

Anderson O Lobo

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163
papers

3,010
citations

28
h-index

45
g-index

180
ext. papers

3,603
ext. citations

5.2
avg, IF

5.4
L-index

#	Paper	IF	Citations
163	Comparative study of first- and second-order Raman spectra of MWCNT at visible and infrared laser excitation. <i>Carbon</i> , 2006 , 44, 2202-2211	10.4	373
162	Influence of diameter in the Raman spectra of aligned multi-walled carbon nanotubes. <i>Carbon</i> , 2007 , 45, 913-921	10.4	183
161	Fast functionalization of vertically aligned multiwalled carbon nanotubes using oxygen plasma. <i>Materials Letters</i> , 2012 , 70, 89-93	3.3	72
160	Influence of low contents of superhydrophilic MWCNT on the properties and cell viability of electrospun poly (butylene adipate-co-terephthalate) fibers. <i>Materials Science and Engineering C</i> , 2016 , 59, 782-791	8.3	66
159	An evaluation of cell proliferation and adhesion on vertically-aligned multi-walled carbon nanotube films. <i>Carbon</i> , 2010 , 48, 245-254	10.4	54
158	In Vitro and in Vivo Studies of Novel Poly(D,L-lactic acid), Superhydrophilic Carbon Nanotubes, and Nanohydroxyapatite Scaffolds for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9385-98	9.5	53
157	Cell viability and adhesion on as grown multi-wall carbon nanotube films. <i>Materials Science and Engineering C</i> , 2008 , 28, 264-269	8.3	51
156	Fast preparation of nano-hydroxyapatite/superhydrophilic reduced graphene oxide composites for bioactive applications. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4947-4955	7.3	50
155	Wettability control on vertically-aligned multi-walled carbon nanotube surfaces with oxygen pulsed DC plasma and CO2 laser treatments. <i>Diamond and Related Materials</i> , 2010 , 19, 752-755	3.5	47
154	Graphene and carbon nanotube nanocomposite for gene transfection. <i>Materials Science and Engineering C</i> , 2014 , 39, 288-98	8.3	46
153	Fast preparation of hydroxyapatite/superhydrophilic vertically aligned multiwalled carbon nanotube composites for bioactive application. <i>Langmuir</i> , 2010 , 26, 18308-14	4	46
152	Designing a novel nanocomposite for bone tissue engineering using electrospun conductive PBAT/polypyrrole as a scaffold to direct nanohydroxyapatite electrodeposition. <i>RSC Advances</i> , 2016 , 6, 32615-32623	3.7	44
151	Assisted deposition of nano-hydroxyapatite onto exfoliated carbon nanotube oxide scaffolds. <i>Nanoscale</i> , 2015 , 7, 10218-32	7.7	43
150	An electrochemical immunosensor using gold nanoparticles-PAMAM-nanostructured screen-printed carbon electrodes for tau protein determination in plasma and brain tissues from Alzheimer patients. <i>Biosensors and Bioelectronics</i> , 2020 , 163, 112238	11.8	43
149	Growth of carbon nanotube forests on carbon fibers with an amorphous silicon interface. <i>Carbon</i> , 2010 , 48, 3655-3658	10.4	43
148	Nanofibrous scaffolds for biomedical applications. <i>Nanoscale</i> , 2018 , 10, 12228-12255	7.7	42
147	Electrospun nanofiber blend with improved mechanical and biological performance. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7891-7903	7.3	42

146	Electrospun ultrathin PBAT/nHAp fibers influenced the in vitro and in vivo osteogenesis and improved the mechanical properties of neoformed bone. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 155, 544-552	6	39
145	Nanostructured poly (lactic acid) electrospun fiber with high loadings of TiO nanoparticles: Insights into bactericidal activity and cell viability. <i>Materials Science and Engineering C</i> , 2017 , 71, 381-385	8.3	38
144	Effect of ultrasound irradiation on the production of nHAp/MWCNT nanocomposites. <i>Materials Science and Engineering C</i> , 2013 , 33, 4305-12	8.3	37
143	3D Bioprinting in Tissue Engineering for Medical Applications: The Classic and the Hybrid. <i>Polymers</i> , 2020 , 12,	4.5	36
142	The effect of ultrasonic irradiation on the crystallinity of nano-hydroxyapatite produced via the wet chemical method. <i>Materials Science and Engineering C</i> , 2013 , 33, 2620-5	8.3	35
141	Graphene oxide nanoribbons as nanomaterial for bone regeneration: Effects on cytotoxicity, gene expression and bactericidal effect. <i>Materials Science and Engineering C</i> , 2017 , 78, 341-348	8.3	33
140	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. <i>Materials Science and Engineering C</i> , 2017 , 73, 31-39	8.3	33
139	TiO ₂ coatings via atomic layer deposition on polyurethane and polydimethylsiloxane substrates: Properties and effects on <i>C. albicans</i> growth and inactivation process. <i>Applied Surface Science</i> , 2017 , 422, 73-84	6.7	28
138	Biom mineralization of superhydrophilic vertically aligned carbon nanotubes. <i>Langmuir</i> , 2012 , 28, 4413-24	4	28
137	Biocompatibility of multi-walled carbon nanotubes grown on titanium and silicon surfaces. <i>Materials Science and Engineering C</i> , 2008 , 28, 532-538	8.3	28
136	Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 24, 102143	6	28
135	Design of a novel electrospinning setup for the fabrication of biomimetic scaffolds for meniscus tissue engineering applications. <i>Materials Letters</i> , 2017 , 196, 221-224	3.3	27
134	Influence of the addition of β -TCP on the morphology, thermal properties and cell viability of poly (lactic acid) fibers obtained by electrospinning. <i>Materials Science and Engineering C</i> , 2015 , 52, 135-43	8.3	26
133	Cell viability and adhesion on diamond-like carbon films containing titanium dioxide nanoparticles. <i>Applied Surface Science</i> , 2013 , 266, 176-181	6.7	26
132	Osteoblast responses to injectable bone substitutes of kappa-carrageenan and nano hydroxyapatite. <i>Acta Biomaterialia</i> , 2019 , 83, 425-434	10.8	26
131	Fast preparation of free-standing nanohydroxyapatite-vertically aligned carbon nanotube scaffolds. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1196-1204	7.3	25
130	Structural and electrochemical properties of babassu coconut mesocarp-generated activated carbon and few-layer graphene. <i>Carbon</i> , 2019 , 145, 175-186	10.4	25
129	Understanding the impact of crosslinked PCL/PEG/GelMA electrospun nanofibers on bactericidal activity. <i>PLoS ONE</i> , 2018 , 13, e0209386	3.7	23

128	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900158	10.1	22
127	Effect of Multi-Walled Carbon Nanotubes Incorporation on the Structure, Optical and Electrochemical Properties of Diamond-Like Carbon Thin Films. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H290-H295	3.9	22
126	Rapid Obtaining of Nano-Hydroxyapatite Bioactive Films on NiTi Shape Memory Alloy by Electrodeposition Process. <i>Journal of Materials Engineering and Performance</i> , 2011 , 20, 793-797	1.6	22
125	Fabrication of Polymeric Microparticles by Electrospray: The Impact of Experimental Parameters. <i>Journal of Functional Biomaterials</i> , 2020 , 11,	4.8	21
124	Increasing mouse embryonic fibroblast cells adhesion on superhydrophilic vertically aligned carbon nanotube films. <i>Materials Science and Engineering C</i> , 2011 , 31, 1505-1511	8.3	21
123	Cytocompatibility studies of vertically-aligned multi-walled carbon nanotubes: Raw material and functionalized by oxygen plasma. <i>Materials Science and Engineering C</i> , 2012 , 32, 648-652	8.3	20
122	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	8.3	19
121	Atomic Layer Deposited TiO ₂ and Al ₂ O ₃ Thin Films as Coatings for Aluminum Food Packaging Application. <i>Materials</i> , 2019 , 12,	3.5	19
120	Characterization of a novel polymeric bioflocculant from marine actinobacterium <i>Streptomyces</i> sp. and its application in recovery of microalgae. <i>International Biodeterioration and Biodegradation</i> , 2020 , 148, 104883	4.8	19
119	CO ₂ Sensing by in-situ Raman spectroscopy using activated carbon generated from mesocarp of babassu coconut. <i>Vibrational Spectroscopy</i> , 2018 , 98, 111-118	2.1	19
118	Biomaterialized diamond-like carbon films with incorporated titanium dioxide nanoparticles improved bioactivity properties and reduced biofilm formation. <i>Materials Science and Engineering C</i> , 2017 , 81, 373-379	8.3	19
117	Analysis of cellular adhesion on superhydrophobic and superhydrophilic vertically aligned carbon nanotube scaffolds. <i>Materials Science and Engineering C</i> , 2015 , 48, 365-71	8.3	18
116	Carbon nanoparticles for gene transfection in eukaryotic cell lines. <i>Materials Science and Engineering C</i> , 2014 , 39, 359-70	8.3	18
115	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, 1723-32	4.5	18
114	Conidial water affinity is an important characteristic for thermotolerance in entomopathogenic fungi. <i>Biocontrol Science and Technology</i> , 2014 , 24, 448-461	1.7	18
113	Total re-establishment of superhydrophobicity of vertically-aligned carbon nanotubes by CO ₂ laser treatment. <i>Surface and Coatings Technology</i> , 2010 , 204, 3073-3077	4.4	18
112	Hydroxyapatite and HCP modified PMMA-TiO ₂ and PMMA-ZrO ₂ coatings for bioactive corrosion protection of Ti6Al4V implants. <i>Materials Science and Engineering C</i> , 2020 , 116, 111149	8.3	17
111	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	5.5	17

110	Graphene and carbon nanotube composite enabling a new prospective treatment for trichomoniasis disease. <i>Materials Science and Engineering C</i> , 2014 , 41, 65-9	8.3	17
109	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, 641-7	8.3	17
108	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, 2569-85	7.3	17
107	Disposable immunoplatforms for the simultaneous determination of biomarkers for neurodegenerative disorders using poly(amidoamine) dendrimer/gold nanoparticle nanocomposite. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 799-811	4.4	17
106	Hydrothermal/electrochemical synthesis of nano-hydroxyapatite crystals on superhydrophilic vertically aligned carbon nanotubes. <i>Materials Letters</i> , 2014 , 132, 70-74	3.3	16
105	Influence of polar groups on the wetting properties of vertically aligned multiwalled carbon nanotube surfaces. <i>Theoretical Chemistry Accounts</i> , 2011 , 130, 1061-1069	1.9	16
104	CO2 laser treatment for stabilization of the superhydrophobicity of carbon nanotube surfaces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, 1153-1157	1.3	16
103	Characterization and in vitro and in vivo assessment of poly(butylene adipate-co-terephthalate)/nano-hydroxyapatite composites as scaffolds for bone tissue engineering. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	15
102	PMMA-silica nanocomposite coating: Effective corrosion protection and biocompatibility for a Ti6Al4V alloy. <i>Materials Science and Engineering C</i> , 2020 , 110, 110713	8.3	15
101	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gums-Biological and Mechanical Properties. <i>Materials</i> , 2019 , 12,	3.5	15
100	Neuroprotective and restorative properties of the GLP-1/GIP dual agonist DA-JC1 compared with a GLP-1 single agonist in Alzheimer's disease. <i>Neuropharmacology</i> , 2020 , 162, 107813	5.5	15
99	Temperature-dependent phonon dynamics of supported and suspended monolayer tungsten diselenide. <i>AIP Advances</i> , 2019 , 9, 085316	1.5	14
98	Dual effective core-shell electrospun scaffolds: Promoting osteoblast maturation and reducing bacteria activity. <i>Materials Science and Engineering C</i> , 2019 , 103, 109778	8.3	13
97	Cell Viability of Porous Poly(d,l-lactic acid)/Vertically Aligned Carbon Nanotubes/Nanohydroxyapatite Scaffolds for Osteochondral Tissue Engineering. <i>Materials</i> , 2019 , 12,	3.5	13
96	Oxygen-generating smart hydrogels supporting chondrocytes survival in oxygen-free environments. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111192	6	13
95	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	1.9	13
94	Eco-friendly synthesis and photocatalytic application of flowers-like ZnO structures using Arabic and Karaya Gums. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2813-2822	7.9	13
93	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	6	13

92	Spectroscopic, thermal characterizations and bacteria inhibition of chemically modified chitosan with phthalic anhydride. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122053	4.4	13
91	Polypyrrole increases branching and neurite extension by Neuro2A cells on PBAT ultrathin fibers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1753-1763	6	13
90	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	8.1	12
89	Printing 3D Hydrogel Structures Employing Low-Cost Stereolithography Technology. <i>Journal of Functional Biomaterials</i> , 2020 , 11,	4.8	12
88	Aligned biomimetic scaffolds based on carbon nanotubes-reinforced polymeric nanofibers for knee meniscus tissue engineering. <i>Materials Letters</i> , 2020 , 264, 127351	3.3	12
87	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	3.9	12
86	Effect of gold oxide incorporation on electrochemical corrosion resistance of diamond-like carbon. <i>Diamond and Related Materials</i> , 2015 , 53, 40-44	3.5	12
85	Ultrathin polymer fibers hybridized with bioactive ceramics: A review on fundamental pathways of electrospinning towards bone regeneration. <i>Materials Science and Engineering C</i> , 2021 , 123, 111853	8.3	12
84	High loads of nano-hydroxyapatite/graphene nanoribbon composites guided bone regeneration using an osteoporotic animal model. <i>International Journal of Nanomedicine</i> , 2019 , 14, 865-874	7.3	11
83	Diamond nanoparticles into poly (lactic acid) electrospun fibers: Cytocompatible and bioactive scaffolds with enhanced wettability and cell adhesion. <i>Materials Letters</i> , 2016 , 183, 420-424	3.3	11
82	A comparison between electrospinning and rotary-jet spinning to produce PCL fibers with low bacteria colonization. <i>Materials Science and Engineering C</i> , 2020 , 111, 110706	8.3	11
81	Prolonged Drug-Releasing Fibers Attenuate Alzheimer's Disease-like Pathogenesis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36693-36702	9.5	11
80	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,	3.5	10
79	Surface modification using the biomimetic method in alumina-zirconia porous ceramics obtained by the replica method. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 2615-2624	3.5	10
78	Photodynamic therapy in the cattle protozoan <i>Trichostrongylus axei</i> cultivated on superhydrophilic carbon nanotube. <i>Materials Science and Engineering C</i> , 2014 , 36, 180-6	8.3	10
77	Bioactivity behaviour of nano-hydroxyapatite/freestanding aligned carbon nanotube oxide composite. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 113	4.5	10
76	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	4.4	10
75	Thermodynamic aspects of fibroblastic spreading on diamond-like carbon films containing titanium dioxide nanoparticles. <i>Theoretical Chemistry Accounts</i> , 2011 , 130, 1085-1093	1.9	10

74	Determination of Ni Release in NiTi SMA with Surface Modification by Nitrogen Plasma Immersion Ion Implantation. <i>Journal of Materials Engineering and Performance</i> , 2011 , 20, 798-801	1.6	10
73	In Vitro Osteogenesis Stimulation via Nano-Hydroxyapatite/Carbon Nanotube Thin Films on Biomedical Stainless Steel. <i>Materials</i> , 2018 , 11,	3.5	10
72	Electrodeposition and biomineralization of nano-Etricalcium phosphate on graphenated carbon nanotubes. <i>Surface and Coatings Technology</i> , 2016 , 297, 51-57	4.4	10
71	High loading of graphene oxide/multi-walled carbon nanotubes into PDLA: A route towards the design of osteoconductive, bactericidal and non-immunogenic 3D porous scaffolds. <i>Materials Chemistry and Physics</i> , 2016 , 177, 56-66	4.4	10
70	Biological response of chemically treated surface of the ultrafine-grained Ti-6Al-7Nb alloy for biomedical applications. <i>International Journal of Nanomedicine</i> , 2019 , 14, 1725-1736	7.3	9
69	Field emission properties of the graphenated carbon nanotube electrode. <i>Applied Surface Science</i> , 2015 , 324, 174-178	6.7	9
68	Electrospraying Oxygen-Generating Microparticles for Tissue Engineering Applications. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1173-1186	7.3	9
67	Titanate-based one-dimensional nano-heterostructure: Study of hydrothermal reaction parameters for improved photocatalytic application. <i>Solid State Sciences</i> , 2019 , 98, 106043	3.4	9
66	Monolayer formation of human osteoblastic cells on vertically aligned multiwalled carbon nanotube scaffolds. <i>Cell Biology International</i> , 2010 , 34, 393-8	4.5	9
65	Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. <i>Materials Science and Engineering C</i> , 2020 , 115, 111051	8.3	9
64	The Influence of Titanium Dioxide on Diamond-Like Carbon Biocompatibility for Dental Applications. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-7	3.2	9
63	Engineering multifunctional bactericidal nanofibers for abdominal hernia repair. <i>Communications Biology</i> , 2021 , 4, 233	6.7	9
62	In vitro and in vivo evaluation of rotary-jet-spun poly(ϵ -caprolactone) with high loading of nano-hydroxyapatite. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 19	4.5	8
61	One-Pot Synthesis of Titanate Nanotubes Decorated with Anatase Nanoparticles Using a Microwave-Assisted Hydrothermal Reaction. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-10	3.2	8
60	Biocompatible Gels of Chitosan-Buriti Oil for Potential Wound Healing Applications. <i>Materials</i> , 2020 , 13,	3.5	8
59	Efficient method to produce biomineralized nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Letters</i> , 2012 , 79, 166-169	3.3	8
58	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	6.7	8
57	Morphological analysis and cell viability on diamond-like carbon films containing nanocrystalline diamond particles. <i>Applied Surface Science</i> , 2013 , 275, 258-263	6.7	8

56	Production of oxalic acid by electrochemical reduction of CO ₂ using silver-carbon material from babassu coconut mesocarp. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 147, 109678	3.9	8
55	Porous alumina scaffolds chemically modified by calcium phosphate minerals and their application in bone grafts. <i>International Journal of Applied Ceramic Technology</i> , 2019 , 16, 562-573	2	8
54	Diamond-like carbon electrochemical corrosion resistance by addition of nanocrystalline diamond particles for biomedical applications. <i>Surface and Coatings Technology</i> , 2014 , 259, 732-736	4.4	7
53	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	6.2	7
52	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	3	7
51	Influence of flash sintering on phase transformation and conductivity of hydroxyapatite. <i>Ceramics International</i> , 2021 , 47, 9125-9131	5.1	7
50	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	2.8	7
49	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	3.9	7
48	Carbon Nanomaterials for Treating Osteoporotic Vertebral Fractures. <i>Current Osteoporosis Reports</i> , 2018 , 16, 626-634	5.4	7
47	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	4.4	6
46	Cytotoxicity analysis of vertically aligned multi-walled carbon nanotubes by colorimetric assays. <i>Synthetic Metals</i> , 2009 , 159, 2165-2166	3.6	6
45	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	8.3	6
44	Biomineralization inspired engineering of nanobiomaterials promoting bone repair. <i>Materials Science and Engineering C</i> , 2021 , 120, 111776	8.3	6
43	A simple and green method for the production of nanostructured materials from poly(vinyl alcohol)/graphene quantum dots. <i>Materials Chemistry and Physics</i> , 2018 , 219, 242-250	4.4	5
42	In vitro osteogenesis process induced by hybrid nanohydroxyapatite/graphene nanoribbons composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 81	4.5	5
41	Morphological and chemical evaluation of bone with apatite-coated Al ₂ O ₃ implants as scaffolds for bone repair. <i>Ceramica</i> , 2013 , 59, 533-538	1	5
40	Electrodeposition of bactericidal and bioactive nano-hydroxyapatite onto electrospun piezoelectric polyvinylidene fluoride scaffolds. <i>Journal of Materials Research</i> , 2020 , 35, 3265-3275	2.5	5
39	Electrospun Poly(butylene-adipate-co-terephthalate)/Nano-hydroxyapatite/Graphene Nanoribbon Scaffolds Improved the In Vivo Osteogenesis of the Neoformed Bone. <i>Journal of Functional Biomaterials</i> , 2021 , 12,	4.8	5

38	Glucose sensing via a green and low-cost platform from electrospun poly (vinyl alcohol)/graphene quantum dots fibers. <i>Materials Today: Proceedings</i> , 2019 , 14, 694-699	1.4	4
37	Morphological, thermal and bioactivity evaluation of electrospun PCL/βTCP fibers for tissue regeneration. <i>Polimeros</i> , 2019 , 29,	1.6	4
36	Printing composite nanofilaments for use in a simple and low-cost 3D pen. <i>Journal of Materials Research</i> , 2020 , 35, 1154-1162	2.5	4
35	Calcification in vitro of biom mineralized nanohydroxyapatite/superhydrophilic vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Research</i> , 2013 , 16, 614-618	1.5	4
34	Confinement effect and spreading of water into microchannels fabricated on the VACNT surfaces. <i>Diamond and Related Materials</i> , 2011 , 20, 931-936	3.5	4
33	Tritrichomonas foetus adhere to superhydrophilic vertically aligned multi-walled carbon nanotube surface. <i>Materials Science and Engineering C</i> , 2011 , 31, 1614-1617	8.3	4
32	Survival and Proliferation under Severely Hypoxic Microenvironments Using Cell-Laden Oxygenating Hydrogels. <i>Journal of Functional Biomaterials</i> , 2021 , 12,	4.8	4
31	Nanostructured Non-Newtonian Drug Delivery Barrier Prevents Postoperative Intrapericardial Adhesions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29231-29246	9.5	4
30	Electrospun Nanofibrous Poly (Lactic Acid)/Titanium Dioxide Nanocomposite Membranes for Cutaneous Scar Minimization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 421	5.8	4
29	Characterization of Optimized TiO Nanotubes Morphology for Medical Implants: Biological Activity and Corrosion Resistance. <i>International Journal of Nanomedicine</i> , 2021 , 16, 667-682	7.3	4
28	Micro-Nanofibrillar Polycaprolactone Scaffolds as Translatable Osteoconductive Grafts for the Treatment of Musculoskeletal Defects without Infection.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1566-1578	4.1	4
27	Oxygen-generating microparticles in chondrocytes-laden hydrogels by facile and versatile click chemistry strategy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 205, 111850	6	4
26	Systems developed for application as self-cleaning surfaces and/or antimicrobial properties: a short review on materials and production methods. <i>Ceramica</i> , 2019 , 65, 477-484	1	3
25	Recent Advances in Nanostructured Polymer Composites for Biomedical Applications 2019 , 21-52		3
24	Vertically Aligned Carbon Nanotubes/Carbon Fiber Composites for Electrochemical Applications. <i>Materials Science Forum</i> , 2014 , 802, 192-196	0.4	3
23	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	4.4	3
22	Modification of surfaces of alumina-zirconia porous ceramics with Sr ²⁺ after SBF. <i>Journal of the Australian Ceramic Society</i> , 2020 , 56, 517-524	1.5	3
21	Atomic layer deposition of TiO ₂ thin films on electrospun poly (butylene adipate-co-terephthalate) fibers: Freestanding TiO ₂ nanostructures via polymer carbonization. <i>Materials Today: Proceedings</i> , 2019 , 14, 656-662	1.4	2

20	Graphene-Based Sensors: Applications in Electrochemical (Bio)sensing 2019 , 349-369		2
19	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	0.5	2
18	Advances in Antimicrobial and Osteoinductive Biomaterials 2020 , 3-34		2
17	Rotary-jet spun polycaprolactone/nano-hydroxyapatite scaffolds modified by simulated body fluid influenced the flexural mode of the neofomed bone. <i>Journal of Materials Science: Materials in Medicine</i> , 2020 , 31, 72	4.5	2
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33