Fernanda R. Marciano

List of Publications by Year
in descending order

102	2,201	236612	301761
papers	citations	25 h-index	39 g-index

108	108	108	3049
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rotary Jet-Spun Polycaprolactone/Hydroxyapatite and Carbon Nanotube Scaffolds Seeded with Bone Marrow Mesenchymal Stem Cells Increase Bone Neoformation. ACS Applied Bio Materials, 2022, 5, 1013-1024.	2.3	8
2	Catalyst-Free Click Chemistry for Engineering Chondroitin Sulfate-Multiarmed PEG Hydrogels for Skin Tissue Engineering. Journal of Functional Biomaterials, 2022, 13, 45.	1.8	5
3	Characterization of Optimized TiO2 Nanotubes Morphology for Medical Implants: Biological Activity and Corrosion Resistance. International Journal of Nanomedicine, 2021, Volume 16, 667-682.	3.3	13
4	Biomineralization inspired engineering of nanobiomaterials promoting bone repair. Materials Science and Engineering C, 2021, 120, 111776.	3.8	18
5	Engineering multifunctional bactericidal nanofibers for abdominal hernia repair. Communications Biology, 2021, 4, 233.	2.0	19
6	Electrospun Poly(butylene-adipate-co-terephthalate)/Nano-hyDroxyapatite/Graphene Nanoribbon Scaffolds Improved the In Vivo Osteogenesis of the Neoformed Bone. Journal of Functional Biomaterials, 2021, 12, 11.	1.8	13
7	Survival and Proliferation under Severely Hypoxic Microenvironments Using Cell-Laden Oxygenating Hydrogels. Journal of Functional Biomaterials, 2021, 12, 30.	1.8	7
8	Bioactivity of an Experimental Dental Implant with Anodized Surface. Journal of Functional Biomaterials, 2021, 12, 39.	1.8	2
9	In vivo biocompatibility of diamond-like carbon films containing TiO2 nanoparticles for biomedical applications. Journal of Materials Science: Materials in Medicine, 2021, 32, 117.	1.7	21
10	Oxygen-generating microparticles in chondrocytes-laden hydrogels by facile and versatile click chemistry strategy. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111850.	2.5	16
11	Hybrid chitosan/amniotic membrane-based hydrogels for articular cartilage tissue engineering application. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 961-970.	1.8	14
12	Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102143.	1.7	47
13	Raman spectroscopy-multivariate analysis related to morphological surface features on nanomaterials applied for dentin coverage. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117818.	2.0	5
14	Electrodeposition of bactericidal and bioactive nano-hydroxyapatite onto electrospun piezoelectric polyvinylidene fluoride scaffolds. Journal of Materials Research, 2020, 35, 3265-3275.	1.2	13
15	Rotary-jet spun polycaprolactone/nano-hydroxyapatite scaffolds modified by simulated body fluid influenced the flexural mode of the neoformed bone. Journal of Materials Science: Materials in Medicine, 2020, 31, 72.	1.7	9
16	Morphological analysis of the TiN thin film deposited by CCPN technique. Journal of Materials Research and Technology, 2020, 9, 13945-13955.	2.6	12
17	Oxygen-generating smart hydrogels supporting chondrocytes survival in oxygen-free environments. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111192.	2.5	24
18	Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications . International Journal of Nanomedicine, 2020, Volume 15, 1173-1186.	3.3	14

#	Article	IF	Citations
19	Printing 3D Hydrogel Structures Employing Low-Cost Stereolithography Technology. Journal of Functional Biomaterials, 2020, 11, 12.	1.8	25
20	DeposiÃ§Ã£o de filmes carbonosos em aÃ§o AISI D6 atravÃ©s da tÃ©cnica de gaiola catÃ³dica. Revista Materia, 2020, 25, .	0.1	0
21	Decontamination of mobile phones and electronic devices for health care professionals using a chlorhexidine/carbomer 940Â® gel. Frontiers of Chemical Science and Engineering, 2019, 13, 192-198.	2.3	3
22	In vitro osteogenesis process induced by hybrid nanohydroxyapatite/graphene nanoribbons composites. Journal of Materials Science: Materials in Medicine, 2019, 30, 81.	1.7	7
23	Characterization and in vitro and in vivo assessment of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (adipate-co Journal of Polymer Research, 2019, 26, 1.	1.2	27
24	In vitro and in vivo evaluation of rotary-jet-spun poly(É›-caprolactone) with high loading of nano-hydroxyapatite. Journal of Materials Science: Materials in Medicine, 2019, 30, 19.	1.7	15
25	Dual effective core-shell electrospun scaffolds: Promoting osteoblast maturation and reducing bacteria activity. Materials Science and Engineering C, 2019, 103, 109778.	3.8	16
26	In Vivo Evaluation of the Genotoxic Effects of Poly (Butylene adipate-co-terephthalate)/Polypyrrole with Nanohydroxyapatite Scaffolds for Bone Regeneration. Materials, 2019, 12, 1330.	1.3	14
27	Cell Viability of Porous Poly(d,l-lactic acid)/Vertically Aligned Carbon Nanotubes/Nanohydroxyapatite Scaffolds for Osteochondral Tissue Engineering. Materials, 2019, 12, 849.	1.3	18
28	Biological response of chemically treated surface of the ultrafine-grained Ti–6Al–7Nb alloy for biomedical applications . International Journal of Nanomedicine, 2019, Volume 14, 1725-1736.	3.3	19
29	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. Advanced Healthcare Materials, 2019, 8, e1900158.	3.9	36
30	High loads of nano-hydroxyapatite/graphene nanoribbon composites guided bone regeneration using an osteoporotic animal model . International Journal of Nanomedicine, 2019, Volume 14, 865-874.	3.3	20
31	Atomic Layer Deposited TiO2 and Al2O3 Thin Films as Coatings for Aluminum Food Packaging Application. Materials, 2019, 12, 682.	1.3	30
32	Electrospun Nanofibrous Poly (Lactic Acid)/Titanium Dioxide Nanocomposite Membranes for Cutaneous Scar Minimization. Frontiers in Bioengineering and Biotechnology, 2019, 7, 421.	2.0	10
33	Rotary jet-spun porous microfibers as scaffolds for stem cells delivery to central nervous system injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 15, 98-107.	1.7	19
34	Nanohydroxyapatite/Graphene Nanoribbons Nanocomposites Induce in Vitro Osteogenesis and Promote in Vivo Bone Neoformation. ACS Biomaterials Science and Engineering, 2018, 4, 1580-1590.	2.6	23
35	TiO2 anti-corrosive thin films on duplex stainless steel grown using cathodic cage plasma deposition. Surface and Coatings Technology, 2018, 347, 136-141.	2.2	15
36	Electrospun nanofiber blend with improved mechanical and biological performance. International Journal of Nanomedicine, 2018, Volume 13, 7891-7903.	3.3	63

#	Article	IF	Citations
37	Understanding the impact of crosslinked PCL/PEG/GelMA electrospun nanofibers on bactericidal activity. PLoS ONE, 2018, 13, e0209386.	1.1	26
38	Surface characteristics of a modified acidulated phosphate fluoride gel with nanoâ€hydroxyapatite coating applied on bovine enamel subjected to an erosive environment. Microscopy Research and Technique, 2018, 81, 1456-1466.	1.2	11
39	Poly(Lactic Acid) Fine Fibers Containing a Low Content of Superhydrophilic Multiâ€Walled Carbon Nanotube Graphene Oxide Hybrid as Scaffolds for Biological Applications. Macromolecular Materials and Engineering, 2018, 303, 1800317.	1.7	9
40	Carbon Nanomaterials for Treating Osteoporotic Vertebral Fractures. Current Osteoporosis Reports, 2018, 16, 626-634.	1.5	10
41	Polypyrrole increases branching and neurite extension by Neuro2A cells on PBAT ultrathin fibers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1753-1763.	1.7	19
42	In Vitro Osteogenesis Stimulation via Nano-Hydroxyapatite/Carbon Nanotube Thin Films on Biomedical Stainless Steel. Materials, 2018, 11, 1555.	1.3	16
43	On the design and properties of scaffolds based on vertically aligned carbon nanotubes transferred onto electrospun poly (lactic acid) fibers. Materials and Design, 2017, 127, 183-192.	3.3	15
44	Multi-walled carbon nanotubes/graphene oxide hybrid and nanohydroxyapatite composite: A novel coating to prevent dentin erosion. Materials Science and Engineering C, 2017, 79, 199-208.	3.8	27
45	Electrospun ultrathin PBAT/nHAp fibers influenced the in vitro and in vivo osteogenesis and improved the mechanical properties of neoformed bone. Colloids and Surfaces B: Biointerfaces, 2017, 155, 544-552.	2.5	61
46	A Novel Bioresorbable Device as a Controlled Release System for Protecting Cells from Oxidative Stress from Alzheimerâ€™s Disease. Molecular Neurobiology, 2017, 54, 6827-6838.	1.9	13
47	PDLLA honeycomb-like scaffolds with a high loading of superhydrophilic graphene/multi-walled carbon nanotubes promote osteoblast in vitro functions and guided in vivo bone regeneration. Materials Science and Engineering C, 2017, 73, 31-39.	3.8	42
48	The Influence of Titanium Dioxide on Diamond-Like Carbon Biocompatibility for Dental Applications. Journal of Nanomaterials, 2016, 2016, 1-7.	1.5	11
49	Graphene oxide/multi-walled carbon nanotubes as nanofeatured scaffolds for the assisted deposition of nanohydroxyapatite: characterization and biological evaluation. International Journal of Nanomedicine, 2016, 11, 2569.	3.3	20
50	High loading of graphene oxide/multi-walled carbon nanotubes into PDLLA: A route towards the design of osteoconductive, bactericidal and non-immunogenic 3D porous scaffolds. Materials Chemistry and Physics, 2016, 177, 56-66.	2.0	12
51	Magnetic super-hydrophilic carbon nanotubes/graphene oxide composite as nanocarriers of mesenchymal stem cells: Insights into the time and dose dependences. Materials Science and Engineering C, 2016, 67, 694-701.	3.8	9
52	Designing a novel nanocomposite for bone tissue engineering using electrospun conductive PBAT/polypyrrole as a scaffold to direct nanohydroxyapatite electrodeposition. RSC Advances, 2016, 6, 32615-32623.	1.7	63
53	Influence of low contents of superhydrophilic MWCNT on the properties and cell viability of electrospun poly (butylene adipate-co-terephthalate) fibers. Materials Science and Engineering C, 2016, 59, 782-791.	3.8	88
54	Bioactivity behaviour of nano-hydroxyapatite/freestanding aligned carbon nanotube oxide composite. Journal of Materials Science: Materials in Medicine, 2015, 26, 113.	1.7	11

#	Article	IF	Citations
55	Effect of gold oxide incorporation on electrochemical corrosion resistance of diamond-like carbon. Diamond and Related Materials, 2015, 53, 40-44.	1.8	12
56	In Vitro and in Vivo Studies of Novel Poly(<scp>d</scp>,<scp>l</scp>-lactic acid), Superhydrophilic Carbon Nanotubes, and Nanohydroxyapatite Scaffolds for Bone Regeneration. ACS Applied Materials & Interfaces, 2015, 7, 9385-9398.	4.0	57
57	Micro energy-dispersive x-ray fluorescence spectrometry study of dentin coating with nanobiomaterials. , 2015, , .		0
58	Photodynamic therapy in the cattle protozoan Tritrichomonas foetus cultivated on superhydrophilic carbon nanotube. Materials Science and Engineering C, 2014, 36, 180-186.	3.8	11
59	Graphene and carbon nanotube composite enabling a new prospective treatment for trichomoniasis disease. Materials Science and Engineering C, 2014, 41, 65-69.	3.8	20
60	Oxygen Plasma Exfoliated Vertically-Aligned Carbon Nanotubes as Electrodes for Ultrasensitive Stripping Detection of Pb2+. Journal of the Electrochemical Society, 2014, 161, H321-H325.	1.3	12
61	Fast preparation of free-standing nanohydroxyapatiteâ€“vertically aligned carbon nanotube scaffolds. Journal of Materials Chemistry B, 2014, 2, 1196.	2.9	28
62	THERMAL STABILITY STUDY OF DIAMOND-LIKE CARBON FILMS CONTAINING CRYSTALLINE DIAMOND NANOPARTICLES. Revista UniVap, 2014, 20, 183.	0.1	0
63	In vitro and in vivo studies of a novel nanohydroxyapatite/superhydrophilic vertically aligned carbon nanotube nanocomposites. Journal of Materials Science: Materials in Medicine, 2013, 24, 1723-1732.	1.7	18
64	Fast preparation of nano-hydroxyapatite/superhydrophilic reduced graphene oxide composites for bioactive applications. Journal of Materials Chemistry B, 2013, 1, 4947.	2.9	58
65	Comparative study of the tribological behavior under hybrid lubrication of diamond-like carbon films with different adhesion interfaces. Applied Surface Science, 2013, 285, 645-648.	3.1	12
66	Cell viability and adhesion on diamond-like carbon films containing titanium dioxide nanoparticles. Applied Surface Science, 2013, 266, 176-181.	3.1	31
67	Effect of ultrasound irradiation on the production of nHAp/MWCNT nanocomposites. Materials Science and Engineering C, 2013, 33, 4305-4312.	3.8	38
68	Morphological analysis and cell viability on diamond-like carbon films containing nanocrystalline diamond particles. Applied Surface Science, 2013, 275, 258-263.	3.1	8
69	The effect of ultrasonic irradiation on the crystallinity of nano-hydroxyapatite produced via the wet chemical method. Materials Science and Engineering C, 2013, 33, 2620-2625.	3.8	45
70	An evaluation of chondrocyte morphology and gene expression on superhydrophilic vertically-aligned multi-walled carbon nanotube films. Materials Science and Engineering C, 2013, 33, 641-647.	3.8	22
71	Calcification in vitro of biomineralizated nanohydroxyapatite/superydrophilic vertically aligned multiwalled carbon nanotube scaffolds. Materials Research, 2013, 16, 614-618.	0.6	5
72	In vitro biomineralization of a novel hydroxyapatite/superhydrophilic multiwalled carbon nanotube nanocomposite using simulated body fluids. Materials Research, 2013, 16, 650-654.	0.6	0

#	Article	IF	Citations
73	Proposed model for biomineralization of novel nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. Materials Research, 2013, 16, 661-667.	0.6	0
74	Correlation and Comparison Between Thermodynamic Aspects and Cytocompatibility of Cells on Superhydrophobic and Superhydrophilic Vertically Aligned Carbon Nanotubes. Current Physical Chemistry, 2013, 3, 155-165.	0.1	2
75	Characterization and bioactivity study of nanohydroxyapatite on superhydrophilic vertically aligned carbon nanotubes using optical techniques. Proceedings of SPIE, 2012, , .	0.8	1
76	Biomineralization of Superhydrophilic Vertically Aligned Carbon Nanotubes. Langmuir, 2012, 28, 4413-4424.	1.6	28
77	Fast functionalization of vertically aligned multiwalled carbon nanotubes using oxygen plasma. Materials Letters, 2012, 70, 89-93.	1.3	87
78	Efficient method to produce biomineralizated nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. Materials Letters, 2012, 79, 166-169.	1.3	8
79	INFLUENCE OF THE SILICON INTERLAYER ON DIAMOND-LIKE CARBON FILMS DEPOSITED ON GLASS SUBSTRATES. Revista UniVap, 2012, 18, 112.	0.1	0
80	Enhanced DLC wear performance by the presence of lubricant additives. Materials Research, 2011, 14, 222-226.	0.6	14
81	Tribological behavior under aggressive environment of diamond-like carbon films with incorporated nanocrystalline diamond particles. Surface and Coatings Technology, 2011, 206, 434-439.	2.2	11
82	Tritrichomonas foetus adhere to superhydrophilic vertically aligned multi-walled carbon nanotube surface. Materials Science and Engineering C, 2011, 31, 1614-1617.	3.8	4
83	Increasing mouse embryonic fibroblast cells adhesion on superhydrophilic vertically aligned carbon nanotube films. Materials Science and Engineering C, 2011, 31, 1505-1511.	3.8	24
84	Proposed model for growth preference of plate-like nanohydroxyapatite crystals on superhydrophilic vertically aligned carbon nanotubes by electrodeposition. Theoretical Chemistry Accounts, 2011, 130, 1071-1082.	0.5	13
85	Thermodynamic aspects of fibroblastic spreading on diamond-like carbon films containing titanium dioxide nanoparticles. Theoretical Chemistry Accounts, 2011, 130, 1085-1093.	0.5	11
86	Influence of crystalline diamond nanoparticles on diamond-like carbon friction behavior. Applied Surface Science, 2011, 257, 7387-7393.	3.1	11
87	Investigation into the antibacterial property and bacterial adhesion of diamond-like carbon films. Vacuum, 2011, 85, 662-666.	1.6	33
88	Tribological effect of iron oxide residual on the DLC film surface under seawater and saline solutions. Surface Science, 2011, 605, 783-787.	0.8	15
89	Antibacterial activity of fluorinated diamond-like carbon films produced by PECVD. Surface and Coatings Technology, 2010, 204, 2986-2990.	2.2	38
90	Improvement of diamond-like carbon electrochemical corrosion resistance by addition of nanocrystalline diamond. Journal of Colloid and Interface Science, 2010, 342, 636-637.	5.0	9

#	Article	IF	Citations
91	Crystalline diamond particles into diamond-like carbon films: The influence of the particle sizes on the electrochemical corrosion resistance. Surface and Coatings Technology, 2010, 204, 2600-2604.	2.2	13
92	Improvement of DLC electrochemical corrosion resistance by addiction of fluorine. Diamond and Related Materials, 2010, 19, 537-540.	1.8	46
93	Characterization of crystalline diamond incorporated diamond-like carbon films. Diamond and Related Materials, 2010, 19, 1139-1143.	1.8	15
94	Use of near atmospheric pressure and low pressure techniques to modification DLC film surface. Surface and Coatings Technology, 2009, 204, 64-68.	2.2	16
95	Oxygen plasma etching of silver-incorporated diamond-like carbon films. Thin Solid Films, 2009, 517, 5739-5742.	0.8	16
96	Antibacterial activity of DLC films containing TiO2 nanoparticles. Journal of Colloid and Interface Science, 2009, 340, 87-92.	5.0	104
97	Wettability and antibacterial activity of modified diamond-like carbon films. Applied Surface Science, 2009, 255, 8377-8382.	3.1	38
98	Diamond-like carbon films produced from high deposition rates exhibit antibacterial activity. Synthetic Metals, 2009, 159, 2167-2169.	2.1	19
99	Antibacterial activity of DLC and Agâ€“DLC films produced by PECVD technique. Diamond and Related Materials, 2009, 18, 1010-1014.	1.8	104
100	The improvement of DLC film lifetime using silver nanoparticles for use on space devices. Diamond and Related Materials, 2008, 17, 1674-1679.	1.8	41
101	Photoacoustic monitoring of the absorption of isotonic saline solution by human mucus. Medical Engineering and Physics, 2007, 29, 980-983.	0.8	6
102	In vivo evaluation of drug delivery after ultrasound application: A new use for the photoacoustic technique. European Physical Journal Special Topics, 2005, 125, 789-791.	0.2	7