

Fernanda R. Marciano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1312519/publications.pdf>

Version: 2024-02-01

102
papers

2,201
citations

236612

25
h-index

301761

39
g-index

108
all docs

108
docs citations

108
times ranked

3049
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial activity of DLC films containing TiO ₂ nanoparticles. Journal of Colloid and Interface Science, 2009, 340, 87-92.	5.0	104
2	Antibacterial activity of DLC and Ag@DLC films produced by PECVD technique. Diamond and Related Materials, 2009, 18, 1010-1014.	1.8	104
3	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
4	Fast functionalization of vertically aligned multiwalled carbon nanotubes using oxygen plasma. Materials Letters, 2012, 70, 89-93.	1.3	87
5	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
6	Electrospun nanofiber blend with improved mechanical and biological performance. International Journal of Nanomedicine, 2018, Volume 13, 7891-7903.	3.3	63
7	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
8	Fast preparation of nano-hydroxyapatite/superhydrophilic reduced graphene oxide composites for bioactive applications. Journal of Materials Chemistry B, 2013, 1, 4947.	2.9	58
9	In Vitro and In Vivo Studies of Novel Poly(D,L-lactic acid), Superhydrophilic Carbon Nanotubes, and Nanohydroxyapatite Scaffolds for Bone Regeneration. ACS Applied Materials & Interfaces, 2015, 7, 9385-9398.	4.0	57
10	Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102143.	1.7	47
11	Improvement of DLC electrochemical corrosion resistance by addition of fluorine. Diamond and Related Materials, 2010, 19, 537-540.	1.8	46
12	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
13	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
14	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
15	Wettability and antibacterial activity of modified diamond-like carbon films. Applied Surface Science, 2009, 255, 8377-8382.	3.1	38
16	Antibacterial activity of fluorinated diamond-like carbon films produced by PECVD. Surface and Coatings Technology, 2010, 204, 2986-2990.	2.2	38
17	Effect of ultrasound irradiation on the production of nHAp/MWCNT nanocomposites. Materials Science and Engineering C, 2013, 33, 4305-4312.	3.8	38
18	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. Advanced Healthcare Materials, 2019, 8, e1900158.	3.9	36

#	ARTICLE	IF	CITATIONS
19	Investigation into the antibacterial property and bacterial adhesion of diamond-like carbon films. <i>Vacuum</i> , 2011, 85, 662-666.	1.6	33
20	Cell viability and adhesion on diamond-like carbon films containing titanium dioxide nanoparticles. <i>Applied Surface Science</i> , 2013, 266, 176-181.	3.1	31
21	Atomic Layer Deposited TiO ₂ and Al ₂ O ₃ Thin Films as Coatings for Aluminum Food Packaging Application. <i>Materials</i> , 2019, 12, 682.	1.3	30
22	Biom mineralization of Superhydrophilic Vertically Aligned Carbon Nanotubes. <i>Langmuir</i> , 2012, 28, 4413-4424.	1.6	28
23	Fast preparation of free-standing nanohydroxyapatite vertically aligned carbon nanotube scaffolds. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1196.	2.9	28
24	Multi-walled carbon nanotubes/graphene oxide hybrid and nanohydroxyapatite composite: A novel coating to prevent dentin erosion. <i>Materials Science and Engineering C</i> , 2017, 79, 199-208.	3.8	27
25	Characterization and in vitro and in vivo assessment of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (adipate- Journal of Polymer Research, 2019, 26, 1.	1.2	27
26	Understanding the impact of crosslinked PCL/PEG/GelMA electrospun nanofibers on bactericidal activity. <i>PLoS ONE</i> , 2018, 13, e0209386.	1.1	26
27	Printing 3D Hydrogel Structures Employing Low-Cost Stereolithography Technology. <i>Journal of Functional Biomaterials</i> , 2020, 11, 12.	1.8	25
28	Increasing mouse embryonic fibroblast cells adhesion on superhydrophilic vertically aligned carbon nanotube films. <i>Materials Science and Engineering C</i> , 2011, 31, 1505-1511.	3.8	24
29	Oxygen-generating smart hydrogels supporting chondrocytes survival in oxygen-free environments. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111192.	2.5	24
30	Nanohydroxyapatite/Graphene Nanoribbons Nanocomposites Induce in Vitro Osteogenesis and Promote in Vivo Bone Neof ormation. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1580-1590.	2.6	23
31	An evaluation of chondrocyte morphology and gene expression on superhydrophilic vertically-aligned multi-walled carbon nanotube films. <i>Materials Science and Engineering C</i> , 2013, 33, 641-647.	3.8	22
32	In vivo biocompatibility of diamond-like carbon films containing TiO ₂ nanoparticles for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 117.	1.7	21
33	Graphene and carbon nanotube composite enabling a new prospective treatment for trichomoniasis disease. <i>Materials Science and Engineering C</i> , 2014, 41, 65-69.	3.8	20
34	Graphene oxide/multi-walled carbon nanotubes as nanofeatured scaffolds for the assisted deposition of nanohydroxyapatite: characterization and biological evaluation. <i>International Journal of Nanomedicine</i> , 2016, 11, 2569.	3.3	20
35	<p>High loads of nano-hydroxyapatite/graphene nanoribbon composites guided bone regeneration using an osteoporotic animal model</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 865-874.	3.3	20
36	Diamond-like carbon films produced from high deposition rates exhibit antibacterial activity. <i>Synthetic Metals</i> , 2009, 159, 2167-2169.	2.1	19

#	ARTICLE	IF	CITATIONS
37	Polypyrrole increases branching and neurite extension by Neuro2A cells on PBAT ultrathin fibers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1753-1763.	1.7	19
38	<p>Biological response of chemically treated surface of the ultrafine-grained Ti–6Al–7Nb alloy for biomedical applications<p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1725-1736.	3.3	19
39	Rotary jet-spun porous microfibers as scaffolds for stem cells delivery to central nervous system injury. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 15, 98-107.	1.7	19
40	Engineering multifunctional bactericidal nanofibers for abdominal hernia repair. <i>Communications Biology</i> , 2021, 4, 233.	2.0	19
41	In vitro and in vivo studies of a novel nanohydroxyapatite/superhydrophilic vertically aligned carbon nanotube nanocomposites. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1723-1732.	1.7	18
42	Cell Viability of Porous Poly(d,l-lactic acid)/Vertically Aligned Carbon Nanotubes/Nanohydroxyapatite Scaffolds for Osteochondral Tissue Engineering. <i>Materials</i> , 2019, 12, 849.	1.3	18
43	Biom mineralization inspired engineering of nanobiomaterials promoting bone repair. <i>Materials Science and Engineering C</i> , 2021, 120, 111776.	3.8	18
44	Use of near atmospheric pressure and low pressure techniques to modification DLC film surface. <i>Surface and Coatings Technology</i> , 2009, 204, 64-68.	2.2	16
45	Oxygen plasma etching of silver-incorporated diamond-like carbon films. <i>Thin Solid Films</i> , 2009, 517, 5739-5742.	0.8	16
46	Dual effective core-shell electrospun scaffolds: Promoting osteoblast maturation and reducing bacteria activity. <i>Materials Science and Engineering C</i> , 2019, 103, 109778.	3.8	16
47	Oxygen-generating microparticles in chondrocytes-laden hydrogels by facile and versatile click chemistry strategy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111850.	2.5	16
48	In Vitro Osteogenesis Stimulation via Nano-Hydroxyapatite/Carbon Nanotube Thin Films on Biomedical Stainless Steel. <i>Materials</i> , 2018, 11, 1555.	1.3	16
49	Characterization of crystalline diamond incorporated diamond-like carbon films. <i>Diamond and Related Materials</i> , 2010, 19, 1139-1143.	1.8	15
50	Tribological effect of iron oxide residual on the DLC film surface under seawater and saline solutions. <i>Surface Science</i> , 2011, 605, 783-787.	0.8	15
51	On the design and properties of scaffolds based on vertically aligned carbon nanotubes transferred onto electrospun poly (lactic acid) fibers. <i>Materials and Design</i> , 2017, 127, 183-192.	3.3	15
52	TiO ₂ anti-corrosive thin films on duplex stainless steel grown using cathodic cage plasma deposition. <i>Surface and Coatings Technology</i> , 2018, 347, 136-141.	2.2	15
53	In vitro and in vivo evaluation of rotary-jet-spun poly(É-caprolactone) with high loading of nano-hydroxyapatite. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 19.	1.7	15
54	Enhanced DLC wear performance by the presence of lubricant additives. <i>Materials Research</i> , 2011, 14, 222-226.	0.6	14

#	ARTICLE	IF	CITATIONS
55	In Vivo Evaluation of the Genotoxic Effects of Poly (Butylene adipate-co-terephthalate)/Polypyrrole with Nanohydroxyapatite Scaffolds for Bone Regeneration. <i>Materials</i> , 2019, 12, 1330.	1.3	14
56	Hybrid chitosan/amniotic membrane-based hydrogels for articular cartilage tissue engineering application. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 961-970.	1.8	14
57	<p>Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1173-1186.	3.3	14
58	Crystalline diamond particles into diamond-like carbon films: The influence of the particle sizes on the electrochemical corrosion resistance. <i>Surface and Coatings Technology</i> , 2010, 204, 2600-2604.	2.2	13
59	Proposed model for growth preference of plate-like nanohydroxyapatite crystals on superhydrophilic vertically aligned carbon nanotubes by electrodeposition. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1071-1082.	0.5	13
60	A Novel Bioresorbable Device as a Controlled Release System for Protecting Cells from Oxidative Stress from Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2017, 54, 6827-6838.	1.9	13
61	Electrodeposition of bactericidal and bioactive nano-hydroxyapatite onto electrospun piezoelectric polyvinylidene fluoride scaffolds. <i>Journal of Materials Research</i> , 2020, 35, 3265-3275.	1.2	13
62	Characterization of Optimized TiO ₂ Nanotubes Morphology for Medical Implants: Biological Activity and Corrosion Resistance. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 667-682.	3.3	13
63	Electrospun Poly(butylene-adipate-co-terephthalate)/Nano-hydroxyapatite/Graphene Nanoribbon Scaffolds Improved the In Vivo Osteogenesis of the Neofomed Bone. <i>Journal of Functional Biomaterials</i> , 2021, 12, 11.	1.8	13
64	Comparative study of the tribological behavior under hybrid lubrication of diamond-like carbon films with different adhesion interfaces. <i>Applied Surface Science</i> , 2013, 285, 645-648.	3.1	12
65	Oxygen Plasma Exfoliated Vertically-Aligned Carbon Nanotubes as Electrodes for Ultrasensitive Stripping Detection of Pb ²⁺ . <i>Journal of the Electrochemical Society</i> , 2014, 161, H321-H325.	1.3	12
66	Effect of gold oxide incorporation on electrochemical corrosion resistance of diamond-like carbon. <i>Diamond and Related Materials</i> , 2015, 53, 40-44.	1.8	12
67	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. <i>Materials Chemistry and Physics</i> , 2016, 177, 56-66.	2.0	12
68	Morphological analysis of the TiN thin film deposited by CCPN technique. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13945-13955.	2.6	12
69	Tribological behavior under aggressive environment of diamond-like carbon films with incorporated nanocrystalline diamond particles. <i>Surface and Coatings Technology</i> , 2011, 206, 434-439.	2.2	11
70	Thermodynamic aspects of fibroblastic spreading on diamond-like carbon films containing titanium dioxide nanoparticles. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1085-1093.	0.5	11
71	Influence of crystalline diamond nanoparticles on diamond-like carbon friction behavior. <i>Applied Surface Science</i> , 2011, 257, 7387-7393.	3.1	11
72	Photodynamic therapy in the cattle protozoan <i>Trichomonas foetus</i> cultivated on superhydrophilic carbon nanotube. <i>Materials Science and Engineering C</i> , 2014, 36, 180-186.	3.8	11

#	ARTICLE	IF	CITATIONS
73	Bioactivity behaviour of nano-hydroxyapatite/freestanding aligned carbon nanotube oxide composite. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 113.	1.7	11
74	The Influence of Titanium Dioxide on Diamond-Like Carbon Biocompatibility for Dental Applications. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	1.5	11
75	Surface characteristics of a modified acidulated phosphate fluoride gel with nano-hydroxyapatite coating applied on bovine enamel subjected to an erosive environment. <i>Microscopy Research and Technique</i> , 2018, 81, 1456-1466.	1.2	11
76	Carbon Nanomaterials for Treating Osteoporotic Vertebral Fractures. <i>Current Osteoporosis Reports</i> , 2018, 16, 626-634.	1.5	10
77	Electrospun Nanofibrous Poly (Lactic Acid)/Titanium Dioxide Nanocomposite Membranes for Cutaneous Scar Minimization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 421.	2.0	10
78	Improvement of diamond-like carbon electrochemical corrosion resistance by addition of nanocrystalline diamond. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 636-637.	5.0	9
79	Magnetic super-hydrophilic carbon nanotubes/graphene oxide composite as nanocarriers of mesenchymal stem cells: Insights into the time and dose dependences. <i>Materials Science and Engineering C</i> , 2016, 67, 694-701.	3.8	9
80	Poly(Lactic Acid) Fine Fibers Containing a Low Content of Superhydrophilic Multi-Walled Carbon Nanotube Graphene Oxide Hybrid as Scaffolds for Biological Applications. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800317.	1.7	9
81	Rotary-jet spun polycaprolactone/nano-hydroxyapatite scaffolds modified by simulated body fluid influenced the flexural mode of the neoformed bone. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 72.	1.7	9
82	Efficient method to produce biomineralized nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Letters</i> , 2012, 79, 166-169.	1.3	8
83	Morphological analysis and cell viability on diamond-like carbon films containing nanocrystalline diamond particles. <i>Applied Surface Science</i> , 2013, 275, 258-263.	3.1	8
84	Rotary Jet-Spun Polycaprolactone/Hydroxyapatite and Carbon Nanotube Scaffolds Seeded with Bone Marrow Mesenchymal Stem Cells Increase Bone Neof ormation. <i>ACS Applied Bio Materials</i> , 2022, 5, 1013-1024.	2.3	8
85	In vivo evaluation of drug delivery after ultrasound application: A new use for the photoacoustic technique. <i>European Physical Journal Special Topics</i> , 2005, 125, 789-791.	0.2	7
86	In vitro osteogenesis process induced by hybrid nanohydroxyapatite/graphene nanoribbons composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 81.	1.7	7
87	Survival and Proliferation under Severely Hypoxic Microenvironments Using Cell-Laden Oxygenating Hydrogels. <i>Journal of Functional Biomaterials</i> , 2021, 12, 30.	1.8	7
88	Photoacoustic monitoring of the absorption of isotonic saline solution by human mucus. <i>Medical Engineering and Physics</i> , 2007, 29, 980-983.	0.8	6
89	Calcification in vitro of biomineralized nanohydroxyapatite/superhydrophilic vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Research</i> , 2013, 16, 614-618.	0.6	5
90	Raman spectroscopy-multivariate analysis related to morphological surface features on nanomaterials applied for dentin coverage. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117818.	2.0	5

#	ARTICLE	IF	CITATIONS
91	Catalyst-Free Click Chemistry for Engineering Chondroitin Sulfate-Multiarmed PEG Hydrogels for Skin Tissue Engineering. <i>Journal of Functional Biomaterials</i> , 2022, 13, 45.	1.8	5
92	<i>Trichomonas foetus</i> adhere to superhydrophilic vertically aligned multi-walled carbon nanotube surface. <i>Materials Science and Engineering C</i> , 2011, 31, 1614-1617.	3.8	4
93	Decontamination of mobile phones and electronic devices for health care professionals using a chlorhexidine/carbomer 940 [®] gel. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 192-198.	2.3	3
94	Bioactivity of an Experimental Dental Implant with Anodized Surface. <i>Journal of Functional Biomaterials</i> , 2021, 12, 39.	1.8	2
95	Correlation and Comparison Between Thermodynamic Aspects and Cytocompatibility of Cells on Superhydrophobic and Superhydrophilic Vertically Aligned Carbon Nanotubes. <i>Current Physical Chemistry</i> , 2013, 3, 155-165.	0.1	2
96	Characterization and bioactivity study of nanohydroxyapatite on superhydrophilic vertically aligned carbon nanotubes using optical techniques. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
97	In vitro biomineralization of a novel hydroxyapatite/superhydrophilic multiwalled carbon nanotube nanocomposite using simulated body fluids. <i>Materials Research</i> , 2013, 16, 650-654.	0.6	0
98	Proposed model for biomineralization of novel nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Research</i> , 2013, 16, 661-667.	0.6	0
99	Micro energy-dispersive x-ray fluorescence spectrometry study of dentin coating with nanobiomaterials. , 2015, , .		0
100	INFLUENCE OF THE SILICON INTERLAYER ON DIAMOND-LIKE CARBON FILMS DEPOSITED ON GLASS SUBSTRATES. <i>Revista UniVap</i> , 2012, 18, 112.	0.1	0
101	THERMAL STABILITY STUDY OF DIAMOND-LIKE CARBON FILMS CONTAINING CRYSTALLINE DIAMOND NANOPARTICLES. <i>Revista UniVap</i> , 2014, 20, 183.	0.1	0
102	DeposiÃ§Ã£o de filmes carbonosos em aÃ§Ã£o AISI D6 atravÃ©s da tÃ©cnica de gaiola catÃ³dica. <i>Revista Materia</i> , 2020, 25, .	0.1	0