

Gianluca Giavaresi

List of Publications by Year in descending order

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Version: 2024-02-01

276
papers

11,374
citations

26630

56
h-index

45317

90
g-index

281
all docs

281
docs citations

281
times ranked

12945
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.	4.2	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.	4.1	4
3	Multiple Effects of Resveratrol on Osteosarcoma Cell Lines. <i>Pharmaceuticals</i> , 2022, 15, 342.	3.8	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.	3.3	8
5	Flavonoids in Bone Erosive Diseases: Perspectives in Osteoporosis Treatment. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 76-94.	7.1	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.	3.1	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.	3.3	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.	4.1	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.	2.7	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.	2.9	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.	2.6	1
12	Non-flavonoid polyphenols in osteoporosis: preclinical evidence. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 515-529.	7.1	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.	7.1	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.	7.3	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.	3.4	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.	2.2	22
17	Osteosarcoma cell-derived exosomes affect tumor microenvironment by specific packaging of microRNAs. <i>Carcinogenesis</i> , 2020, 41, 666-677.	2.8	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.	1.7	11

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19	Multiple Myeloma-Derived Extracellular Vesicles Induce Osteoclastogenesis through the Activation of the XBP1/IRE1 β Axis. <i>Cancers</i> , 2020, 12, 2167.	3.7	27
20	Bone's Response to Mechanical Loading in Aging and Osteoporosis: Molecular Mechanisms. <i>Calcified Tissue International</i> , 2020, 107, 301-318.	3.1	29
21	Non-Coding RNAs in Multiple Myeloma Bone Disease Pathophysiology. <i>Non-coding RNA</i> , 2020, 6, 37.	2.6	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.	1.3	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.	1.7	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.	3.3	7
25	Evaluation of a new collagen α 1-based medical device (ElastiCo α ®) 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.	2.7	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.	4.1	13
27	Extracellular Vesicle microRNAs Contribute to the Osteogenic Inhibition of Mesenchymal Stem Cells in Multiple Myeloma. <i>Cancers</i> , 2020, 12, 449.	3.7	46
28	The Non-Coding RNA Landscape of Plasma Cell Dyscrasias. <i>Cancers</i> , 2020, 12, 320.	3.7	24
29	Histological, Histomorphometrical, and Biomechanical Studies of Bone-Implanted Medical Devices: Hard Resin Embedding. <i>BioMed Research International</i> , 2020, 2020, 1-13.	1.9	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.	2.4	14
31	Focused Ultrasound Effects on Osteosarcoma Cell Lines. <i>BioMed Research International</i> , 2019, 2019, 1-14.	1.9	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.	1.9	20
33	Deregulated miRNAs in osteoporosis: effects in bone metastasis. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3723-3744.	5.4	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.	4.1	31
35	Extracellular Vesicles as Biological Shuttles for Targeted Therapies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1848.	4.1	60
36	Adjuvant Biophysical Therapies in Osteosarcoma. <i>Cancers</i> , 2019, 11, 348.	3.7	45

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37	Effect of strontium substituted β -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.	4.1	22
38	miR-31-5p Is a LIPUS-Mechanosensitive MicroRNA that Targets HIF-1 α Signaling and Cytoskeletal Proteins. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1569.	4.1	20
39	Deregulated miRNAs in bone health: Epigenetic roles in osteoporosis. <i>Bone</i> , 2019, 122, 52-75.	2.9	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.	2.3	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.	4.1	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.	3.7	14
43	MiR-33a Controls hMSCS Osteoblast Commitment Modulating the Yap/Taz Expression Through EGFR Signaling Regulation. <i>Cells</i> , 2019, 8, 1495.	4.1	13
44	Gathering Novel Circulating Exosomal microRNA in Osteosarcoma Cell Lines and Possible Implications for the Disease. <i>Cancers</i> , 2019, 11, 1924.	3.7	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.	1.9	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.	7.3	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.	2.4	2
48	Biological Rationale for the Use of Vertebral Whole Bone Marrow in Spinal Surgery. <i>Spine</i> , 2018, 43, 1401-1410.	2.0	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.	1.9	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.	3.4	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.	4.1	37
52	Gene therapy for chondral and osteochondral regeneration: is the future now?. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 649-667.	5.4	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.	4.0	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.	2.7	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.	8.6	8
57	Relevance of 3d culture systems to study osteosarcoma environment. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 2.	8.6	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.	8.6	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.	2.4	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.	4.2	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.	1.3	13
62	Uremic Serum Impairs Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stromal Cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 2201-2209.	4.1	12
63	Hypoxia-inducible factor 1 β may regulate the commitment of mesenchymal stromal cells toward angio-osteogenesis by mirna-675-5P. <i>Cytotherapy</i> , 2017, 19, 1412-1425.	0.7	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.	1.3	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.	7.3	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.	7.3	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.	10.0	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.	1.6	23
69	Circulating biomarkers in osteosarcoma: new translational tools for diagnosis and treatment. <i>Oncotarget</i> , 2017, 8, 100831-100851.	1.8	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.	1.9	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.	4.1	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.	4.1	16
74	Vitamin D Level Between Calcium-Phosphorus Homeostasis and Immune System: New Perspective in Osteoporosis. <i>Current Osteoporosis Reports</i> , 2016, , 1.	3.6	33
75	PRP and HA for Hip Osteoarthritis: Response. <i>American Journal of Sports Medicine</i> , 2016, 44, NP44-NP46.	4.2	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.	2.1	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.	4.2	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.	3.6	31
79	Needle-like ion-doped hydroxyapatite crystals influence osteogenic properties of PCL composite scaffolds. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 015018.	3.3	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.	1.8	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.	0.7	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.	1.9	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.	1.9	23
84	Involvement of multiple myeloma cell-derived exosomes in osteoclast differentiation. <i>Oncotarget</i> , 2015, 6, 13772-13789.	1.8	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.	4.0	27
86	Nanomechanical mapping of bone tissue regenerated by magnetic scaffolds. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 5363.	3.6	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.	2.3	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.	1.9	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.	1.3	0
90	The active role of osteoporosis in the interaction between osteoblasts and bone metastases. <i>Bone</i> , 2015, 79, 176-182.	2.9	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.	3.6	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.	1.3	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.	0.7	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.	3.1	23
96	In vivo effect of two different pulsed electromagnetic field frequencies on osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2014, 32, 677-685.	2.3	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.	2.7	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.	1.3	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.	1.9	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.	3.6	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.	2.0	18
103	Histological, histomorphometric and microtomographic analyses of retrieval hip resurfacing arthroplasty failed at different times. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 47.	1.9	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.	7.3	40
105	Modifying bone scaffold architecture in vivo with permanent magnets to facilitate fixation of magnetic scaffolds. <i>Bone</i> , 2013, 56, 432-439.	2.9	58
106	Response of human chondrocytes and mesenchymal stromal cells to a decellularized human dermis. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 12.	1.9	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.	4.8	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.	2.1	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.	1.8	6
110	Role of moderate exercising on Achilles tendon collagen crimping patterns and proteoglycans. <i>Connective Tissue Research</i> , 2013, 54, 267-274.	2.3	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.	1.4	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.	2.5	96
113	Early-Term Effect of Adult Chondrocyte Transplantation in an Osteoarthritis Animal Model. <i>Tissue Engineering - Part A</i> , 2012, 18, 1617-1627.	3.1	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.	1.4	42
115	Decellularized Human Dermis to Treat Massive Rotator Cuff Tears: In Vitro Evaluations. <i>Connective Tissue Research</i> , 2012, 53, 298-306.	2.3	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.	3.1	99
117	Intrinsically superparamagnetic Fe-hydroxyapatite nanoparticles positively influence osteoblast-like cell behaviour. <i>Journal of Nanobiotechnology</i> , 2012, 10, 32.	9.1	138
118	Innovative magnetic scaffolds for orthopedic tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 2278-2286.	4.0	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.	3.6	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.	2.3	27
121	Lights and shadows concerning platelet products for musculoskeletal regeneration. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 96-107.	1.8	75
122	Total Hip Arthroplasty With Shortening Osteotomy in Congenital Major Hip Dislocation Sequelae. <i>Orthopedics</i> , 2011, 34, e328-33.	1.1	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.	2.7	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.	2.2	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.	2.3	27
126	Total Hip Arthroplasty after Excision Arthroplasty: Indications and Limits. <i>HIP International</i> , 2011, 21, 436-440.	1.7	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.	2.3	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.	3.6	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.	1.9	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.	4.0	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.	3.4	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.	3.4	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.	2.3	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.	1.6	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.	8.3	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.	2.1	127
137	The response of bone to nanocrystalline hydroxyapatite-coated Ti ₁₃ Nb ₁₁ Zr alloy in an animal model. <i>Biomaterials</i> , 2008, 29, 1730-1736.	11.4	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.	2.3	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.	2.3	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.	4.0	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.	4.2	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.	5.6	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.	3.0	16

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