

# Maria H Fernandes

## List of Publications by Year in descending order

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259  
papers

7,831  
citations

46984

47  
h-index

85498

71  
g-index

277  
all docs

277  
docs citations

277  
times ranked

10756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human bone cell cultures in biocompatibility testing. Part II: effect of ascorbic acid, $\beta$ -glycerophosphate and dexamethasone on osteoblastic differentiation. <i>Biomaterials</i> , 2000, 21, 1095-1102.	5.7	285
2	Rodent models in bone-related research: the relevance of calvarial defects in the assessment of bone regeneration strategies. <i>Laboratory Animals</i> , 2011, 45, 14-24.	0.5	189
3	Three-dimensional printed PCL/hydroxyapatite scaffolds filled with CNTs for bone cell growth stimulation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1210-1219.	1.6	181
4	Effect of Sterilization Methods on Electrospun Poly(lactic acid) (PLA) Fiber Alignment for Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3241-3249.	4.0	171
5	In vitro cytocompatibility of MG63 cells on chitosan-organosiloxane hybrid membranes. <i>Biomaterials</i> , 2005, 26, 485-493.	5.7	160
6	Corrosion resistance of a composite polymeric coating applied on biodegradable AZ31 magnesium alloy. <i>Acta Biomaterialia</i> , 2013, 9, 8660-8670.	4.1	136
7	Engineering a multifunctional 3D-printed PLA-collagen-minocycline-nanoHydroxyapatite scaffold with combined antimicrobial and osteogenic effects for bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 101, 15-26.	3.8	127
8	Human bone cell cultures in biocompatibility testing. Part I: osteoblastic differentiation of serially passaged human bone marrow cells cultured in $\alpha$ -MEM and in DMEM. <i>Biomaterials</i> , 2000, 21, 1087-1094.	5.7	126
9	Effects of Si speciation on the in vitro bioactivity of glasses. <i>Biomaterials</i> , 2002, 23, 371-379.	5.7	121
10	Nanocrystalline diamond: <i>in vitro</i> biocompatibility assessment by MG63 and human bone marrow cells cultures. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 91-99.	2.1	120
11	Antibacterial silk fibroin/nanohydroxyapatite hydrogels with silver and gold nanoparticles for bone regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 231-239.	1.7	119
12	Marine Cyanobacteria Compounds with Anticancer Properties: A Review on the Implication of Apoptosis. <i>Marine Drugs</i> , 2012, 10, 2181-2207.	2.2	116
13	Preparation and characterization of collagen/nanohydroxyapatite biocomposite scaffolds by cryogelation method for bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1080-1094.	2.1	113
14	Physical, chemical and in vitro biological profile of chitosan hybrid membrane as a function of organosiloxane concentration. <i>Acta Biomaterialia</i> , 2009, 5, 346-355.	4.1	99
15	Development and characterization of zirconia/alumina composites for orthopedic implants. <i>Ceramics International</i> , 2017, 43, 693-703.	2.3	96
16	Nano-hydroxyapatite in oral care cosmetics: characterization and cytotoxicity assessment. <i>Scientific Reports</i> , 2019, 9, 11050.	1.6	86
17	The Anticancer Potential of Ionic Liquids. <i>ChemMedChem</i> , 2017, 12, 11-18.	1.6	85
18	Effect of therapeutic levels of doxycycline and minocycline in the proliferation and differentiation of human bone marrow osteoblastic cells. <i>Archives of Oral Biology</i> , 2007, 52, 251-259.	0.8	84

#	ARTICLE	IF	CITATIONS
19	Development of silk fibroin/nanohydroxyapatite composite hydrogels for bone tissue engineering. <i>European Polymer Journal</i> , 2015, 67, 66-77.	2.6	82
20	In vitro comparison of chlorhexidine and povidone-iodine on the long-term proliferation and functional activity of human alveolar bone cells. <i>Clinical Oral Investigations</i> , 2007, 11, 155-164.	1.4	81
21	In vitro bioactivity of glass and glass-ceramics of the $3\text{CaO}\cdot\text{P}_2\text{O}_5\cdot\text{CaO}\cdot\text{SiO}_2\cdot\text{CaO}\cdot\text{MgO}\cdot 2\text{SiO}_2$ system. <i>Biomaterials</i> , 2000, 21, 251-257.	5.7	79
22	Influence of the CaO/MgO ratio on the structure of phase-separated glasses: a solid state $^{29}\text{Si}$ and $^{31}\text{P}$ MAS NMR study. <i>Journal of Non-Crystalline Solids</i> , 2000, 265, 221-229.	1.5	78
23	Biocompatibility evaluation of DLC-coated $\text{Si}_3\text{N}_4$ substrates for biomedical applications. <i>Diamond and Related Materials</i> , 2008, 17, 878-881.	1.8	73
24	Dose-dependent inhibitory effects of proton pump inhibitors on human osteoclastic and osteoblastic cell activity. <i>FEBS Journal</i> , 2013, 280, 5052-5064.	2.2	72
25	Antitumor Activity of Ionic Liquids Based on Ampicillin. <i>ChemMedChem</i> , 2015, 10, 1480-1483.	1.6	68
26	$\text{Si}_3\text{N}_4$ -bioglass composites stimulate the proliferation of MG63 osteoblast-like cells and support the osteogenic differentiation of human bone marrow cells. <i>Biomaterials</i> , 2002, 23, 4897-4906.	5.7	67
27	Hydroxyapatite surface roughness: Complex modulation of the osteoclastogenesis of human precursor cells. <i>Acta Biomaterialia</i> , 2012, 8, 1137-1145.	4.1	65
28	Biomimetic Mineralization on a Macroporous Cellulose-Based Matrix for Bone Regeneration. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	64
29	Cell inward transport of $\text{DOPA}$ and $3\text{-O-methyl-DOPA}$ in rat renal tubules. <i>British Journal of Pharmacology</i> , 1994, 112, 611-615.	2.7	63
30	Regulation of dopamine synthesis in the rat kidney. <i>Autonomic and Autacoid Pharmacology</i> , 1990, 10, s25-s30.	0.7	62
31	Cytotoxicity evaluation of nanocrystalline diamond coatings by fibroblast cell cultures. <i>Acta Biomaterialia</i> , 2009, 5, 755-763.	4.1	62
32	Treatments to induce the nucleation and growth of apatite-like layers on polymeric surfaces and foams. <i>Journal of Materials Science: Materials in Medicine</i> , 1997, 8, 897-905.	1.7	60
33	Biodegradation, biocompatibility, and osteoconduction evaluation of collagen-nanohydroxyapatite cryogels for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 57-70.	2.1	60
34	Exploring Bioactive Properties of Marine Cyanobacteria Isolated from the Portuguese Coast: High Potential as a Source of Anticancer Compounds. <i>Marine Drugs</i> , 2014, 12, 98-114.	2.2	57
35	Biofunctional composite coating architectures based on polycaprolactone and nanohydroxyapatite for controlled corrosion activity and enhanced biocompatibility of magnesium AZ31 alloy. <i>Materials Science and Engineering C</i> , 2015, 48, 434-443.	3.8	57
36	Surface modifications of a glass and a glass-ceramic of the $\text{MgO}\cdot 3\text{CaO}\cdot\text{P}_2\text{O}_5\cdot\text{SiO}_2$ system in a simulated body fluid. <i>Biomaterials</i> , 1995, 16, 849-854.	5.7	56

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37	Sarcosine oxidase composite screen-printed electrode for sarcosine determination in biological samples. <i>Analytica Chimica Acta</i> , 2014, 850, 26-32.	2.6	56
38	Antibacterial activity and biocompatibility of three-dimensional nanostructured porous granules of hydroxyapatite and zinc oxide nanoparticles – an <i>in vitro</i> and <i>in vivo</i> study. <i>Nanotechnology</i> , 2015, 26, 315101.	1.3	55
39	Assessment of renal dopaminergic system activity in the nitric oxide-deprived hypertensive rat model. <i>British Journal of Pharmacology</i> , 1995, 114, 1403-1413.	2.7	54
40	Tribocorrosion Behavior of Calcium- and Phosphorous-Enriched Titanium Oxide Films and Study of Osteoblast Interactions for Dental Implants. <i>Journal of Bio- and Tribo-Corrosion</i> , 2015, 1, 1.	1.2	54
41	In vitro biomineralization by osteoblast-like cells I. Retardation of tissue mineralization by metal salts. <i>Biomaterials</i> , 1998, 19, 13-21.	5.7	53
42	Alginate-nanohydroxyapatite hydrogel system: Optimizing the formulation for enhanced bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 105, 109985.	3.8	53
43	Glutaraldehyde-crosslinking chitosan scaffolds reinforced with calcium phosphate spray-dried granules for bone tissue applications. <i>Materials Science and Engineering C</i> , 2020, 109, 110557.	3.8	53
44	Isotropic micropatterned silica coatings on zirconia induce guided cell growth for dental implants. <i>Dental Materials</i> , 2011, 27, 581-589.	1.6	52
45	Femtosecond laser microstructuring of alumina toughened zirconia for surface functionalization of dental implants. <i>Ceramics International</i> , 2020, 46, 1383-1389.	2.3	52
46	Evaluation of human osteoblastic cell response to plasma-sprayed silicon-substituted hydroxyapatite coatings over titanium substrates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 94B, 337-346.	1.6	51
47	Novel Prostate Specific Antigen plastic antibody designed with charged binding sites for an improved protein binding and its application in a biosensor of potentiometric transduction. <i>Electrochimica Acta</i> , 2014, 132, 142-150.	2.6	51
48	Cell-induced response by tetracyclines on human bone marrow colonized hydroxyapatite and Bonelike®. <i>Acta Biomaterialia</i> , 2008, 4, 630-637.	4.1	50
49	Spray Drying: An Overview. , 0, , .		50
50	Defensins in the oral cavity: distribution and biological role. <i>Journal of Oral Pathology and Medicine</i> , 2010, 39, 1-9.	1.4	49
51	Effects of AISI 316L corrosion products in in vitro bone formation. <i>Biomaterials</i> , 1998, 19, 999-1007.	5.7	47
52	Femtosecond laser microstructured Alumina toughened Zirconia: A new strategy to improve osteogenic differentiation of hMSCs. <i>Applied Surface Science</i> , 2018, 435, 1237-1245.	3.1	47
53	Type A and B monoamine oxidase activities in the human and rat kidney. <i>Acta Physiologica Scandinavica</i> , 1992, 145, 363-365.	2.3	46
54	Novel cerium doped glass-reinforced hydroxyapatite with antibacterial and osteoconductive properties for bone tissue regeneration. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 055008.	1.7	45

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55	Encapsulated bacteriophages in alginate-nanohydroxyapatite hydrogel as a novel delivery system to prevent orthopedic implant-associated infections. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102145.	1.7	44
56	Involvement of tubular sodium in the formation of dopamine in the human renal cortex.. <i>Journal of the American Society of Nephrology: JASN</i> , 1993, 3, 1591-1599.	3.0	44
57	The effect of denture adhesives on <i>Candida albicans</i> growth <i>in vitro</i> . <i>Gerodontology</i> , 2012, 29, e348-56.	0.8	42
58	Osteogenic and Angiogenic Response to Calcium Silicate-based Endodontic Sealers. <i>Journal of Endodontics</i> , 2016, 42, 113-119.	1.4	42
59	In vitro osteoblastic differentiation of human bone marrow cells in the presence of metal ions. , 1999, 44, 176-190.		40
60	Samarium doped glass-reinforced hydroxyapatite with enhanced osteoblastic performance and antibacterial properties for bone tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5872-5881.	2.9	40
61	Multifunctional PLLA-ceramic fiber membranes for bone regeneration applications. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 101-110.	5.0	40
62	Innovative macroporous granules of nanostructured hydroxyapatite agglomerates: Bioactivity and osteoblast-like cell behaviour. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 891-900.	2.1	39
63	Are lithium niobate (LiNbO <sub>3</sub> ) and lithium tantalate (LiTaO <sub>3</sub> ) ferroelectrics bioactive?. <i>Materials Science and Engineering C</i> , 2014, 39, 395-402.	3.8	39
64	Relevance of the sterilization-induced effects on the properties of different hydroxyapatite nanoparticles and assessment of the osteoblastic cell response. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3397-3410.	1.5	38
65	Effects of Line and Pillar Array Microengineered SiO <sub>2</sub> Thin Films on the Osteogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells. <i>Langmuir</i> , 2016, 32, 1091-1100.	1.6	38
66	First insight on the impact of an osteoblastic layer on the bio-tribocorrosion performance of Ti6Al4V hip implants. <i>Acta Biomaterialia</i> , 2015, 12, 341-351.	4.1	37
67	Understanding intracellular trafficking and anti-inflammatory effects of minocycline chitosan-nanoparticles in human gingival fibroblasts for periodontal disease treatment. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118821.	2.6	37
68	Synthesis and Metabolism of Dopamine in the Kidney. <i>American Journal of Hypertension</i> , 1990, 3, 7S-10S.	1.0	36
69	Nanocrystalline Diamond as a Coating for Joint Implants: Cytotoxicity and Biocompatibility Assessment. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-9.	1.5	36
70	The biomaterial-mediated healing of critical size bone defects in the ovariectomized rat. <i>Osteoporosis International</i> , 2014, 25, 1535-1545.	1.3	36
71	Citrate zinc hydroxyapatite nanorods with enhanced cytocompatibility and osteogenesis for bone regeneration. <i>Materials Science and Engineering C</i> , 2020, 115, 111147.	3.8	35
72	Influence of apple phytochemicals in ZnO nanoparticles formation, photoluminescence and biocompatibility for biomedical applications. <i>Materials Science and Engineering C</i> , 2019, 101, 76-87.	3.8	34

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73	The two faces of titanium dioxide nanoparticles bio-camouflage in 3D bone spheroids. Scientific Reports, 2019, 9, 9309.	1.6	33
74	Surface topography modulates the osteogenesis in human bone marrow cell cultures grown on titanium samples prepared by a combination of mechanical and acid treatments. Journal of Materials Science: Materials in Medicine, 2002, 13, 421-432.	1.7	32
75	Proliferation and mineralization of bone marrow cells cultured on macroporous hydroxyapatite scaffolds functionalized with collagen type I for bone tissue regeneration. Journal of Biomedical Materials Research - Part A, 2010, 95A, 1-8.	2.1	32
76	Dental stem cells for craniofacial tissue engineering. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2012, 113, 728-733.	0.2	32
77	<i>Equisetum arvense</i> hydromethanolic extracts in bone tissue regeneration: <i>in vitro</i> osteoblastic modulation and antibacterial activity. Cell Proliferation, 2012, 45, 386-396.	2.4	32
78	Modulation of human osteoclastogenesis and osteoblastogenesis by lycopene. Journal of Nutritional Biochemistry, 2018, 57, 26-34.	1.9	32
79	Cytotoxicity of denture adhesives. Clinical Oral Investigations, 2011, 15, 885-893.	1.4	31
80	Sodium dependence and ouabain sensitivity of the synthesis of dopamine in renal tissues of the rat. British Journal of Pharmacology, 1992, 105, 811-816.	2.7	30
81	Spontaneous and induced osteoclastogenic behaviour of human peripheral blood mononuclear cells and their CD14+ and CD14 <sup>+</sup> cell fractions. Cell Proliferation, 2011, 44, 410-419.	2.4	29
82	Reciprocal osteoblastic and osteoclastic modulation in co-cultured MG63 osteosarcoma cells and human osteoclast precursors. Journal of Cellular Biochemistry, 2011, 112, 3704-3713.	1.2	29
83	Osteoblastic cells colonization inside beta-TCP macroporous structures obtained by ice-templating. Journal of the European Ceramic Society, 2016, 36, 2895-2901.	2.8	29
84	Porous tantalum oxide with osteoconductive elements and antibacterial core-shell nanoparticles: A new generation of materials for dental implants. Materials Science and Engineering C, 2021, 120, 111761.	3.8	29
85	Deamination of newly formed dopamine in rat renal tissues. British Journal of Pharmacology, 1991, 102, 778-782.	2.7	28
86	Decreased consumption of Ca and P during <i>in vitro</i> biomineralization and biologically induced deposition of Ni and Cr in presence of stainless steel corrosion products. , 1998, 42, 199-212.		28
87	Modulation of human dermal microvascular endothelial cell and human gingival fibroblast behavior by micropatterned silica coating surfaces for zirconia dental implant applications. Science and Technology of Advanced Materials, 2014, 15, 025001.	2.8	28
88	Development of hydroxyapatite nanoparticles loaded with folic acid to induce osteoblastic differentiation. International Journal of Pharmaceutics, 2017, 516, 185-195.	2.6	28
89	Proliferation/differentiation of osteoblastic human alveolar bone cell cultures in the presence of stainless steel corrosion products. , 2000, 11, 141-153.		27
90	Gold-dotted hydroxyapatite nanoparticles as multifunctional platforms for medical applications. RSC Advances, 2015, 5, 69184-69195.	1.7	27

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91	Vascular biosafety of commercial hydroxyapatite particles: discrepancy between blood compatibility assays and endothelial cell behavior. <i>Journal of Nanobiotechnology</i> , 2018, 16, 27.	4.2	27
92	Assessment of renal dopaminergic system activity during cyclosporine A administration in the rat. <i>British Journal of Pharmacology</i> , 1995, 115, 1349-1358.	2.7	26
93	Diels-Alder functionalized carbon nanotubes for bone tissue engineering: in vitro/in vivo biocompatibility and biodegradability. <i>Nanoscale</i> , 2015, 7, 9238-9251.	2.8	26
94	Antibacterial effect and biocompatibility of a novel nanostructured ZnO-coated gutta-percha cone for improved endodontic treatment. <i>Materials Science and Engineering C</i> , 2018, 92, 840-848.	3.8	26
95	Photobiomodulation is associated with a decrease in cell viability and migration in oral squamous cell carcinoma. <i>Lasers in Medical Science</i> , 2019, 34, 629-636.	1.0	26
96	Molecular and Cellular Aspects of Socket Healing in the Absence and Presence of Graft Materials and Autologous Platelet Concentrates: a Focused Review. <i>Journal of Oral &amp; Maxillofacial Research</i> , 2019, 10, e2.	0.3	26
97	HA and double-layer HA-P2O5/CaO glass coatings: influence of chemical composition on human bone marrow cells osteoblastic behavior. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 629-638.	1.7	25
98	Characterization and preliminary <i>in vivo</i> evaluation of a novel modified hydroxyapatite produced by extrusion and spheronization techniques. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 99B, 170-179.	1.6	25
99	Bone Anabolic Effects of Soluble Si: <i>In Vitro</i> Studies with Human Mesenchymal Stem Cells and CD14+ Osteoclast Precursors. <i>Stem Cells International</i> , 2016, 2016, 1-12.	1.2	25
100	Effects of MAO-A and MAO-B selective inhibitors Ro 41-1049 and Ro 19-6327 on the deamination of newly formed dopamine in the rat kidney. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1990, 255, 1309-13.	1.3	25
101	Studies on the role of sodium on the synthesis of dopamine in the rat kidney. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1993, 264, 406-14.	1.3	25
102	Mineralization in serially passaged human alveolar bone cells. <i>Journal of Materials Science: Materials in Medicine</i> , 1997, 8, 61-65.	1.7	24
103	New PMMA-co-EHA glass-filled composites for biomedical applications: Mechanical properties and bioactivity. <i>Acta Biomaterialia</i> , 2009, 5, 356-362.	4.1	24
104	Micropatterned silica thin films with nanohydroxyapatite micro-aggregates for guided tissue regeneration. <i>Dental Materials</i> , 2012, 28, 1250-1260.	1.6	24
105	Reciprocal induction of human dermal microvascular endothelial cells and human mesenchymal stem cells: time-dependent profile in a co-culture system. <i>Cell Proliferation</i> , 2012, 45, 320-334.	2.4	24
106	Bisphosphonates induce the osteogenic gene expression in co-cultured human endothelial and mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 27-37.	1.6	24
107	Silk fibroin/nanohydroxyapatite hydrogels for promoted bioactivity and osteoblastic proliferation and differentiation of human bone marrow stromal cells. <i>Materials Science and Engineering C</i> , 2018, 89, 336-345.	3.8	24
108	Effect of SiO <sub>2</sub> on amorphous phase separation of CaO-P <sub>2</sub> O <sub>5</sub> -SiO <sub>2</sub> -MgO glasses. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 59-63.	1.5	23

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109	Long-term effects of parathyroid hormone, 1,25-dihydroxyvitamin d3, and dexamethasone on the cell growth and functional activity of human osteogenic alveolar bone cell cultures. <i>Pharmacological Research</i> , 2000, 42, 345-353.	3.1	23
110	Surface Engineered Surgical Tools and Medical Devices. , 2007, , .		23
111	Behaviour of human osteoblastic cells cultured on plasma-sprayed titanium implants in the presence of nicotine. <i>Clinical Oral Implants Research</i> , 2008, 19, 582-589.	1.9	23
112	Protein adsorption on piezoelectric poly(L-lactic) acid thin films by scanning probe microscopy. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	23
113	Osteoclastogenic differentiation of human precursor cells over micro- and nanostructured hydroxyapatite topography. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 825-835.	1.1	23
114	Cytotoxicity in L929 fibroblasts and inhibition of herpes simplex virus type 1 Kupka by estuarine cyanobacteria extracts. <i>Toxicology in Vitro</i> , 2011, 25, 944-950.	1.1	22
115	Silicate and borate glasses as composite fillers: a bioactivity and biocompatibility study. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1501-1510.	1.7	22
116	In the trail of a new bio-sensor for measuring strain in bone: Osteoblastic biocompatibility. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4046-4052.	5.3	22
117	Diagnostic Approaches to Sjögren's Syndrome: a Literature Review and Own Clinical Experience. <i>Journal of Oral &amp; Maxillofacial Research</i> , 2012, 3, e3.	0.3	22
118	Cytotoxicity and antimicrobial action of selected phytochemicals against planktonic and sessile <i>Streptococcus mutans</i> . <i>PeerJ</i> , 2018, 6, e4872.	0.9	22
119	In vitro growth and differentiation of osteoblast-like human bone marrow cells on glass reinforced hydroxyapatite plasma-sprayed coatings. <i>Journal of Materials Science: Materials in Medicine</i> , 1999, 10, 567-576.	1.7	21
120	Acrylic formulations containing bioactive and biodegradable fillers to be used as bone cements: Properties and biocompatibility assessment. <i>Materials Science and Engineering C</i> , 2013, 33, 1289-1299.	3.8	21
121	Quantification of piroxicam and 5-hydroxy-piroxicam in human plasma and saliva using liquid chromatography-tandem mass spectrometry following oral administration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 120, 212-220.	1.4	21
122	A biocompatible hybrid material with simultaneous calcium and strontium release capability for bone tissue repair. <i>Materials Science and Engineering C</i> , 2016, 62, 429-438.	3.8	21
123	Effect of Stainless Steel Corrosion Products on in Vitro Biomineralization. <i>Journal of Biomaterials Applications</i> , 1999, 14, 113-168.	1.2	20
124	Characterisation of the osteoclastogenic potential of human osteoblastic and fibroblastic conditioned media. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 205-216.	1.2	20
125	Smart electroconductive bioactive ceramics to promote in situ electrostimulation of bone. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1831-1845.	2.9	20
126	Influence of PLLA/PCL/HA Scaffold Fiber Orientation on Mechanical Properties and Osteoblast Behavior. <i>Materials</i> , 2019, 12, 3879.	1.3	20



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127	Bone Cells Dynamics during Peri-Implantitis: a Theoretical Analysis. Journal of Oral & Maxillofacial Research, 2016, 7, e6.	0.3	20
128	Role of acid attack in the in vitro bioactivity of a glass-ceramic of the 3CaO·P <sub>2</sub> O <sub>5</sub> -CaO·SiO <sub>2</sub> -CaO·MgO·2SiO <sub>2</sub> system. Biomaterials, 2001, 22, 2013-2019.	5.7	19
129	Inhibition of human in vitro osteoclastogenesis by <i>Quisetum arvense</i> . Cell Proliferation, 2012, 45, 566-576.	2.4	19
130	Long-term Dose- and Time-dependent Effects of Endodontic Sealers in Human In Vitro Osteoclastogenesis. Journal of Endodontics, 2013, 39, 833-838.	1.4	19
131	Testing the variability of PSA expression by different human prostate cancer cell lines by means of a new potentiometric device employing molecularly antibody assembled on graphene surface. Materials Science and Engineering C, 2016, 59, 1069-1078.	3.8	19
132	A Novel Approach for Bisphosphonates: Ionic Liquids and Organic Salts from Zoledronic Acid. ChemMedChem, 2019, 14, 1767-1770.	1.6	19
133	Alendronic Acid as Ionic Liquid: New Perspective on Osteosarcoma. Pharmaceutics, 2020, 12, 293.	2.0	19
134	Platelet-Rich Fibrin in Bone Regenerative Strategies in Orthodontics: A Systematic Review. Materials, 2020, 13, 1866.	1.3	19
135	3D-printed platform multi-loaded with bioactive, magnetic nanoparticles and an antibiotic for re-growing bone tissue. International Journal of Pharmaceutics, 2021, 593, 120097.	2.6	19
136	Acute and Long-Term Effects of Hyperthermia in B16-F10 Melanoma Cells. PLoS ONE, 2012, 7, e35489.	1.1	19
137	Effect of human atrial natriuretic peptide on the synthesis of dopamine in the rat kidney. British Journal of Pharmacology, 1992, 105, 869-874.	2.7	18
138	Paracrine-mediated osteoclastogenesis by the osteosarcoma MG63 cell line: is RANKL/RANK signalling really important?. Clinical and Experimental Metastasis, 2011, 28, 505-514.	1.7	18
139	Response of Human Osteoblastic and Osteoclastic Cells to AH Plus and Pulp Canal Sealer Containing Quaternary Ammonium Polyethylenimine Nanoparticles. Journal of Endodontics, 2014, 40, 1149-1155.	1.4	18
140	Multifunctional Carbon Nanotube/Bioceramics Modulate the Directional Growth and Activity of Osteoblastic Cells. Journal of Biomedical Nanotechnology, 2014, 10, 725-743.	0.5	18
141	Antiproliferative Organic Salts Derived from Betulinic Acid: Disclosure of an Ionic Liquid Selective Against Lung and Liver Cancer Cells. ACS Omega, 2019, 4, 5682-5689.	1.6	18
142	Fabrication of a biodegradable and cytocompatible magnesium/nanohydroxyapatite/fluorapatite composite by upward friction stir processing for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 129, 105137.	1.5	18
143	A study on the renal synthesis of dopamine in aged rats. Acta Physiologica Scandinavica, 1991, 143, 287-293.	2.3	17
144	In vitro models of periodontal cells: a comparative study of long-term gingival, periodontal ligament and alveolar bone cell cultures in the presence of β-glycerophosphate and dexamethasone. Journal of Materials Science: Materials in Medicine, 2007, 18, 1079-1088.	1.7	17

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145	Degradation Studies and Biological Behavior on an Artificial Cornea Material. , 2011, 52, 4274.		17
146	Anti-sessile bacterial and cytocompatibility properties of CHX-loaded nanohydroxyapatite. Colloids and Surfaces B: Biointerfaces, 2015, 130, 305-314.	2.5	17
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