.0	6
273	Stimulatory effect on bone formation exerted by a modified chitosan. <i>Biomaterials</i> , 1994, 15, 1075-1081.	5.7	259
274	In Vitro and Ex Vivo Evaluation of Methotrexate Removal by Different Sorbents Haemoperfusion. <i>Biomaterials, Artificial Cells, and Immobilization Biotechnology: Official Journal of the International Society for Artificial Cells and Immobilization Biotechnology</i> , 1993, 21, 447-454.	0.2	4
275	In vitro investigation of the effect of Magnetic Resonance guided Focused Ultrasound Surgery on osteosarcoma cell lines. <i>Bone Abstracts</i> , 0, , .	0.0	0
276	Contribution of multiple myeloma-derived exosomes to bone disease. <i>Bone Abstracts</i> , 0, , .	0.0	0