

Maria P. Ferraz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2525885/publications.pdf>

Version: 2024-02-01

52
papers

2,143
citations

236833

25
h-index

233338

45
g-index

54
all docs

54
docs citations

54
times ranked

3859
citing authors

#	ARTICLE	IF	CITATIONS
1	Infection of orthopedic implants with emphasis on bacterial adhesion process and techniques used in studying bacterial-material interactions. <i>Biomatter</i> , 2012, 2, 176-194.	2.6	598
2	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
3	Physical characterization of hydroxyapatite porous scaffolds for tissue engineering. <i>Materials Science and Engineering C</i> , 2009, 29, 1510-1514.	3.8	109
4	Development of silk fibroin/nanohydroxyapatite composite hydrogels for bone tissue engineering. <i>European Polymer Journal</i> , 2015, 67, 66-77.	2.6	82
5	Comparative study of nanohydroxyapatite microspheres for medical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 483-493.	2.1	67
6	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
7	Cationic liposome-DNA complexes as gene delivery vectors: Development and behaviour towards bone-like cells. <i>Acta Biomaterialia</i> , 2009, 5, 2142-2151.	4.1	54
8	Alginate-nanohydroxyapatite hydrogel system: Optimizing the formulation for enhanced bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 105, 109985.	3.8	53
9	Biocompatibility of highly macroporous ceramic scaffolds: cell adhesion and morphology studies. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 855-859.	1.7	50
10	CaO-P2O5 glass hydroxyapatite double-layer plasma-sprayed coating: <i>In vitro</i> bioactivity evaluation. , 1999, 45, 376-383.		48
11	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
12	Lytic bacteriophages against multidrug-resistant <i>Staphylococcus aureus</i> , <i>Enterococcus faecalis</i> and <i>Escherichia coli</i> isolates from orthopaedic implant-associated infections. <i>International Journal of Antimicrobial Agents</i> , 2019, 54, 329-337.	1.1	44
13	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
14	Effect of chemical composition on hydrophobicity and zeta potential of plasma sprayed HA/CaO-P2O5 glass coatings. <i>Biomaterials</i> , 2001, 22, 3105-3112.	5.7	41
15	Biological evaluation of alginate-based hydrogels, with antimicrobial features by Ce(III) incorporation, as vehicles for a bone substitute. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2145-2155.	1.7	40
16	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
17	<i>In vivo</i> evaluation of highly macroporous ceramic scaffolds for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 567-575.	2.1	38
18	Heparinized hydroxyapatite/collagen three-dimensional scaffolds for tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2385-2392.	1.7	34

#	ARTICLE	IF	CITATIONS
19	Proliferation and mineralization of bone marrow cells cultured on macroporous hydroxyapatite scaffolds functionalized with collagen type I for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 1-8.	2.1	32
20	<i>Equisetum arvense</i> hydromethanolic extracts in bone tissue regeneration: <i>in vitro</i> osteoblastic modulation and antibacterial activity. <i>Cell Proliferation</i> , 2012, 45, 386-396.	2.4	32
21	<i>In vitro</i> antimicrobial activity and biocompatibility of propolis containing nanohydroxyapatite. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 025004.	1.7	31
22	Flow cytometry analysis of the effects of pre-immersion on the biocompatibility of glass-reinforced hydroxyapatite plasma-sprayed coatings. <i>Biomaterials</i> , 2000, 21, 813-820.	5.7	29
23	The role of dialysis and freezing on structural conformation, thermal properties and morphology of silk fibroin hydrogels. <i>Biomatter</i> , 2014, 4, e28536.	2.6	28
24	Modulation of human dermal microvascular endothelial cell and human gingival fibroblast behavior by micropatterned silica coating surfaces for zirconia dental implant applications. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 025001.	2.8	28
25	<i>In vitro</i> analysis of the antibacterial effect of nanohydroxyapatite-ZnO composites. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3726-3733.	2.1	28
26	Flow cytometry analysis of effects of glass on response of osteosarcoma cells to plasma-sprayed hydroxyapatite/CaO-P2O5 coatings. <i>Journal of Biomedical Materials Research Part B</i> , 1999, 47, 603-611.	3.0	25
27	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
28	Micropatterned silica thin films with nanohydroxyapatite micro-aggregates for guided tissue regeneration. <i>Dental Materials</i> , 2012, 28, 1250-1260.	1.6	24
29	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
30	<i>In vitro</i> 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
31	Phase Behaviour and Miscibility Studies of Collagen/Silk Fibroin Macromolecular System in Dilute Solutions and Solid State. <i>Molecules</i> , 2017, 22, 1368.	1.7	21
32	<i>Staphylococcus aureus</i> and <i>Escherichia coli</i> dual-species biofilms on nanohydroxyapatite loaded with CHX or ZnO nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 491-497.	2.1	19
33	Influence of nanohydroxyapatite surface properties on <i>Staphylococcus epidermidis</i> biofilm formation. <i>Journal of Biomaterials Applications</i> , 2014, 28, 1325-1335.	1.2	18
34	Indoor Air Quality in Elderly Centers: Pollutants Emission and Health Effects. <i>Environments - MDPI</i> , 2022, 9, 86.	1.5	18
35	Degradation Studies and Biological Behavior on an Artificial Cornea Material. , 2011, 52, 4274.		17
36	Anti-sessile bacterial and cytocompatibility properties of CHX-loaded nanohydroxyapatite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 130, 305-314.	2.5	17

#	ARTICLE	IF	CITATIONS
37	Adhesion of <i>Staphylococcus aureus</i> , <i>Staphylococcus epidermidis</i> , and <i>Pseudomonas aeruginosa</i> onto nanohydroxyapatite as a bone regeneration material. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1823-1830.	2.1	16
38	Urban Lifestyles and Consumption Patterns. <i>Encyclopedia of the UN Sustainable Development Goals</i> , 2020, , 851-860.	0.0	16
39	Laser surface treatment of hydroxyapatite for enhanced tissue integration: Surface characterization and osteoblastic interaction studies. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 920-929.	2.1	15
40	PLD bioactive ceramic films: the influence of CaO-P ₂ O ₅ glass additions to hydroxyapatite on the proliferation and morphology of osteoblastic like-cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1775-1785.	1.7	15
41	Supplementation of collagen scaffolds with SPARC to facilitate mineralization. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 862-870.	1.6	13
42	Measuring Health Vulnerability: An Interdisciplinary Indicator Applied to Mainland Portugal. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4121.	1.2	12
43	<i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> adhesion to nanohydroxyapatite in the presence of model proteins. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 045010.	1.7	10
44	Inhibitory Effect of 5-Aminoimidazole-4-Carbohydrazonamides Derivatives Against <i>Candida</i> spp. Biofilm on Nanohydroxyapatite Substrate. <i>Mycopathologia</i> , 2019, 184, 775-786.	1.3	7
45	Detection of <i>Staphylococcus aureus</i> (MRSA/MSSA) in surfaces of dental medicine equipment. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1003-1008.	1.8	6
46	A modular reactor to simulate biofilm development in orthopedic materials. <i>International Microbiology</i> , 2013, 16, 191-8.	1.1	6
47	Biomaterials for Ophthalmic Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5886.	1.3	6
48	Prevalence of antibiotic (β -lactams, tetracycline, metronidazole, erythromycin) resistance genes in periodontic infections. <i>Clinical Research and Trials</i> , 2019, 5, .	0.1	5
49	The influence of social and economic environment on health. , 2022, , 205-229.		4
50	Microanalysis of Bioactive Samarium Doped Glass-Reinforced Hydroxyapatite. <i>Microscopy and Microanalysis</i> , 2015, 21, 31-32.	0.2	3
51	Identification of Nasal Carriage of <i>Staphylococcus aureus</i> among Nursing Students during Curricular Clinical Internships: An Observational Study. <i>Integrative Journal of Medical Sciences</i> , 0, 8, .	0.0	2
52	Health Monitoring and Intervention Plan on Oil Industry Workers: Results from a Case-Study. <i>Studies in Systems, Decision and Control</i> , 2020, , 265-274.	0.8	1