List of Publications by Year in descending order

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MILENA FINI

#	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. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 773-781.	4.2	20
2	Potential Anti-Metastatic Role of the Novel miR-CT3 in Tumor Angiogenesis and Osteosarcoma Invasion. International Journal of Molecular Sciences, 2022, 23, 705.	4.1	4
3	Multiple Effects of Resveratrol on Osteosarcoma Cell Lines. Pharmaceuticals, 2022, 15, 342.	3.8	16
4	In Vivo Model of Osteoarthritis to Compare Allogenic Amniotic Epithelial Stem Cells and Autologous Adipose Derived Cells. Biology, 2022, 11, 681.	2.8	3
5	Monetite vs. Brushite: Different Influences on Bone Cell Response Modulated by Strontium Functionalization. Journal of Functional Biomaterials, 2022, 13, 65.	4.4	10
6	Antiosteoporotic Nanohydroxyapatite Zoledronate Scaffold Seeded with Bone Marrow Mesenchymal Stromal Cells for Bone Regeneration: A 3D In Vitro Model. International Journal of Molecular Sciences, 2022, 23, 5988.	4.1	1
7	Naturally Occurring Osteoarthritis Features and Treatments: Systematic Review on the Aged Guinea Pig Model. International Journal of Molecular Sciences, 2022, 23, 7309.	4.1	7
8	Evaluation of cartilage biomechanics and knee joint microenvironment after different cell-based treatments in a sheep model of early osteoarthritis. International Orthopaedics, 2021, 45, 427-435.	1.9	16
9	Assessment of the in vivo biofunctionality of a biomimetic hybrid scaffold for osteochondral tissue regeneration. Biotechnology and Bioengineering, 2021, 118, 465-480.	3.3	8
10	Development and characterization of a novel human 3D model of bone metastasis from breast carcinoma in vitro cultured. Bone, 2021, 143, 115773.	2.9	3
11	Flavonoids in Bone Erosive Diseases: Perspectives in Osteoporosis Treatment. Trends in Endocrinology and Metabolism, 2021, 32, 76-94.	7.1	42
12	Osseointegration of additive manufacturing Ti–6Al–4V and Co–Cr–Mo alloys, with and without surface functionalization with hydroxyapatite and type I collagen. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104262.	3.1	20
13	Prospects on the Potential In Vitro Regenerative Features of Mechanically Treated-Adipose Tissue for Osteoarthritis Care. Stem Cell Reviews and Reports, 2021, 17, 1362-1373.	3.8	2
14	An alternative ex vivo method to evaluate the osseointegration of Ti–6Al–4V alloy also combined with collagen. Biomedical Materials (Bristol), 2021, 16, 025007.	3.3	4
15	Nano-Based Biomaterials as Drug Delivery Systems Against Osteoporosis: A Systematic Review of Preclinical and Clinical Evidence. Nanomaterials, 2021, 11, 530.	4.1	33
16	How miR-31-5p and miR-33a-5p Regulates SP1/CX43 Expression in Osteoarthritis Disease: Preliminary Insights. International Journal of Molecular Sciences, 2021, 22, 2471.	4.1	6
17	Autologous Protein Solution Effect on Chondrogenic Differentiation of Mesenchymal Stem Cells from Adipose Tissue and Bone Marrow in an Osteoarthritic Environment. Cartilage, 2021, 13, 225S-237S.	2.7	7
18	Stromal Vascular Fraction and Amniotic Epithelial Cells: Preclinical and Clinical Relevance in Musculoskeletal Regenerative Medicine. Stem Cells International, 2021, 2021, 1-22.	2.5	1

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19	Nanostructure and biomimetics orchestrate mesenchymal stromal cell differentiation: An in vitro bioactivity study on new coatings for orthopedic applications. Materials Science and Engineering C, 2021, 123, 112031.	7.3	11
20	Strontium substituted hydroxyapatite with β-lactam integrin agonists to enhance mesenchymal cells adhesion and to promote bone regeneration. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111580.	5.0	10
21	Composite Scaffolds for Bone Tissue Regeneration Based on PCL and Mg-Containing Bioactive Glasses. Biology, 2021, 10, 398.	2.8	30
22	Mechanical and in vitro biological properties of uniform and graded Cobaltâ€chrome lattice structures in orthopedic implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 2091-2103.	3.4	18
23	Gender and Sex Are Key Determinants in Osteoarthritis Not Only Confounding Variables. A Systematic Review of Clinical Data. Journal of Clinical Medicine, 2021, 10, 3178.	2.4	69
24	Effects of Autologous Bone Marrow Mesenchymal Stem Cells and Platelet-Rich Plasma on Bone Regeneration and Osseointegration of a Hydroxyapatite-Coated Titanium Implant. Coatings, 2021, 11, 840.	2.6	1
25	Non-flavonoid polyphenols in osteoporosis: preclinical evidence. Trends in Endocrinology and Metabolism, 2021, 32, 515-529.	7.1	22
26	Terpenoid treatment in osteoporosis: this is where we have come in research. Trends in Endocrinology and Metabolism, 2021, 32, 846-861.	7.1	13
27	Vitamin D and Platelets: A Menacing Duo in COVID-19 and Potential Relation to Bone Remodeling. International Journal of Molecular Sciences, 2021, 22, 10010.	4.1	13
28	Randomised, double-blind comparison of a fixed co-formulation of intra-articular polynucleotides and hyaluronic acid versus hyaluronic acid alone in the treatment of knee osteoarthritis: two-year follow-up. BMC Musculoskeletal Disorders, 2021, 22, 773.	1.9	15
29	Blood factors as biomarkers in osteoporosis: points from the COVID-19 era. Trends in Endocrinology and Metabolism, 2021, 32, 672-679.	7.1	8
30	Bone Regeneration in Load-Bearing Segmental Defects, Guided by Biomorphic, Hierarchically Structured Apatitic Scaffold. Frontiers in Bioengineering and Biotechnology, 2021, 9, 734486.	4.1	19
31	Titanium implant coating based on dopamine-functionalized sulphated hyaluronic acid: in vivo assessment of biocompatibility and antibacterial efficacy. Materials Science and Engineering C, 2021, 128, 112286.	7.3	5
32	The Impact of Frailty on Spine Surgery: Systematic Review on 10 years Clinical Studies. , 2021, 12, 625.		47
33	Two Hits for Bone Regeneration in Aged Patients: Vertebral Bone Marrow Clot as a Biological Scaffold and Powerful Source of Mesenchymal Stem Cells. Frontiers in Bioengineering and Biotechnology, 2021, 9, 807679.	4.1	5
34	Efficacy of Intra-Articular Polynucleotides Associated With Hyaluronic Acid Versus Hyaluronic Acid Alone in the Treatment of Knee Osteoarthritis: A Randomized, Double-Blind, Controlled Clinical Trial. Clinical Journal of Sport Medicine, 2020, 30, 1-7.	1.8	24
35	Vegetable hierarchical structures as template for bone regeneration: New bioâ€ceramization process for the development of a bone scaffold applied to an experimental sheep model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 600-611.	3.4	10
36	Osteosarcoma cell-derived exosomes affect tumor microenvironment by specific packaging of microRNAs. Carcinogenesis, 2020, 41, 666-677.	2.8	79

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37	A radiopaque calcium phosphate bone cement with long-lasting antibacterial effect: From paste to injectable formulation. Ceramics International, 2020, 46, 10048-10057.	4.8	12
38	Targeting Wnt∫î²â€€atenin and PI3K/Akt/mTOR pathways in T ell acute lymphoblastic leukemia. Journal of Cellular Physiology, 2020, 235, 5413-5428.	4.1	40
39	Spinal Fusion Surgery and Local Antibiotic Administration. Spine, 2020, 45, 339-348.	2.0	10
40	The clinical strategies for tendon repair with biomaterials: A review on rotator cuff and Achilles tendons. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1826-1843.	3.4	12
41	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. HIP International. 2020. 30. 3-12.	1.7	11
42	Multiple Myeloma-Derived Extracellular Vesicles Induce Osteoclastogenesis through the Activation of the XBP1/IRE11± Axis. Cancers, 2020, 12, 2167.	3.7	27
43	Bone's Response to Mechanical Loading in Aging and Osteoporosis: Molecular Mechanisms. Calcified Tissue International, 2020, 107, 301-318.	3.1	29
44	Body Localization of ACE-2: On the Trail of the Keyhole of SARS-CoV-2. Frontiers in Medicine, 2020, 7, 594495.	2.6	182
45	Overt and non-overt disseminated intravascular coagulation and the potential role of heparin in the COVID-19 pandemic outbreak. Therapeutic Advances in Hematology, 2020, 11, 204062072095165.	2.5	0
46	Platelet functions and activities as potential hematologic parameters related to Coronavirus Disease 2019 (Covid-19). Platelets, 2020, 31, 627-632.	2.3	67
47	Bone regenerative medicine: metatarsus defects in sheep to evaluate new therapeutic strategies for human long bone defect. A systematic review. Injury, 2020, 51, 1457-1467.	1.7	6
48	Spinal fusion procedures in the adult and young population: a systematic review on allogenic bone and synthetic grafts when compared to autologous bone. Journal of Materials Science: Materials in Medicine, 2020, 31, 51.	3.6	17
49	Vascular Supply and Bone Marrow Concentrate for the Improvement of Allograft in Bone Defects: A Comparative InÂVivo Study. Journal of Surgical Research, 2020, 252, 1-8.	1.6	3
50	Sex Specific Determinants in Osteoarthritis: A Systematic Review of Preclinical Studies. International Journal of Molecular Sciences, 2020, 21, 3696.	4.1	37
51	Platinum nanoparticles supported on functionalized hydroxyapatite: Anti-oxidant properties and bone cells response. Ceramics International, 2020, 46, 19574-19582.	4.8	3
52	Platelet Features and Derivatives in Osteoporosis: A Rational and Systematic Review on the Best Evidence. International Journal of Molecular Sciences, 2020, 21, 1762.	4.1	13
53	Evidence from systematic reviews on photobiomodulation of human bone and stromal cells: Where do we stand?. Archives of Biochemistry and Biophysics, 2020, 685, 108333.	3.0	2
54	A Rationale for the Use of Clotted Vertebral Bone Marrow to Aid Tissue Regeneration Following Spinal Surgery. Scientific Reports, 2020, 10, 4115.	3.3	7

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55	Evaluation of a new collagenâ€based medical device (ElastiCo®) for the treatment of acute Achilles tendon injury and prevention of peritendinous adhesions: An in vitro biocompatibility and in vivo investigation. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1113-1125.	2.7	8
56	A 3D-Printed Ultra-Low Young's Modulus β-Ti Alloy for Biomedical Applications. Materials, 2020, 13, 2792.	2.9	24
57	Boosting the Intra-Articular Efficacy of Low Dose Corticosteroid through a Biopolymeric Matrix: An In Vivo Model of Osteoarthritis. Cells, 2020, 9, 1571.	4.1	13
58	Meniscectomy-induced osteoarthritis in the sheep model for the investigation of therapeutic strategies: a systematic review. International Orthopaedics, 2020, 44, 779-793.	1.9	11
59	Histological, Histomorphometrical, and Biomechanical Studies of Bone-Implanted Medical Devices: Hard Resin Embedding. BioMed Research International, 2020, 2020, 1-13.	1.9	21
60	Relevance of humanized three-dimensional tumor tissue models: a descriptive systematic literature review. Cellular and Molecular Life Sciences, 2020, 77, 3913-3944.	5.4	6
61	In vivo studies on osteoinduction: A systematic review on animal models, implant site, and type and postimplantation investigation. Journal of Biomedical Materials Research - Part A, 2020, 108, 1834-1866.	4.0	7
62	Demineralized bone matrix paste formulated with biomimetic PLGA microcarriers for the vancomycin hydrochloride controlled delivery: Release profile, citotoxicity and efficacy against S. aureus. International Journal of Pharmaceutics, 2020, 582, 119322.	5.2	15
63	Role and translational implication of galectins in arthritis pathophysiology and treatment: A systematic literature review. Journal of Cellular Physiology, 2019, 234, 1588-1605.	4.1	12
64	Focused Ultrasound Effects on Osteosarcoma Cell Lines. BioMed Research International, 2019, 2019, 1-14.	1.9	2
65	Nano-mechanical investigation of engineered bone tissue and of the osteochondral interface. Materials Today: Proceedings, 2019, 7, 516-521.	1.8	1
66	The N-Acetyl Phenylalanine Glucosamine Derivative Attenuates the Inflammatory/Catabolic Environment in a Chondrocyte-Synoviocyte Co-Culture System. Scientific Reports, 2019, 9, 13603.	3.3	12
67	CoCr porous scaffolds manufactured via selective laser melting in orthopedics: Topographical, mechanical, and biological characterization. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2343-2353.	3.4	35
68	Heterogeneous chemistry in the 3-D state: an original approach to generate bioactive, mechanically-competent bone scaffolds. Biomaterials Science, 2019, 7, 307-321.	5.4	29
69	Deregulated miRNAs in osteoporosis: effects in bone metastasis. Cellular and Molecular Life Sciences, 2019, 76, 3723-3744.	5.4	45
70	Regenerative Features of Adipose Tissue for Osteoarthritis Treatment in a Rabbit Model: Enzymatic Digestion Versus Mechanical Disruption. International Journal of Molecular Sciences, 2019, 20, 2636.	4.1	31
71	Multifunctionalization Modulates Hydroxyapatite Surface Interaction with Bisphosphonate: Antiosteoporotic and Antioxidative Stress Materials. ACS Biomaterials Science and Engineering, 2019, 5, 3429-3439.	5.2	14
72	Biosensors for realâ€ŧime monitoring of physiological processes in the musculoskeletal system: A systematic review. Journal of Cellular Physiology, 2019, 234, 21504-21518.	4.1	4

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73	A Composite Chitosan-Reinforced Scaffold Fails to Provide Osteochondral Regeneration. International Journal of Molecular Sciences, 2019, 20, 2227.	4.1	19
74	Functionalization of Ceramic Coatings for Enhancing Integration in Osteoporotic Bone: A Systematic Review. Coatings, 2019, 9, 312.	2.6	8
75	Nanoindentation: An advanced procedure to investigate osteochondral engineered tissues. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 96, 79-87.	3.1	12
76	Adjuvant Biophysical Therapies in Osteosarcoma. Cancers, 2019, 11, 348.	3.7	45
77	Effect of strontium substituted ßâ€TCP associated to mesenchymal stem cells from bone marrow and adipose tissue on spinal fusion in healthy and ovariectomized rat. Journal of Cellular Physiology, 2019, 234, 20046-20056.	4.1	22
78	miR-31-5p Is a LIPUS-Mechanosensitive MicroRNA that Targets HIF-1α Signaling and Cytoskeletal Proteins. International Journal of Molecular Sciences, 2019, 20, 1569.	4.1	20
79	Deregulated miRNAs in bone health: Epigenetic roles in osteoporosis. Bone, 2019, 122, 52-75.	2.9	80
80	Effects of intraâ€articular hyaluronic acid associated to Chitlac (artyâ€duo®) in a rat knee osteoarthritis model. Journal of Orthopaedic Research, 2019, 37, 867-876.	2.3	27
81	Combined ascorbic acid and T3 produce better healing compared to bone marrow mesenchymal stem cells in an Achilles tendon injury rat model: a proof of concept study. Journal of Orthopaedic Surgery and Research, 2019, 14, 54.	2.3	26
82	What Is the Role of Interleukins in Breast Cancer Bone Metastases? A Systematic Review of Preclinical and Clinical Evidence. Cancers, 2019, 11, 2018.	3.7	14
83	MiR-33a Controls hMSCS Osteoblast Commitment Modulating the Yap/Taz Expression Through EGFR Signaling Regulation. Cells, 2019, 8, 1495.	4.1	13
84	Auto-Allo Graft Parallel Juxtaposition for Improved Neuroregeneration in Peripheral Nerve Reconstruction Based on Acellular Nerve Allografts. Annals of Plastic Surgery, 2019, 83, 318-325.	0.9	7
85	Modulation of Alendronate release from a calcium phosphate bone cement: An in vitro osteoblast-osteoclast co-culture study. International Journal of Pharmaceutics, 2019, 554, 245-255.	5.2	28
86	Osteochondral tissue cultures: Between limits and sparks, the next step for advanced in vitro models. Journal of Cellular Physiology, 2019, 234, 5420-5435.	4.1	8
87	Bone marrow concentrate and expanded mesenchymal stromal cell surnatants as cell-free approaches for the treatment of osteochondral defects in a preclinical animal model. International Orthopaedics, 2019, 43, 25-34.	1.9	9
88	Antiresorptive properties of strontium substituted and alendronate functionalized hydroxyapatite nanocrystals in an ovariectomized rat spinal arthrodesis model. Materials Science and Engineering C, 2019, 95, 355-362.	7.3	18
89	Corrosion and biocompatibility examination of multi-element modified calcium phosphate bioceramic layers. Materials Science and Engineering C, 2019, 95, 381-388.	7.3	17
90	Use of Antibiotic Loaded Biomaterials for the Management of Bone Prosthesis Infections: Rationale and Limits. Current Medicinal Chemistry, 2019, 26, 3150-3174.	2.4	2

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91	A new multifunctionalized material against multi-drug resistant bacteria and abnormal osteoclast activity. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 120-129.	4.3	16
92	Advances in Nanotechnologies for the Fabrication of Silk Fibroin-Based Scaffolds for Tissue Regeneration. Pancreatic Islet Biology, 2018, , 151-160.	0.3	2
93	Evaluation of RNA from human trabecular bone and identification of stable reference genes. Journal of Cellular Physiology, 2018, 233, 4401-4407.	4.1	17
94	Biological Rationale for the Use of Vertebral Whole Bone Marrow in Spinal Surgery. Spine, 2018, 43, 1401-1410.	2.0	6
95	The role of synovial fluid analysis in the detection of periprosthetic hip and knee infections: a systematic review and meta-analysis. International Orthopaedics, 2018, 42, 983-994.	1.9	17
96	Gradient coatings of strontium hydroxyapatite/zinc β-tricalcium phosphate as a tool to modulate osteoblast/osteoclast response. Journal of Inorganic Biochemistry, 2018, 183, 1-8.	3.5	32
97	Bone regeneration in a rabbit critical femoral defect by means of magnetic hydroxyapatite macroporous scaffolds. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 546-554.	3.4	46
98	An advanced tri ulture model to evaluate the dynamic interplay among osteoblasts, osteoclasts, and endothelial cells. Journal of Cellular Physiology, 2018, 233, 291-301.	4.1	21
99	Osteogenic commitment and differentiation of human mesenchymal stem cells by lowâ€intensity pulsed ultrasound stimulation. Journal of Cellular Physiology, 2018, 233, 1558-1573.	4.1	37
100	Bone marrow aspirate clot: A technical complication or a smart approach for musculoskeletal tissue regeneration?. Journal of Cellular Physiology, 2018, 233, 2723-2732.	4.1	26
101	Biomimetic fabrication of antibacterial calcium phosphates mediated by polydopamine. Journal of Inorganic Biochemistry, 2018, 178, 43-53.	3.5	19
102	Gene therapy for chondral and osteochondral regeneration: is the future now?. Cellular and Molecular Life Sciences, 2018, 75, 649-667.	5.4	42
103	Osteoinductivity of nanostructured hydroxyapatiteâ€functionalized gelatin modulated by human and endogenous mesenchymal stromal cells. Journal of Biomedical Materials Research - Part A, 2018, 106, 914-923.	4.0	13
104	The use of cell conditioned medium for musculoskeletal tissue regeneration. Journal of Cellular Physiology, 2018, 233, 4423-4442.	4.1	33
105	Effects of pulsed electromagnetic fields and platelet rich plasma in preventing osteoclastogenesis in an in vitro model of osteolysis. Journal of Cellular Physiology, 2018, 233, 2645-2656.	4.1	14
106	Antimicrobial activity of commercial calcium phosphate based materials functionalized with vanillin. Acta Biomaterialia, 2018, 81, 293-303.	8.3	21
107	Novel alginate biphasic scaffold for osteochondral regeneration: an in vivo evaluation in rabbit and sheep models. Journal of Materials Science: Materials in Medicine, 2018, 29, 74.	3.6	33
108	Link between estrogen deficiency osteoporosis and susceptibility to bone metastases: A way towards precision medicine in cancer patients. Breast, 2018, 41, 42-50.	2.2	14

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109	Nonunion fracture healing: Evaluation of effectiveness of demineralized bone matrix and mesenchymal stem cells in a novel sheep bone nonunion model. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1972-1985.	2.7	19
110	Pulsed electromagnetic fields and platelet rich plasma alone and combined for the treatment of wear-mediated periprosthetic osteolysis: An in vivo study. Acta Biomaterialia, 2018, 77, 106-115.	8.3	20
111	Relevance of 3d culture systems to study osteosarcoma environment. Journal of Experimental and Clinical Cancer Research, 2018, 37, 2.	8.6	47
112	Inhibitory effects of low intensity pulsed ultrasound on osteoclastogenesis induced in vitro by breast cancer cells. Journal of Experimental and Clinical Cancer Research, 2018, 37, 197.	8.6	17
113	Strontiumâ€5ubstituted Hydroxyapatiteâ€Gelatin Biomimetic Scaffolds Modulate Bone Cell Response. Macromolecular Bioscience, 2018, 18, e1800096.	4.1	36
114	Engineered exosomes: A new promise for the management of musculoskeletal diseases. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1893-1901.	2.4	35
115	PRP and MSCs on tenocytes artificial wound healing: an in vitro study comparing fresh and frozen PRP. Histology and Histopathology, 2018, 33, 1323-1334.	0.7	10
116	Protective effects of <i>Polypodium leucotomos</i> extract against <scp>UVB</scp> â€induced damage in a model of reconstructed human epidermis. Photodermatology Photoimmunology and Photomedicine, 2017, 33, 156-163.	1.5	15
117	Antiresorptive and anti-angiogenetic octacalcium phosphate functionalized with bisphosphonates: An in vitro tri-culture study. Acta Biomaterialia, 2017, 54, 419-428.	8.3	33
118	Fresh osteochondral allotransplants: Outcomes, failures and future developments. Injury, 2017, 48, 1287-1295.	1.7	19
119	Subchondral bone response to injected adipose-derived stromal cells for treating osteoarthritis using an experimental rabbit model. Biotechnic and Histochemistry, 2017, 92, 201-211.	1.3	13
120	A Human 3D In Vitro Model to Assess the Relationship Between Osteoporosis and Dissemination to Bone of Breast Cancer Tumor Cells. Journal of Cellular Physiology, 2017, 232, 1826-1834.	4.1	17
121	When size matters: differences in demineralized bone matrix particles affect collagen structure, mesenchymal stem cell behavior, and osteogenic potential. Journal of Biomedical Materials Research - Part A, 2017, 105, 1019-1033.	4.0	29
122	Uremic Serum Impairs Osteogenic Differentiation of Human Bone Marrow Mesenchymal Stromal Cells. Journal of Cellular Physiology, 2017, 232, 2201-2209.	4.1	12
123	Quercetin and alendronate multiâ€functionalized materials as tools to hinder oxidative stress damage. Journal of Biomedical Materials Research - Part A, 2017, 105, 3293-3303.	4.0	24
124	Spontaneous osteoclastogenesis: Hypothesis for gender-unrelated osteoporosis screening and diagnosis. Medical Hypotheses, 2017, 109, 70-72.	1.5	6
125	Hypoxia-inducible factor 1l̂ [°] may regulate the commitment of mesenchymal stromal cells toward angio-osteogenesis by mirna-675-5P. Cytotherapy, 2017, 19, 1412-1425.	0.7	41
126	Chondroprotective activity of N-acetyl phenylalanine glucosamine derivative on knee joint structure and inflammation in a murine model of osteoarthritis. Osteoarthritis and Cartilage, 2017, 25, 589-599.	1.3	24

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127	RAW 264.7 coâ€cultured with ultraâ€high molecular weight polyethylene particles spontaneously differentiate into osteoclasts: an <i>in vitro</i> model of periprosthetic osteolysis. Journal of Biomedical Materials Research - Part A, 2017, 105, 510-520.	4.0	16
128	Gelatin Porous Scaffolds as Delivery Systems of Calcium Alendronate. Macromolecular Bioscience, 2017, 17, 1600272.	4.1	9
129	Increased Chondrogenic Potential of Mesenchymal Cells From Adipose Tissue Versus Bone Marrowâ€Derived Cells in Osteoarthritic In Vitro Models. Journal of Cellular Physiology, 2017, 232, 1478-1488.	4.1	31
130	A new bi-layered scaffold for osteochondral tissue regeneration: In vitro and in vivo preclinical investigations. Materials Science and Engineering C, 2017, 70, 101-111.	7.3	64
131	Mesenchymal stem cells for tendon healing: what is on the horizon?. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3202-3219.	2.7	31
132	Osseointegration is improved by coating titanium implants with a nanostructured thin film with titanium carbide and titanium oxides clustered around graphitic carbon. Materials Science and Engineering C, 2017, 70, 264-271.	7.3	39
133	Polydeoxyribonucleotides (PDRNs) From Skin to Musculoskeletal Tissue Regeneration via Adenosine A _{2A} Receptor Involvement. Journal of Cellular Physiology, 2017, 232, 2299-2307.	4.1	28
134	Biological assessment of bioceramics. , 2017, , 111-125.		1
135	Biofabrication and Bone Tissue Regeneration: Cell Source, Approaches, and Challenges. Frontiers in Bioengineering and Biotechnology, 2017, 5, 17.	4.1	91
136	Gene Expression in Osteolysis: Review on the Identification of Altered Molecular Pathways in Preclinical and Clinical Studies. International Journal of Molecular Sciences, 2017, 18, 499.	4.1	24
137	Mesenchymal Stem Cells for the Treatment of Spinal Arthrodesis: From Preclinical Research to Clinical Scenario. Stem Cells International, 2017, 2017, 1-27.	2.5	19
138	Effect of Low-Intensity Pulsed Ultrasound on Osteogenic Human Mesenchymal Stem Cells Commitment in a New Bone Scaffold. Journal of Applied Biomaterials and Functional Materials, 2017, 15, 215-222.	1.6	23
139	A Nanomechanical Investigation of Engineered Bone Tissue Comparing Elastoplastic and Viscoelastoplastic Modeling. Advances in Materials Science and Engineering, 2017, 2017, 1-8.	1.8	1
140	Circulating biomarkers in osteosarcoma: new translational tools for diagnosis and treatment. Oncotarget, 2017, 8, 100831-100851.	1.8	40
141	Complex Regional Pain Syndrome Type I, a Debilitating and Poorly Understood Syndrome. Possible Role for Pulsed Electromagnetic Fields: A Narrative Review. Pain Physician, 2017, 20, E807-E822.	0.4	8
142	Biomaterials as bone graft substitutes for spine surgery: from preclinical results to clinical study. Journal of Biological Regulators and Homeostatic Agents, 2017, 31, 167-181.	0.7	4
143	Is Micro-Computed Tomography Useful for Wear Assessment of Ceramic Femoral Heads? A Preliminary Evaluation of Volume Measurements. Journal of Applied Biomaterials and Functional Materials, 2016, 14, 483-489.	1.6	9
144	Fabrication and Pilot In Vivo Study of a Collagen-BDDGE-Elastin Core-Shell Scaffold for Tendon Regeneration. Frontiers in Bioengineering and Biotechnology, 2016, 4, 52.	4.1	38

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145	The Role of Detraining in Tendon Mechanobiology. Frontiers in Aging Neuroscience, 2016, 8, 43.	3.4	26
146	The influence of root surface distance to alveolar bone and periodontal ligament on periodontal wound healing. Journal of Periodontal and Implant Science, 2016, 46, 303.	2.0	2
147	Peripheral Blood Mononuclear Cells Spontaneous Osteoclastogenesis: Mechanisms Driving the Process and Clinical Relevance in Skeletal Disease. Journal of Cellular Physiology, 2016, 231, 521-530.	4.1	16
148	A surgical multi-layer technique for pelvic reconstruction after total exenteration using a combination of pedicled omental flap, human acellular dermal matrix and autologous adipose derived cells. Gynecologic Oncology Reports, 2016, 18, 36-39.	0.6	7
149	Feasibility of Electroporation in Bone and in the Surrounding Clinically Relevant Structures. Technology in Cancer Research and Treatment, 2016, 15, 737-748.	1.9	19
150	Novel therapeutic targets in osteoarthritis: Narrative review on knock-out genes involved in disease development in mouse animal models. Cytotherapy, 2016, 18, 593-612.	0.7	16
151	Vitamin D Level Between Calcium-Phosphorus Homeostasis and Immune System: New Perspective in Osteoporosis. Current Osteoporosis Reports, 2016, , 1.	3.6	33
152	Autologous Bone Marrow Concentrate in a Sheep Model of Osteoarthritis: New Perspectives for Cartilage and Meniscus Repair. Tissue Engineering - Part C: Methods, 2016, 22, 608-619.	2.1	46
153	Past and present of interposition arthroplasties for joint repair with special tribute to the contribution by Vittorio Putti. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 4005-4011.	4.2	3
154	Magnetic forces and magnetized biomaterials provide dynamic flux information during bone regeneration. Journal of Materials Science: Materials in Medicine, 2016, 27, 51.	3.6	31
155	(<i>9R</i>)-9-Hydroxystearate-Functionalized Hydroxyapatite as Antiproliferative and Cytotoxic Agent toward Osteosarcoma Cells Langmuir, 2016, 32, 188-194.	3.5	16
156	Needle-like ion-doped hydroxyapatite crystals influence osteogenic properties of PCL composite scaffolds. Biomedical Materials (Bristol), 2016, 11, 015018.	3.3	17
157	Antioxidant and bone repair properties of quercetin-functionalized hydroxyapatite: An in vitro osteoblast–osteoclast–endothelial cell co-culture study. Acta Biomaterialia, 2016, 32, 298-308.	8.3	70
158	An <i>in vitro</i> 3D bone metastasis model by using a human bone tissue culture and human sex-related cancer cells. Oncotarget, 2016, 7, 76966-76983.	1.8	26
159	A systematic review on <i>in vitro</i> 3D bone metastases models: A new horizon to recapitulate the native clinical scenario?. Oncotarget, 2016, 7, 44803-44820.	1.8	45
160	Estrogen-deficient osteoporosis enhances the recruitment and activity of osteoclasts by breast cancer cells. Histology and Histopathology, 2016, 31, 83-93.	0.7	8
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