

Milena Fini

List of Publications by Year in descending order

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479
papers

18,719
citations

13332

70
h-index

33145

104
g-index

488
all docs

488
docs citations

488
times ranked

21556
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	In Vivo Model of Osteoarthritis to Compare Allogenic Amniotic Epithelial Stem Cells and Autologous Adipose Derived Cells. <i>Biology</i> , 2022, 11, 681.	1.3	3
5	Monetite vs. Brushite: Different Influences on Bone Cell Response Modulated by Strontium Functionalization. <i>Journal of Functional Biomaterials</i> , 2022, 13, 65.	1.8	10
6	Antiosteoporotic Nanohydroxyapatite Zoledronate Scaffold Seeded with Bone Marrow Mesenchymal Stromal Cells for Bone Regeneration: A 3D In Vitro Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5988.	1.8	1
7	Naturally Occurring Osteoarthritis Features and Treatments: Systematic Review on the Aged Guinea Pig Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7309.	1.8	7
8	Evaluation of cartilage biomechanics and knee joint microenvironment after different cell-based treatments in a sheep model of early osteoarthritis. <i>International Orthopaedics</i> , 2021, 45, 427-435.	0.9	16
9	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
10	Development and characterization of a novel human 3D model of bone metastasis from breast carcinoma in vitro cultured. <i>Bone</i> , 2021, 143, 115773.	1.4	3
11	Flavonoids in Bone Erosive Diseases: Perspectives in Osteoporosis Treatment. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 76-94.	3.1	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. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 115, 104262.	1.5	20
13	Prospects on the Potential In Vitro Regenerative Features of Mechanically Treated-Adipose Tissue for Osteoarthritis Care. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1362-1373.	1.7	2
14	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
15	Nano-Based Biomaterials as Drug Delivery Systems Against Osteoporosis: A Systematic Review of Preclinical and Clinical Evidence. <i>Nanomaterials</i> , 2021, 11, 530.	1.9	33
16	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
17	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
18	Stromal Vascular Fraction and Amniotic Epithelial Cells: Preclinical and Clinical Relevance in Musculoskeletal Regenerative Medicine. <i>Stem Cells International</i> , 2021, 2021, 1-22.	1.2	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. <i>Materials Science and Engineering C</i> , 2021, 123, 112031.	3.8	11
20	Strontium substituted hydroxyapatite with β -lactam integrin agonists to enhance mesenchymal cells adhesion and to promote bone regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111580.	2.5	10
21	Composite Scaffolds for Bone Tissue Regeneration Based on PCL and Mg-Containing Bioactive Glasses. <i>Biology</i> , 2021, 10, 398.	1.3	30
22	Mechanical and in vitro biological properties of uniform and graded Cobalt-Chrome lattice structures in orthopedic implants. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 2091-2103.	1.6	18
23	Gender and Sex Are Key Determinants in Osteoarthritis Not Only Confounding Variables. A Systematic Review of Clinical Data. <i>Journal of Clinical Medicine</i> , 2021, 10, 3178.	1.0	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. <i>Coatings</i> , 2021, 11, 840.	1.2	1
25	Non-flavonoid polyphenols in osteoporosis: preclinical evidence. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 515-529.	3.1	22
26	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
27	Vitamin D and Platelets: A Menacing Duo in COVID-19 and Potential Relation to Bone Remodeling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10010.	1.8	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. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 773.	0.8	15
29	Blood factors as biomarkers in osteoporosis: points from the COVID-19 era. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 672-679.	3.1	8
30	Bone Regeneration in Load-Bearing Segmental Defects, Guided by Biomorphic, Hierarchically Structured Apatitic Scaffold. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 734486.	2.0	19
31	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
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. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 807679.	2.0	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. <i>Clinical Journal of Sport Medicine</i> , 2020, 30, 1-7.	0.9	24
35	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
36	Osteosarcoma cell-derived exosomes affect tumor microenvironment by specific packaging of microRNAs. <i>Carcinogenesis</i> , 2020, 41, 666-677.	1.3	79

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37	A radiopaque calcium phosphate bone cement with long-lasting antibacterial effect: From paste to injectable formulation. <i>Ceramics International</i> , 2020, 46, 10048-10057.	2.3	12
38	Targeting Wnt/ β -catenin and PI3K/Akt/mTOR pathways in T-cell acute lymphoblastic leukemia. <i>Journal of Cellular Physiology</i> , 2020, 235, 5413-5428.	2.0	40
39	Spinal Fusion Surgery and Local Antibiotic Administration. <i>Spine</i> , 2020, 45, 339-348.	1.0	10
40	The clinical strategies for tendon repair with biomaterials: A review on rotator cuff and Achilles tendons. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1826-1843.	1.6	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. <i>HIP International</i> , 2020, 30, 3-12.	0.9	11
42	Multiple Myeloma-Derived Extracellular Vesicles Induce Osteoclastogenesis through the Activation of the XBP1/IRE1 α Axis. <i>Cancers</i> , 2020, 12, 2167.	1.7	27
43	Bone's Response to Mechanical Loading in Aging and Osteoporosis: Molecular Mechanisms. <i>Calcified Tissue International</i> , 2020, 107, 301-318.	1.5	29
44	Body Localization of ACE-2: On the Trail of the Keyhole of SARS-CoV-2. <i>Frontiers in Medicine</i> , 2020, 7, 594495.	1.2	182
45	Overt and non-overt disseminated intravascular coagulation and the potential role of heparin in the COVID-19 pandemic outbreak. <i>Therapeutic Advances in Hematology</i> , 2020, 11, 204062072095165.	1.1	0
46	Platelet functions and activities as potential hematologic parameters related to Coronavirus Disease 2019 (Covid-19). <i>Platelets</i> , 2020, 31, 627-632.	1.1	67
47	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
48	Spinal fusion procedures in the adult and young population: a systematic review on allogenic bone and synthetic grafts when compared to autologous bone. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 51.	1.7	17
49	Vascular Supply and Bone Marrow Concentrate for the Improvement of Allograft in Bone Defects: A Comparative In Vivo Study. <i>Journal of Surgical Research</i> , 2020, 252, 1-8.	0.8	3
50	Sex Specific Determinants in Osteoarthritis: A Systematic Review of Preclinical Studies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3696.	1.8	37
51	Platinum nanoparticles supported on functionalized hydroxyapatite: Anti-oxidant properties and bone cells response. <i>Ceramics International</i> , 2020, 46, 19574-19582.	2.3	3
52	Platelet Features and Derivatives in Osteoporosis: A Rational and Systematic Review on the Best Evidence. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1762.	1.8	13
53	Evidence from systematic reviews on photobiomodulation of human bone and stromal cells: Where do we stand?. <i>Archives of Biochemistry and Biophysics</i> , 2020, 685, 108333.	1.4	2
54	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

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55	Evaluation of a new collagen-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. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1113-1125.	1.3	8
56	A 3D-Printed Ultra-Low Young's Modulus Ti-Ti Alloy for Biomedical Applications. <i>Materials</i> , 2020, 13, 2792.	1.3	24
57	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
58	Meniscectomy-induced osteoarthritis in the sheep model for the investigation of therapeutic strategies: a systematic review. <i>International Orthopaedics</i> , 2020, 44, 779-793.	0.9	11
59	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
60	Relevance of humanized three-dimensional tumor tissue models: a descriptive systematic literature review. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3913-3944.	2.4	6
61	In vivo studies on osteoinduction: A systematic review on animal models, implant site, and type and postimplantation investigation. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1834-1866.	2.1	7
62	Demineralized bone matrix paste formulated with biomimetic PLGA microcarriers for the vancomycin hydrochloride controlled delivery: Release profile, cytotoxicity and efficacy against <i>S. aureus</i> . <i>International Journal of Pharmaceutics</i> , 2020, 582, 119322.	2.6	15
63	Role and translational implication of galectins in arthritis pathophysiology and treatment: A systematic literature review. <i>Journal of Cellular Physiology</i> , 2019, 234, 1588-1605.	2.0	12
64	Focused Ultrasound Effects on Osteosarcoma Cell Lines. <i>BioMed Research International</i> , 2019, 2019, 1-14.	0.9	2
65	Nano-mechanical investigation of engineered bone tissue and of the osteochondral interface. <i>Materials Today: Proceedings</i> , 2019, 7, 516-521.	0.9	1
66	The N-Acetyl Phenylalanine Glucosamine Derivative Attenuates the Inflammatory/Catabolic Environment in a Chondrocyte-Synoviocyte Co-Culture System. <i>Scientific Reports</i> , 2019, 9, 13603.	1.6	12
67	CoCr porous scaffolds manufactured via selective laser melting in orthopedics: Topographical, mechanical, and biological characterization. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 2343-2353.	1.6	35
68	Heterogeneous chemistry in the 3-D state: an original approach to generate bioactive, mechanically-competent bone scaffolds. <i>Biomaterials Science</i> , 2019, 7, 307-321.	2.6	29
69	Deregulated miRNAs in osteoporosis: effects in bone metastasis. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3723-3744.	2.4	45
70	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
71	Multifunctionalization Modulates Hydroxyapatite Surface Interaction with Bisphosphonate: Antiosteoporotic and Antioxidative Stress Materials. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3429-3439.	2.6	14
72	Biosensors for real-time monitoring of physiological processes in the musculoskeletal system: A systematic review. <i>Journal of Cellular Physiology</i> , 2019, 234, 21504-21518.	2.0	4

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73	A Composite Chitosan-Reinforced Scaffold Fails to Provide Osteochondral Regeneration. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2227.	1.8	19
74	Functionalization of Ceramic Coatings for Enhancing Integration in Osteoporotic Bone: A Systematic Review. <i>Coatings</i> , 2019, 9, 312.	1.2	8
75	Nanoindentation: An advanced procedure to investigate osteochondral engineered tissues. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 96, 79-87.	1.5	12
76	Adjuvant Biophysical Therapies in Osteosarcoma. <i>Cancers</i> , 2019, 11, 348.	1.7	45
77	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.	2.0	22
78	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.	1.8	20
79	Deregulated miRNAs in bone health: Epigenetic roles in osteoporosis. <i>Bone</i> , 2019, 122, 52-75.	1.4	80
80	Effects of intra-articular hyaluronic acid associated to Chitlac (artyduo [®]) in a rat knee osteoarthritis model. <i>Journal of Orthopaedic Research</i> , 2019, 37, 867-876.	1.2	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. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 54.	0.9	26
82	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
83	MiR-33a Controls hMSCS Osteoblast Commitment Modulating the Yap/Taz Expression Through EGFR Signaling Regulation. <i>Cells</i> , 2019, 8, 1495.	1.8	13
84	Auto-Allo Graft Parallel Juxtaposition for Improved Neuroregeneration in Peripheral Nerve Reconstruction Based on Acellular Nerve Allografts. <i>Annals of Plastic Surgery</i> , 2019, 83, 318-325.	0.5	7
85	Modulation of Alendronate release from a calcium phosphate bone cement: An in vitro osteoblast-osteoclast co-culture study. <i>International Journal of Pharmaceutics</i> , 2019, 554, 245-255.	2.6	28
86	Osteochondral tissue cultures: Between limits and sparks, the next step for advanced in vitro models. <i>Journal of Cellular Physiology</i> , 2019, 234, 5420-5435.	2.0	8
87	Bone marrow concentrate and expanded mesenchymal stromal cell supernatants 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
88	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
89	Corrosion and biocompatibility examination of multi-element modified calcium phosphate bioceramic layers. <i>Materials Science and Engineering C</i> , 2019, 95, 381-388.	3.8	17
90	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

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91	A new multifunctionalized material against multi-drug resistant bacteria and abnormal osteoclast activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 120-129.	2.0	16
92	Advances in Nanotechnologies for the Fabrication of Silk Fibroin-Based Scaffolds for Tissue Regeneration. <i>Pancreatic Islet Biology</i> , 2018, , 151-160.	0.1	2
93	Evaluation of RNA from human trabecular bone and identification of stable reference genes. <i>Journal of Cellular Physiology</i> , 2018, 233, 4401-4407.	2.0	17
94	Biological Rationale for the Use of Vertebral Whole Bone Marrow in Spinal Surgery. <i>Spine</i> , 2018, 43, 1401-1410.	1.0	6
95	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
96	Gradient coatings of strontium hydroxyapatite/zinc β -tricalcium phosphate as a tool to modulate osteoblast/osteoclast response. <i>Journal of Inorganic Biochemistry</i> , 2018, 183, 1-8.	1.5	32
97	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
98	An advanced tri-culture model to evaluate the dynamic interplay among osteoblasts, osteoclasts, and endothelial cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 291-301.	2.0	21
99	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
100	Bone marrow aspirate clot: A technical complication or a smart approach for musculoskeletal tissue regeneration?. <i>Journal of Cellular Physiology</i> , 2018, 233, 2723-2732.	2.0	26
101	Biomimetic fabrication of antibacterial calcium phosphates mediated by polydopamine. <i>Journal of Inorganic Biochemistry</i> , 2018, 178, 43-53.	1.5	19
102	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
103	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
104	The use of cell conditioned medium for musculoskeletal tissue regeneration. <i>Journal of Cellular Physiology</i> , 2018, 233, 4423-4442.	2.0	33
105	Effects of pulsed electromagnetic fields and platelet rich plasma in preventing osteoclastogenesis in an in vitro model of osteolysis. <i>Journal of Cellular Physiology</i> , 2018, 233, 2645-2656.	2.0	14
106	Antimicrobial activity of commercial calcium phosphate based materials functionalized with vanillin. <i>Acta Biomaterialia</i> , 2018, 81, 293-303.	4.1	21
107	Novel alginate biphasic scaffold for osteochondral regeneration: an in vivo evaluation in rabbit and sheep models. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 74.	1.7	33
108	Link between estrogen deficiency osteoporosis and susceptibility to bone metastases: A way towards precision medicine in cancer patients. <i>Breast</i> , 2018, 41, 42-50.	0.9	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. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1972-1985.	1.3	19
110	Pulsed electromagnetic fields and platelet rich plasma alone and combined for the treatment of wear-mediated periprosthetic osteolysis: An in vivo study. <i>Acta Biomaterialia</i> , 2018, 77, 106-115.	4.1	20
111	Relevance of 3d culture systems to study osteosarcoma environment. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 2.	3.5	47
112	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
113	Strontium-Substituted Hydroxyapatite-Gelatin Biomimetic Scaffolds Modulate Bone Cell Response. <i>Macromolecular Bioscience</i> , 2018, 18, e1800096.	2.1	36
114	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
115	PRP and MSCs on tenocytes artificial wound healing: an in vitro study comparing fresh and frozen PRP. <i>Histology and Histopathology</i> , 2018, 33, 1323-1334.	0.5	10
116	Protective effects of <i>Polypodium leucotomos</i> extract against UVB-induced damage in a model of reconstructed human epidermis. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2017, 33, 156-163.	0.7	15
117	Antiresorptive and anti-angiogenic octacalcium phosphate functionalized with bisphosphonates: An in vitro tri-culture study. <i>Acta Biomaterialia</i> , 2017, 54, 419-428.	4.1	33
118	Fresh osteochondral allotransplants: Outcomes, failures and future developments. <i>Injury</i> , 2017, 48, 1287-1295.	0.7	19
119	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
120	A Human 3D In Vitro Model to Assess the Relationship Between Osteoporosis and Dissemination to Bone of Breast Cancer Tumor Cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 1826-1834.	2.0	17
121	When size matters: differences in demineralized bone matrix particles affect collagen structure, mesenchymal stem cell behavior, and osteogenic potential. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1019-1033.	2.1	29
122	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
123	Quercetin and alendronate multi-functionalized materials as tools to hinder oxidative stress damage. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3293-3303.	2.1	24
124	Spontaneous osteoclastogenesis: Hypothesis for gender-unrelated osteoporosis screening and diagnosis. <i>Medical Hypotheses</i> , 2017, 109, 70-72.	0.8	6
125	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.	0.3	41
126	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

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127	RAW 264.7 cells cultured with ultra-high molecular weight polyethylene particles spontaneously differentiate into osteoclasts: an <i>in vitro</i> model of periprosthetic osteolysis. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 510-520.	2.1	16
128	Gelatin Porous Scaffolds as Delivery Systems of Calcium Alendronate. <i>Macromolecular Bioscience</i> , 2017, 17, 1600272.	2.1	9
129	Increased Chondrogenic Potential of Mesenchymal Cells From Adipose Tissue Versus Bone Marrow-Derived Cells in Osteoarthritic In Vitro Models. <i>Journal of Cellular Physiology</i> , 2017, 232, 1478-1488.	2.0	31
130	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
131	Mesenchymal stem cells for tendon healing: what is on the horizon?. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3202-3219.	1.3	31
132	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
133	Polydeoxyribonucleotides (PDRNs) From Skin to Musculoskeletal Tissue Regeneration via Adenosine A _{2A} Receptor Involvement. <i>Journal of Cellular Physiology</i> , 2017, 232, 2299-2307.	2.0	28
134	Biological assessment of bioceramics. , 2017, , 111-125.		1
135	Biofabrication and Bone Tissue Regeneration: Cell Source, Approaches, and Challenges. <i>Frontiers in Bioengineering and Biotechnology</i> , 2017, 5, 17.	2.0	91
136	Gene Expression in Osteolysis: Review on the Identification of Altered Molecular Pathways in Preclinical and Clinical Studies. <i>International Journal of Molecular Sciences</i> , 2017, 18, 499.	1.8	24
137	Mesenchymal Stem Cells for the Treatment of Spinal Arthrodesis: From Preclinical Research to Clinical Scenario. <i>Stem Cells International</i> , 2017, 2017, 1-27.	1.2	19
138	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
139	A Nanomechanical Investigation of Engineered Bone Tissue Comparing Elastoplastic and Viscoelastoplastic Modeling. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-8.	1.0	1
140	Circulating biomarkers in osteosarcoma: new translational tools for diagnosis and treatment. <i>Oncotarget</i> , 2017, 8, 100831-100851.	0.8	40
141	Complex Regional Pain Syndrome Type I, a Debilitating and Poorly Understood Syndrome. Possible Role for Pulsed Electromagnetic Fields: A Narrative Review. <i>Pain Physician</i> , 2017, 20, E807-E822.	0.3	8
142	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
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