

Federica Chiellini

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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.

222 papers	9,023 citations	45 h-index	88 g-index
240 ext. papers	10,141 ext. citations	5.1 avg, IF	6.33 L-index

#	Paper	IF	Citations
222	Chitosan: A versatile semi-synthetic polymer in biomedical applications. <i>Progress in Polymer Science</i> , 2011 , 36, 981-1014	29.6	1940
221	Polymeric materials for bone and cartilage repair. <i>Progress in Polymer Science</i> , 2010 , 35, 403-440	29.6	676
220	Additive manufacturing techniques for the production of tissue engineering constructs. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 174-90	4.4	226
219	Fibrin-based scaffold incorporating VEGF- and bFGF-loaded nanoparticles stimulates wound healing in diabetic mice. <i>Acta Biomaterialia</i> , 2013 , 9, 7814-21	10.8	221
218	Perspectives on alternatives to phthalate plasticized poly(vinyl chloride) in medical devices applications. <i>Progress in Polymer Science</i> , 2013 , 38, 1067-1088	29.6	180
217	A simple approach to covalent functionalization of boron nitride nanotubes. <i>Journal of Colloid and Interface Science</i> , 2012 , 374, 308-14	9.3	144
216	RND-type drug efflux pumps from Gram-negative bacteria: molecular mechanism and inhibition. <i>Frontiers in Microbiology</i> , 2015 , 6, 377	5.7	138
215	Effect of process parameters on the morphological and mechanical properties of 3D Bioextruded poly(ϵ -caprolactone) scaffolds. <i>Rapid Prototyping Journal</i> , 2012 , 18, 56-67	3.8	124
214	Environmentally degradable bio-based polymeric blends and composites. <i>Macromolecular Bioscience</i> , 2004 , 4, 218-31	5.5	123
213	Targeted Delivery of Protein Drugs by Nanocarriers. <i>Materials</i> , 2010 , 3, 1928-1980	3.5	117
212	Chitosan nanoparticles loaded with the antimicrobial peptide temporin B exert a long-term antibacterial activity in vitro against clinical isolates of <i>Staphylococcus epidermidis</i> . <i>Frontiers in Microbiology</i> , 2015 , 6, 372	5.7	111
211	Additive manufacturing of wet-spun polymeric scaffolds for bone tissue engineering. <i>Biomedical Microdevices</i> , 2012 , 14, 1115-27	3.7	100
210	Ecotoxicity of pristine graphene to marine organisms. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 101, 138-45	7	95
209	Poly(lactic-co-glycolic acid) electrospun fibrous meshes for the controlled release of retinoic acid. <i>Acta Biomaterialia</i> , 2010 , 6, 1258-68	10.8	86
208	Production of Bioglass® 45S5 / Polycaprolactone composite scaffolds via salt-leaching. <i>Composite Structures</i> , 2010 , 92, 1823-1832	5.3	85
207	Melt electrospinning of polycaprolactone and its blends with poly(ethylene glycol). <i>Polymer International</i> , 2010 , 59, 1558-1562	3.3	82
206	Biofunctionalization of ulvan scaffolds for bone tissue engineering. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3211-8	9.5	81

205	Investigation of interactions between poly-L-lysine-coated boron nitride nanotubes and C2C12 cells: up-take, cytocompatibility, and differentiation. <i>International Journal of Nanomedicine</i> , 2010 , 5, 285-298	7.3	81
204	Ulvan as a New Type of Biomaterial from Renewable Resources: Functionalization and Hydrogel Preparation. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 821-832	2.6	79
203	Highly porous polycaprolactone-45S5 Bioglass [®] scaffolds for bone tissue engineering. <i>Composites Science and Technology</i> , 2010 , 70, 1869-1878	8.6	78
202	Micro/nanostructured polymeric systems for biomedical and pharmaceutical applications. <i>Nanomedicine</i> , 2008 , 3, 367-93	5.6	77
201	Novel electrospun polyurethane/gelatin composite meshes for vascular grafts. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 1761-9	4.5	75
200	Ulvan as novel reducing and stabilizing agent from renewable algal biomass: Application to green synthesis of silver nanoparticles. <i>Carbohydrate Polymers</i> , 2019 , 203, 310-321	10.3	72
199	Polycaprolactone Scaffolds Fabricated via Bioextrusion for Tissue Engineering Applications. <i>International Journal of Biomaterials</i> , 2009 , 2009, 239643	3.2	71
198	Porous scaffolds of polycaprolactone reinforced with in situ generated hydroxyapatite for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 343-51	4.5	71
197	Macroporous Bioglass [®] -derived scaffolds for bone tissue regeneration. <i>Ceramics International</i> , 2011 , 37, 1575-1585	5.1	70
196	Novel agmatine-containing poly(amidoamine) hydrogels as scaffolds for tissue engineering. <i>Biomacromolecules</i> , 2005 , 6, 2229-35	6.9	68
195	Optimized electro- and wet-spinning techniques for the production of polymeric fibrous scaffolds loaded with bisphosphonate and hydroxyapatite. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011 , 5, 253-63	4.4	67
194	Nano/microfibrous polymeric constructs loaded with bioactive agents and designed for tissue engineering applications: a review. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 1562-79	3.5	63
193	Biodegradable nanomats produced by electrospinning: expanding multifunctionality and potential for tissue engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 862-82	1.3	60
192	Highly porous PHB-based bioactive scaffolds for bone tissue engineering by in situ synthesis of hydroxyapatite. <i>Materials Science and Engineering C</i> , 2019 , 100, 286-296	8.3	57
191	Novel poly(amido-amine)-based hydrogels as scaffolds for tissue engineering. <i>Macromolecular Bioscience</i> , 2005 , 5, 613-22	5.5	57
190	A new hydroxyapatite-based biocomposite for bone replacement. <i>Materials Science and Engineering C</i> , 2013 , 33, 1091-101	8.3	56
189	Synthesis and Characterization of New Malolactonate Polymers and Copolymers for Biomedical Applications. <i>Macromolecules</i> , 2002 , 35, 1215-1223	5.5	55
188	Additive manufacturing of star poly(ε-caprolactone) wet-spun scaffolds for bone tissue engineering applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2013 , 28, 320-340	2	54

187	Poly(hydroxyalkanoates)-based polymeric nanoparticles for drug delivery. <i>Journal of Biomedicine and Biotechnology</i> , 2009 , 2009, 571702		52
186	Multiscale fabrication of biomimetic scaffolds for tympanic membrane tissue engineering. <i>Biofabrication</i> , 2015 , 7, 025005	10.5	51
185	Materials degradation in PVC medical devices, DEHP leaching and neonatal outcomes. <i>Current Medicinal Chemistry</i> , 2010 , 17, 2979-89	4.3	51
184	Fibrin acts as biomimetic niche inducing both differentiation and stem cell marker expression of early human endothelial progenitor cells. <i>Cell Proliferation</i> , 2011 , 44, 33-48	7.9	50
183	Wet-spinning of biomedical polymers: from single-fibre production to additive manufacturing of three-dimensional scaffolds. <i>Polymer International</i> , 2017 , 66, 1690-1696	3.3	49
182	Preparation, physical-chemical and biological characterization of chitosan nanoparticles loaded with lysozyme. <i>International Journal of Biological Macromolecules</i> , 2014 , 67, 124-31	7.9	48
181	Melt electrospinning writing of three-dimensional star poly(ϵ -caprolactone) scaffolds. <i>Polymer International</i> , 2013 , 62, 893-900	3.3	47
180	Toxic effects of multi-walled carbon nanotubes on bivalves: Comparison between functionalized and nonfunctionalized nanoparticles. <i>Science of the Total Environment</i> , 2018 , 622-623, 1532-1542	10.2	46
179	Dual-Scale Polymeric Constructs as Scaffolds for Tissue Engineering. <i>Materials</i> , 2011 , 4, 527-542	3.5	45
178	Polymeric nanoparticles for hemoglobin-based oxygen carriers. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008 , 1784, 1454-61	4	45
177	Physical-chemical assessment of di-(2-ethylhexyl)-phthalate leakage from poly(vinyl chloride) endotracheal tubes after application in high risk newborns. <i>International Journal of Pharmaceutics</i> , 2011 , 409, 57-61	6.5	43
176	Microstructured chitosan/poly(γ -glutamic acid) polyelectrolyte complex hydrogels by computer-aided wet-spinning for biomedical three-dimensional scaffolds. <i>Journal of Bioactive and Compatible Polymers</i> , 2016 , 31, 531-549	2	43
175	Design, fabrication and characterization of composite piezoelectric ultrafine fibers for cochlear stimulation. <i>Materials and Design</i> , 2017 , 122, 206-219	8.1	42
174	A new biocompatible nanoparticle delivery system for the release of fibrinolytic drugs. <i>International Journal of Pharmaceutics</i> , 2008 , 357, 260-71	6.5	42
173	Additive manufacturing of poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate] scaffolds for engineered bone development. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 175-186	4.4	41
172	The impacts of emergent pollutants on <i>Ruditapes philippinarum</i> : biochemical responses to carbon nanoparticles exposure. <i>Aquatic Toxicology</i> , 2017 , 187, 38-47	5.1	39
171	New self-assembling biocompatible biodegradable amphiphilic block copolymers. <i>Polymer</i> , 2005 , 46, 9642-9652	3.9	39
170	Design, preparation and characterization of ulvan based thermosensitive hydrogels. <i>Carbohydrate Polymers</i> , 2016 , 136, 1108-17	10.3	38

169	The influence of Arsenic on the toxicity of carbon nanoparticles in bivalves. <i>Journal of Hazardous Materials</i> , 2018 , 358, 484-493	12.8	38
168	Evaluation of in vitro degradation of PCL scaffolds fabricated via BioExtrusion. Part 1: Influence of the degradation environment. <i>Virtual and Physical Prototyping</i> , 2010 , 5, 65-73	10.1	38
167	Biodegradable Polymers for Biomedical Additive Manufacturing. <i>Applied Materials Today</i> , 2020 , 20, 100700	10.0	37
166	Preparation of stable dispersion of barium titanate nanoparticles: Potential applications in biomedicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 76, 535-43	6	37
165	Ulvan-chitosan polyelectrolyte complexes as matrices for enzyme induced biomimetic mineralization. <i>Carbohydrate Polymers</i> , 2018 , 182, 254-264	10.3	36
164	Polylactic acid-based porous scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for biomedical application. <i>Materials Science and Engineering C</i> , 2018 , 82, 163-181	8.3	36
163	Amphiphilic pentablock copolymers and their blends with PDMS for antibiofouling coatings. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1213-1225	2.5	36
162	Development of electrospun three-arm star poly(ϵ -caprolactone) meshes for tissue engineering applications. <i>Macromolecular Bioscience</i> , 2010 , 10, 887-97	5.5	36
161	New Multicomponent Bioerodible Electrospun Nanofibers for Dual-controlled Drug Release. <i>Journal of Bioactive and Compatible Polymers</i> , 2008 , 23, 423-443	2	36
160	Acid-base properties of poly(amidoamine)s. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 6977-6991	2.5	35
159	Poly(amidoamine) conjugates with disulfide-linked cholesterol pendants self-assembling into redox-sensitive nanoparticles. <i>Biomacromolecules</i> , 2008 , 9, 2693-704	6.9	35
158	Highly porous polycaprolactone scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for bone regeneration. <i>Materials Science and Engineering C</i> , 2019 , 102, 341-361	8.3	34
157	Ruthenium arene complexes with triphenylphosphane ligands: cytotoxicity towards pancreatic cancer cells, interaction with model proteins, and effect of ethacrynic acid substitution. <i>New Journal of Chemistry</i> , 2017 , 41, 14574-14588	3.6	32
156	Perspectives on polymeric nanostructures for the therapeutic application of antimicrobial peptides. <i>Nanomedicine</i> , 2016 , 11, 1729-44	5.6	32
155	Amphoteric, prevailingly cationic L-arginine polymers of poly(amidoamino acid) structure: synthesis, acid/base properties and preliminary cytocompatibility and cell-permeating characterizations. <i>Macromolecular Bioscience</i> , 2014 , 14, 390-400	5.5	32
154	Patterning of Polymeric Hydrogels for Biomedical Applications. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 1284	4.8	32
153	Levofloxacin-loaded star poly(ϵ -caprolactone) scaffolds by additive manufacturing. <i>Journal of Materials Science: Materials in Medicine</i> , 2016 , 27, 44	4.5	31
152	Fed-Batch Synthesis of Poly(3-Hydroxybutyrate) and Poly(3-Hydroxybutyrate-co-4-Hydroxybutyrate) from Sucrose and 4-Hydroxybutyrate Precursors by Burkholderia sacchari Strain DSM 17165. <i>Bioengineering</i> , 2017 , 4,	5.3	31

151	Fibrous star poly(ε-caprolactone) melt-electrospun scaffolds for wound healing applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2013 , 28, 492-507	2	31
150	Physiological and biochemical responses of two keystone polychaete species: <i>Diopatra neapolitana</i> and <i>Hediste diversicolor</i> to Multi-walled carbon nanotubes. <i>Environmental Research</i> , 2017 , 154, 126-138	7.9	30
149	Integrated three-dimensional fiber/hydrogel biphasic scaffolds for periodontal bone tissue engineering. <i>Polymer International</i> , 2016 , 65, 631-640	3.3	30
148	Silk/chitosan biohybrid hydrogels and scaffolds via green technology. <i>RSC Advances</i> , 2014 , 4, 53547-53556	5.7	30
147	Processing and characterization of innovative scaffolds for bone tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 1397-409	4.5	30
146	Hydrolytic and microbial degradation of multi-block polyurethanes based on poly(ε-caprolactone)/poly(ethylene glycol) segments. <i>Polymer Degradation and Stability</i> , 2010 , 95, 2013-2021	4.7	30
145	Development of diclofenac sodium releasing bio-erodible polymeric nanomats. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3310-20	1.3	30
144	Mg- and/or Sr-doped tricalcium phosphate/bioactive glass composites: synthesis, microstructure and biological responsiveness. <i>Materials Science and Engineering C</i> , 2014 , 42, 312-24	8.3	29
143	Autophagy-related protein LC3 and Beclin-1 in the first trimester of pregnancy. <i>Clinical and Experimental Reproductive Medicine</i> , 2013 , 40, 33-7	2.2	28
142	Novel Amphoteric Cystine-Based Poly(amidoamine)s Responsive to Redox Stimuli. <i>Macromolecules</i> , 2007 , 40, 4785-4793	5.5	27
141	Biomedical Processing of Polyhydroxyalkanoates. <i>Bioengineering</i> , 2019 , 6,	5.3	27
140	Perspectives on: In Vitro Evaluation of Biomedical Polymers. <i>Journal of Bioactive and Compatible Polymers</i> , 2006 , 21, 257-271	2	26
139	The impacts of seawater acidification on <i>Ruditapes philippinarum</i> sensitivity to carbon nanoparticles. <i>Environmental Science: Nano</i> , 2017 , 4, 1692-1704	7.1	25
138	Blood compatibility of polymers derived from natural materials. <i>Journal of Bioactive and Compatible Polymers</i> , 2012 , 27, 295-312	2	25
137	Evaluation of in vitro degradation of PCL scaffolds fabricated via BioExtrusion [Part 2: Influence of pore size and geometry. <i>Virtual and Physical Prototyping</i> , 2011 , 6, 157-165	10.1	25
136	Selective culture of mesodermal progenitor cells. <i>Stem Cells and Development</i> , 2009 , 18, 1227-34	4.4	25
135	Biocompatibility and degradation of aliphatic segmented poly(ester amide)s: in vitro and in vivo evaluation. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 76, 699-710	5.4	25
134	Modelling of pancreatic ductal adenocarcinoma in vitro with three-dimensional microstructured hydrogels. <i>RSC Advances</i> , 2016 , 6, 54226-54235	3.7	24

133	Anticancer Potential of Diiron Vinyliminium Complexes. <i>Chemistry - A European Journal</i> , 2019 , 25, 14801-14816	2.3	23
132	Enzymatically Crosslinked Ulvan Hydrogels as Injectable Systems for Cell Delivery. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 581-590	2.6	23
131	Tailored star poly (ε-caprolactone) wet-spun scaffolds for in vivo regeneration of long bone critical size defects. <i>Journal of Bioactive and Compatible Polymers</i> , 2016 , 31, 15-30	2	23
130	Effects of multi-walled carbon nanotube materials on <i>Ruditapes philippinarum</i> under climate change: The case of salinity shifts. <i>Aquatic Toxicology</i> , 2018 , 199, 199-211	5.1	22
129	Additive Manufacturing of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/poly(ε-caprolactone) Blend Scaffolds for Tissue Engineering. <i>Bioengineering</i> , 2017 , 4,	5.3	22
128	Chitosan nanoparticles for the linear release of model cationic Peptide. <i>Pharmaceutical Research</i> , 2015 , 32, 2259-65	4.5	22
127	Chalcone embedded polyurethanes as a biomaterial: Synthesis, characterization and antibacterial adhesion. <i>Carbohydrate Polymers</i> , 2012 , 87, 353-360	10.3	22
126	Design and fabrication of novel polymeric biodegradable stents for small caliber blood vessels by computer-aided wet-spinning. <i>Biomedical Materials (Bristol)</i> , 2017 , 12, 035011	3.5	21
125	Chitosan films for regenerative medicine: fabrication methods and mechanical characterization of nanostructured chitosan films. <i>Biophysical Reviews</i> , 2019 , 11, 807-815	3.7	21
124	Ulvan: A Versatile Platform of Biomaterials from Renewable Resources 2011 ,		21
123	Development of a bioactive glass fiber reinforced starch-polycaprolactone composite. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008 , 87, 197-203	3.5	21
122	Bioerodible polymeric nanoparticles for targeted delivery of proteic drugs. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3040-7	1.3	21
121	RGD-mimic polyamidoamine-montmorillonite composites with tunable stiffness as scaffolds for bone tissue-engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2164-2175	4.4	20
120	Magnetic nanoparticles: a strategy to target the choroidal layer in the posterior segment of the eye. <i>Scientific Reports</i> , 2017 , 7, 43092	4.9	20
119	Synthesis and characterization of semi-interpenetrating polymer network hydrogel based on chitosan and poly(methacryloylglycylglycine). <i>Materials Chemistry and Physics</i> , 2012 , 135, 1070-1076	4.4	20
118	Thermal analysis of PVA/CNTs 2D membrane. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 97, 859-864	4.4	20
117	Bioeliminable polymeric nanoparticles for proteic drug delivery. <i>International Journal of Pharmaceutics</i> , 2007 , 343, 90-7	6.5	20
116	Di-(2-ethylhexyl)phthalate leakage and color changes in endotracheal tubes after application in high-risk newborns. <i>Neonatology</i> , 2009 , 95, 317-23	4	19

115	Polymers from Renewable Resources. <i>Journal of Renewable Materials</i> , 2013 , 1, 83-112	2.4	18
114	Multiblock Copolymers of Lactic Acid and Ethylene Glycol Containing Periodic Side-Chain Carboxyl Groups: Synthesis, Characterization, and Nanoparticle Preparation. <i>Macromolecules</i> , 2009 , 42, 7388-7395	5.5	18
113	Surface segregation assessment in poly(epsilon-caprolactone)-poly(ethylene glycol) multiblock copolymer films. <i>Macromolecular Bioscience</i> , 2010 , 10, 317-27	5.5	18
112	Neurotrophin-conjugated nanoparticles prevent retina damage induced by oxidative stress. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 1255-1267	10.3	18
111	Hemoglobin loaded polymeric nanoparticles: preparation and characterizations. <i>European Journal of Pharmaceutical Sciences</i> , 2011 , 43, 57-64	5.1	17
110	Bioactive polymeric materials for targeted administration of active agents: synthesis and evaluation. <i>Macromolecular Bioscience</i> , 2008 , 8, 516-25	5.5	17
109	The impacts of warming on the toxicity of carbon nanotubes in mussels. <i>Marine Environmental Research</i> , 2019 , 145, 11-21	3.3	16
108	Molecular Interactions and Inclusion Phenomena in Substituted β -Cyclodextrins. Simple Inclusion Probes: H ₂ O, C, CH ₄ , C ₆ H ₆ , NH ₄ ⁺ , HCOO ⁻ . <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1998 , 32, 23-46		16
107	Ruthenium Arene Complexes with β -Aminoacidato Ligands: New Insights into Transfer Hydrogenation Reactions and Cytotoxic Behaviour. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3041-3057	2.3	16
106	Mutifunctional Electrospun Nonwoven Mats with Two-Way Shape Memory Behavior Prepared from Sol-Gel Crosslinked Poly(β -Caprolactone). <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1600519	3.9	15
105	PLA/PCL-based foams as scaffolds for tissue engineering applications. <i>Materials Today: Proceedings</i> , 2019 , 7, 410-417	1.4	15
104	Boron nitride nanotube-functionalised myoblast/microfibre constructs: a nanotech-assisted tissue-engineered platform for muscle stimulation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 847-51	4.4	15
103	Tailored One-Way and Two-Way Shape Memory Capabilities of Poly(β -Caprolactone)-Based Systems for Biomedical Applications. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 2545-2552	1.6	15
102	Polymer-based biodegradable drug delivery systems in pain management. <i>Journal of Craniofacial Surgery</i> , 2006 , 17, 302-13	1.2	15
101	Targeted Administration of Proteic Drugs. I. Preparation of Polymeric Nanoparticles. <i>Journal of Bioactive and Compatible Polymers</i> , 2001 , 16, 441-465	2	15
100	Endothelial progenitor cell secretome delivered by novel polymeric nanoparticles in ischemic hindlimb. <i>International Journal of Pharmaceutics</i> , 2018 , 542, 82-89	6.5	14
99	Silk microgels formed by proteolytic enzyme activity. <i>Acta Biomaterialia</i> , 2013 , 9, 8192-9	10.8	14
98	End-functionalised 1-vinyl-2-pyrrolidinone oligomers bearing lactate functions at one end. <i>Macromolecular Bioscience</i> , 2004 , 4, 706-13	5.5	14

97	Photocytotoxic Pt(IV) complexes as prospective anticancer agents. <i>Dalton Transactions</i> , 2019 , 48, 10933-10944	4.9	13
96	Development of ulvan-based emulsions containing flavour and fragrances for food and cosmetic applications. <i>Flavour and Fragrance Journal</i> , 2019 , 34, 411-425	2.5	13
95	Mono-, Di- and Tetra-iron Complexes with Selenium or Sulphur Functionalized Vinyliminium Ligands: Synthesis, Structural Characterization and Antiproliferative Activity. <i>Molecules</i> , 2020 , 25,	4.8	12
94	Are the impacts of carbon nanotubes enhanced in <i>Mytilus galloprovincialis</i> submitted to air exposure?. <i>Aquatic Toxicology</i> , 2018 , 202, 163-172	5.1	12
93	New Architecture of Liquid-Crystalline Polymers from Fluorinated Vinylcyclopropanes. <i>Macromolecular Rapid Communications</i> , 2002 , 23, 814-818	4.8	12
92	Diiron Complexes with a Bridging Functionalized Allylidene Ligand: Synthesis, Structural Aspects, and Cytotoxicity. <i>Organometallics</i> , 2020 , 39, 361-373	3.8	12
91	Design, fabrication and characterization of tailored poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate] scaffolds by computer-aided wet-spinning. <i>Rapid Prototyping Journal</i> , 2018 , 24, 1-8	3.8	11
90	The influence of salinity on the effects of Multi-walled carbon nanotubes on polychaetes. <i>Scientific Reports</i> , 2018 , 8, 8571	4.9	11
89	In Vitro Behavior of Human Adipose Tissue-Derived Stem Cells on Poly(ϵ -caprolactone) Film for Bone Tissue Engineering Applications. <i>BioMed Research International</i> , 2015 , 2015, 323571	3	11
88	2-Methoxy Aniline Grafted Poly(maleic anhydride-alt-butyl vinyl ether) Hemiester: A New Biocompatible Polymeric Free Radical Scavenger. <i>Macromolecules</i> , 2011 , 44, 848-856	5.5	11
87	Influence of structural parameters on the ring-opening polymerization of new alkyl malolactonate monomers and on the biocompatibility of polymers therefrom. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 1684-1693	2.6	11
86	Bioerodible hydrogels based on 2-hydroxyethyl methacrylate: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 2729-2741	2.9	11
85	Nanoparticle systems for the targeted release of active principles of proteic nature. <i>Journal of Materials Science: Materials in Medicine</i> , 2003 , 14, 705-11	4.5	11
84	A 3D model for the human hepatic asialoglycoprotein receptor (ASGP-R). <i>Journal of Biomolecular Structure and Dynamics</i> , 2000 , 18, 435-51	3.6	11
83	Toxicity evaluation of carboxylated carbon nanotubes to the reef-forming tubeworm <i>Ficopomatus enigmaticus</i> (Fauvel, 1923). <i>Marine Environmental Research</i> , 2019 , 143, 1-9	3.3	11
82	Methyl- β -cyclodextrin quaternary ammonium chitosan conjugate: nanoparticles vs macromolecular soluble complex. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2531-2541	7.3	10
81	Di-(2-ethylhexyl)-phthalate migration from irradiated poly(vinyl chloride) blood bags for graft-vs-host disease prevention. <i>International Journal of Pharmaceutics</i> , 2012 , 430, 86-8	6.5	10
80	Perspectives on Biomedical Applications of Ulvan 2017 , 305-330		10

79	Retinyl palmitate loaded poly(lactide-co-glycolide) nanoparticles for the topical treatment of skin diseases. <i>Journal of Bioactive and Compatible Polymers</i> , 2012 , 27, 604-620	2	10
78	Growing bone tissue-engineered niches with graded osteogenicity: an in vitro method for biomimetic construct assembly. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 911-24	2.9	10
77	Statistical approach to the spectroscopic determination of the deacetylation degree of chitins and chitosans. <i>Carbohydrate Polymers</i> , 2011 , 86, 65-71	10.3	10
76	Doxorubicin Loaded Polyurethanes Nanoparticles. <i>Nano Biomedicine and Engineering</i> , 2012 , 4,	2.9	10
75	Endothelial cell adhesion on bioerodable polymers. <i>Journal of Materials Science: Materials in Medicine</i> , 2001 , 12, 613-9	4.5	10
74	The influence of simulated global ocean acidification on the toxic effects of carbon nanoparticles on polychaetes. <i>Science of the Total Environment</i> , 2019 , 666, 1178-1187	10.2	10
73	Additive Manufacturing of Poly(Methyl Methacrylate) Biomedical Implants with Dual-Scale Porosity. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800247	3.9	9
72	Bioactive glasses and glass-ceramics versus hydroxyapatite: Comparison of angiogenic potential and biological responsiveness. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2601-2609	5.4	9
71	Vitronectin absorbed on nanoparticles mediate cell viability/proliferation and uptake by 3T3 Swiss albino mouse fibroblasts: in vitro study. <i>BioMed Research International</i> , 2013 , 2013, 539348	3	9
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