

Anderson O Lobo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Towards Bioinspired Meniscus-Regenerative Scaffolds: Engineering a Novel 3D Bioprinted Patient-Specific Construct Reinforced by Biomimetically Aligned Nanofibers.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 1111-1124	7.3	0
162	Nanocomposite Hydrogel Produced from PEGDA and Laponite for Bone Regeneration. <i>Journal of Functional Biomaterials</i> , 2022 , 13, 53	4.8	1
161	Modified PCL/PEG/GelMA electrospun blends reduced biofilm formation. <i>Materials Letters</i> , 2022 , 320, 132315	3.3	
160	Photodegradation of ciprofloxacin using Z-scheme TiO ₂ /SnO ₂ nanostructures as photocatalyst. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021 , 16, 100466	3.3	0
159	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
158	Survival and Proliferation under Severely Hypoxic Microenvironments Using Cell-Laden Oxygenating Hydrogels. <i>Journal of Functional Biomaterials</i> , 2021 , 12,	4.8	4
157	Nanostructured Non-Newtonian Drug Delivery Barrier Prevents Postoperative Intrapericardial Adhesions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29231-29246	9.5	4
156	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
155	The role of nanohydroxyapatite on the morphological, physical, and biological properties of chitosan nanofibers. <i>Clinical Oral Investigations</i> , 2021 , 25, 3095-3103	4.2	1
154	Influence of flash sintering on phase transformation and conductivity of hydroxyapatite. <i>Ceramics International</i> , 2021 , 47, 9125-9131	5.1	7
153	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
152	Biomineralization inspired engineering of nanobiomaterials promoting bone repair. <i>Materials Science and Engineering C</i> , 2021 , 120, 111776	8.3	6
151	Engineering multifunctional bactericidal nanofibers for abdominal hernia repair. <i>Communications Biology</i> , 2021 , 4, 233	6.7	9
150	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
149	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
148	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
147	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

146 Antimicrobial Electrospun Materials **2020**, 243-263

145 Oxygen-generating smart hydrogels supporting chondrocytes survival in oxygen-free environments. *Colloids and Surfaces B: Biointerfaces*, **2020**, 194, 111192 6 13

144 Electro spraying Oxygen-Generating Microparticles for Tissue Engineering Applications. *International Journal of Nanomedicine*, **2020**, 15, 1173-1186 7.3 9

143 Hydroxyapatite and TCP modified PMMA-TiO and PMMA-ZrO coatings for bioactive corrosion protection of Ti6Al4V implants. *Materials Science and Engineering C*, **2020**, 116, 111149 8.3 17

142 Printing 3D Hydrogel Structures Employing Low-Cost Stereolithography Technology. *Journal of Functional Biomaterials*, **2020**, 11, 4.8 12

141 Aligned biomimetic scaffolds based on carbon nanotubes-reinforced polymeric nanofibers for knee meniscus tissue engineering. *Materials Letters*, **2020**, 264, 127351 3.3 12

140 Characterization of a novel polymeric bioflocculant from marine actinobacterium *Streptomyces* sp. and its application in recovery of microalgae. *International Biodeterioration and Biodegradation*, **2020**, 148, 104883 4.8 19

139 Fabrication of Polymeric Microparticles by Electro spray: The Impact of Experimental Parameters. *Journal of Functional Biomaterials*, **2020**, 11, 4.8 21

138 PMMA-silica nanocomposite coating: Effective corrosion protection and biocompatibility for a Ti6Al4V alloy. *Materials Science and Engineering C*, **2020**, 110, 110713 8.3 15

137 Biocompatible Gels of Chitosan-Buriti Oil for Potential Wound Healing Applications. *Materials*, **2020**, 13, 3.5 8

136 Advances in Antimicrobial and Osteoinductive Biomaterials **2020**, 3-34 2

135 Synthesis of silver-cerium titanate nanotubes and their surface properties and antibacterial applications. *Materials Science and Engineering C*, **2020**, 115, 111051 8.3 9

134 Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 24, 102143 6 28

133 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 4.4 3

132 Electrodeposition of bactericidal and bioactive nano-hydroxyapatite onto electrospun piezoelectric polyvinylidene fluoride scaffolds. *Journal of Materials Research*, **2020**, 35, 3265-3275 2.5 5

131 3D Bioprinting in Tissue Engineering for Medical Applications: The Classic and the Hybrid. *Polymers*, **2020**, 12, 4.5 36

130 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 4.5 2

129 Production of oxalic acid by electrochemical reduction of CO₂ using silver-carbon material from babassu coconut mesocarp. *Journal of Physics and Chemistry of Solids*, **2020**, 147, 109678 3.9 8

128	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
127	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
126	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
125	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
124	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
123	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
122	Temperature-dependent phonon dynamics of supported and suspended monolayer tungsten diselenide. <i>AIP Advances</i> , 2019 , 9, 085316	1.5	14
121	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
120	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
119	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
118	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
117	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
116	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
115	Recent Advances in Nanostructured Polymer Composites for Biomedical Applications 2019 , 21-52		3
114	Morphological, thermal and bioactivity evaluation of electrospun PCL/BCP fibers for tissue regeneration. <i>Polimeros</i> , 2019 , 29,	1.6	4
113	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
112	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
111	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

110	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
109	Bioprinting a Synthetic Smectic Clay for Orthopedic Applications. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900158	10.1	22
108	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
107	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
106	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	4.5	1
105	Synthetic Smectic Clays: Bioprinting a Synthetic Smectic Clay for Orthopedic Applications (Adv. Healthcare Mater. 13/2019). <i>Advanced Healthcare Materials</i> , 2019 , 8, 1970051	10.1	
104	Development of Composite Scaffolds Based on Cerium Doped-Hydroxyapatite and Natural Gums-Biological and Mechanical Properties. <i>Materials</i> , 2019 , 12,	3.5	15
103	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
102	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
101	Graphene-Based Sensors: Applications in Electrochemical (Bio)sensing 2019 , 349-369		2
100	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
99	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
98	Osteoblast responses to injectable bone substitutes of kappa-carrageenan and nano hydroxyapatite. <i>Acta Biomaterialia</i> , 2019 , 83, 425-434	10.8	26
97	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
96	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
95	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
94	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
93	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

92	CO2 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
91	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
90	Nanofibrous scaffolds for biomedical applications. <i>Nanoscale</i> , 2018 , 10, 12228-12255	7.7	42
89	In Vitro Osteogenesis Stimulation via Nano-Hydroxyapatite/Carbon Nanotube Thin Films on Biomedical Stainless Steel. <i>Materials</i> , 2018 , 11,	3.5	10
88	Electrospun nanofiber blend with improved mechanical and biological performance. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7891-7903	7.3	42
87	Understanding the impact of crosslinked PCL/PEG/GelMA electrospun nanofibers on bactericidal activity. <i>PLoS ONE</i> , 2018 , 13, e0209386	3.7	23
86	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
85	Prolonged Drug-Releasing Fibers Attenuate Alzheimer's Disease-like Pathogenesis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36693-36702	9.5	11
84	P4-053: DUAL INCRETIN AGONIST REDUCES NEUROINFLAMMATION IN A TRANSGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE 2018 , 14, P1453-P1453		1
83	P3-067: POLY(LACTIC ACID) (PLA) ELECTROSPUN FIBERS IMPROVE NEUROGENESIS AND REDUCE AMYLOID PLAQUES IN A TRANSGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE 2018 , 14, P1090-P1090		
82	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
81	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
80	Carbon Nanomaterials for Treating Osteoporotic Vertebral Fractures. <i>Current Osteoporosis Reports</i> , 2018 , 16, 626-634	5.4	7
79	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
78	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
77	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
76	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
75	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

74	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
73	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
72	Biomineralized 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
71	[P3063]: NOVEL BIODEVICE RELEASES DRUG IN VIVO FOR 14 DAYS AND AVOIDS DNA DAMAGE IN STRESS-INDUCED NEUROBLASTOMA CELLS: A PROMISE FOR ALZHEIMER'S DISEASE TREATMENT 2017 , 13, P955-P956		1
70	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
69	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
68	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
67	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
66	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
65	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
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	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
62	Electrodeposition and biomineralization of nano-hydroxyapatite on graphenated carbon nanotubes. <i>Surface and Coatings Technology</i> , 2016 , 297, 51-57	4.4	10
61	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	4.4	10
60	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
59	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
58	Influence of the addition of HCP 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
57	Assisted deposition of nano-hydroxyapatite onto exfoliated carbon nanotube oxide scaffolds. <i>Nanoscale</i> , 2015 , 7, 10218-32	7.7	43

56	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
55	Field emission properties of the graphenated carbon nanotube electrode. <i>Applied Surface Science</i> , 2015 , 324, 174-178	6.7	9
54	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
53	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
52	Photodynamic therapy in the cattle protozoan <i>Tritrichomonas foetus</i> cultivated on superhydrophilic carbon nanotube. <i>Materials Science and Engineering C</i> , 2014 , 36, 180-6	8.3	10
51	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
50	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
49	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
48	Hydrothermal-electrochemical synthesis of nano-hydroxyapatite crystals on superhydrophilic vertically aligned carbon nanotubes. <i>Materials Letters</i> , 2014 , 132, 70-74	3.3	16
47	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
46	Graphene and carbon nanotube nanocomposite for gene transfection. <i>Materials Science and Engineering C</i> , 2014 , 39, 288-98	8.3	46
45	Carbon nanoparticles for gene transfection in eukaryotic cell lines. <i>Materials Science and Engineering C</i> , 2014 , 39, 359-70	8.3	18
44	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
43	Vertically Aligned Carbon Nanotubes/Carbon Fiber Composites for Electrochemical Applications. <i>Materials Science Forum</i> , 2014 , 802, 192-196	0.4	3
42	Electric Double Layer Capacitor of Multiwall Carbon Nanotubes under Different Degree of Acid Oxidations. <i>Materials Science Forum</i> , 2014 , 802, 186-191	0.4	
41	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
40	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
39	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

38	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
37	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
36	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
35	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
34	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
33	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}	8.3	17
32	Calcification in vitro of biomineralized nanohydroxyapatite/superhydrophilic vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Research</i> , 2013 , 16, 614-618	1.5	4
31	In vitro biomineralization of a novel hydroxyapatite/superhydrophilic multiwalled carbon nanotube nanocomposite using simulated body fluids. <i>Materials Research</i> , 2013 , 16, 650-654	1.5	
30	Proposed model for biomineralization of novel nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Research</i> , 2013 , 16, 661-667	1.5	
29	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
28	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
27	Fast functionalization of vertically aligned multiwalled carbon nanotubes using oxygen plasma. <i>Materials Letters</i> , 2012 , 70, 89-93	3.3	72
26	Efficient method to produce biomineralized nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Letters</i> , 2012 , 79, 166-169	3.3	8
25	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
24	Biomineralization of superhydrophilic vertically aligned carbon nanotubes. <i>Langmuir</i> , 2012 , 28, 4413-24	4	28
23	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
22	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
21	<i>Tritrichomonas foetus</i> adhere to superhydrophilic vertically aligned multi-walled carbon nanotube surface. <i>Materials Science and Engineering C</i> , 2011 , 31, 1614-1617	8.3	4

20	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
19	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
18	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
17	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
16	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
15	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
14	CO ₂ 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
13	Wettability control on vertically-aligned multi-walled carbon nanotube surfaces with oxygen pulsed DC plasma and CO ₂ laser treatments. <i>Diamond and Related Materials</i> , 2010 , 19, 752-755	3.5	47
12	Fast preparation of hydroxyapatite/superhydrophilic vertically aligned multiwalled carbon nanotube composites for bioactive application. <i>Langmuir</i> , 2010 , 26, 18308-14	4	46
11	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
10	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
9	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
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6	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
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