Federica Chiellini

List of Publications by Year in Descending Order

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	Smart Magnetic Nanocarriers for Multi-Stimuli On-Demand Drug Delivery.. *Nanomaterials*, **2022**, 12,	5.4	6
221	Mechanical Characterization of Additive Manufactured Polymeric Scaffolds for Tissue Engineering **2022**, 99-148		
220	Development and Characterization of Highly Stable Silver NanoParticles as Novel Potential Antimicrobial Agents for Wound Healing Hydrogels.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	3
219	Polymeric Hydrogels for In Vitro 3D Ovarian Cancer Modeling.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
218	Levulinic acid-based bioplasticizers: a facile approach to enhance the thermal and mechanical properties of polyhydroxyalkanoates. *Materials Advances*, **2021**, 2, 7869-7880	3.3	2
217	How temperature can alter the combined effects of carbon nanotubes and caffeine in the clam Ruditapes decussatus?. *Environmental Research*, **2021**, 195, 110755	7.9	4
216	Antivirulence Properties of a Low-Molecular-Weight Quaternized Chitosan Derivative against. *Microorganisms*, **2021**, 9,	4.9	1
215	An in vitro chondro-osteo-vascular triphasic model of the osteochondral complex. *Biomaterials*, **2021**, 272, 120773	15.6	7
214	The Cytotoxic Activity of Diiron Bis-Cyclopentadienyl Complexes with Bridging C3-Ligands. *Applied Sciences (Switzerland)*, **2021**, 11, 4351	2.6	1
213	Effects of temperature on caffeine and carbon nanotubes co-exposure in Ruditapes philippinarum. *Chemosphere*, **2021**, 271, 129775	8.4	7
212	A Strategy to Conjugate Bioactive Fragments to Cytotoxic Diiron Bis(cyclopentadienyl) Complexes. *Organometallics*, **2021**, 40, 2516-2528	3.8	5
211	Anticancer Diiron Vinyliminium Complexes: A Structure-Activity Relationship Study. *Pharmaceutics*, **2021**, 13,	6.4	9
210	Computer-Aided Wet-Spinning. *Methods in Molecular Biology*, **2021**, 2147, 101-110	1.4	2
209	Adhesion of fibroblast cells on thin films representing surfaces of polymeric scaffolds of human urethra rationalized by molecular models of integrin binding: cell adhesion on polymeric scaffolds for regenerative medicine. *Journal of Biotechnology*, **2020**, 324, 233-238	3.7	2
208	Tympanic Membrane Collagen Expression by Dynamically Cultured Human Mesenchymal Stromal Cell/Star-Branched Poly(ECaprolactone) Nonwoven Constructs. *Applied Sciences (Switzerland)*, **2020**, 10, 3043	2.6	7
207	Does salinity variation increase synergistic effects of triclosan and carbon nanotubes on Mytilus galloprovincialis? Responses on adult tissues and sperms. *Science of the Total Environment*, **2020**, 734, 138837	10.2	2
206	Biodegradable Polymers for Biomedical Additive Manufacturing. *Applied Materials Today*, **2020**, 20, 100706	8.6	37

205	Environmental Fate of Multistressors on Carpet Shell Clam Ruditapes decussatus: Carbon Nanoparticles and Temperature Variation. *Sustainability*, **2020**, 12, 4939	3.6	4
204	Mono-, Di- and Tetra-iron Complexes with Selenium or Sulphur Functionalized Vinyliminium Ligands: Synthesis, Structural Characterization and Antiproliferative Activity. *Molecules*, **2020**, 25,	4.8	12
203	Diiron Complexes with a Bridging Functionalized Allylidene Ligand: Synthesis, Structural Aspects, and Cytotoxicity. *Organometallics*, **2020**, 39, 361-373	3.8	12
202	Poly(3-hydroxybutyrate-co-3-hydroxyexanoate) scaffolds with tunable macro- and microstructural features by additive manufacturing. *Journal of Biotechnology*, **2020**, 308, 96-107	3.7	9
201	A versatile cell-friendly approach to produce PLA-based 3D micro-macro-porous blends for tissue engineering scaffolds. *Materialia*, **2020**, 9, 100615	3.2	5
200	Renewable Polysaccharides Micro/Nanostructures for Food and Cosmetic Applications. *Molecules*, **2020**, 25,	4.8	7
199	Anticancer Potential of Diiron Vinyliminium Complexes. *Chemistry - A European Journal*, **2019**, 25, 14801-14816	4.8	23
198	Chitosan films for regenerative medicine: fabrication methods and mechanical characterization of nanostructured chitosan films. *Biophysical Reviews*, **2019**, 11, 807-815	3.7	21
197	PLA/PCL-based foams as scaffolds for tissue engineering applications. *Materials Today: Proceedings*, **2019**, 7, 410-417	1.4	15
196	The impacts of warming on the toxicity of carbon nanotubes in mussels. *Marine Environmental Research*, **2019**, 145, 11-21	3.3	16
195	Photocytotoxic Pt(iv) complexes as prospective anticancer agents. *Dalton Transactions*, **2019**, 48, 10933-10944	4.3	13
194	Impacts of ocean acidification on carboxylated carbon nanotube effects induced in the clam species Ruditapes philippinarum. *Environmental Science and Pollution Research*, **2019**, 26, 20742-20752	5.1	8
193	Epithelial cell adhesion on films mimicking surface of polymeric scaffolds of artificial urethra compared to molecular modeling of integrin binding. *Journal of Bioactive and Compatible Polymers*, **2019**, 34, 280-290	2	1
192	Highly porous polycaprolactone scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for bone regeneration. *Materials Science and Engineering C*, **2019**, 102, 341-361	8.3	34
191	Highly porous PHB-based bioactive scaffolds for bone tissue engineering by in situ synthesis of hydroxyapatite. *Materials Science and Engineering C*, **2019**, 100, 286-296	8.3	57
190	The influence of Climate Change on the fate and behavior of different carbon nanotubes materials and implication to estuarine invertebrates. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2019**, 219, 103-115	3.2	1
189	Bioactive glasses and glass-ceramics versus hydroxyapatite: Comparison of angiogenic potential and biological responsiveness. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 2601-2609	5.4	9
188	Development of ulvan-based emulsions containing flavour and fragrances for food and cosmetic applications. *Flavour and Fragrance Journal*, **2019**, 34, 411-425	2.5	13

187	pH-Responsive Carboxymethylcellulose Nanoparticles for Ga-WBC Labeling in PET Imaging. *Polymers*, **2019**, 11,	4.5	5
186	Reduced graphene oxide/iron nanoparticles used for the removal of Pb (II) by one step green synthesis. *Journal of Colloid and Interface Science*, **2019**, 557, 598-607	9.3	6
185	A New Calcium Oral Controlled-Release System Based on Zeolite for Prevention of Osteoporosis. *Nutrients*, **2019**, 11,	6.7	1
184	Targeting in the Sputum of Primary Ciliary Dyskinesia Patients with a Combinatorial Strategy Having Antibacterial and Anti-Virulence Potential. *International Journal of Molecular Sciences*, **2019**, 21,	6.3	5
183	The influence of simulated global ocean acidification on the toxic effects of carbon nanoparticles on polychaetes. *Science of the Total Environment*, **2019**, 666, 1178-1187	10.2	10
182	Anticancer Potential of Diiron Vinyliminium Complexes. *Chemistry - A European Journal*, **2019**, 25, 14739	4.8	1
181	Biomedical Processing of Polyhydroxyalkanoates. *Bioengineering*, **2019**, 6,	5.3	27
180	Toxicity evaluation of carboxylated carbon nanotubes to the reef-forming tubeworm Ficopomatus enigmaticus (Fauvel, 1923). *Marine Environmental Research*, **2019**, 143, 1-9	3.3	11
179	Ulvan as novel reducing and stabilizing agent from renewable algal biomass: Application to green synthesis of silver nanoparticles. *Carbohydrate Polymers*, **2019**, 203, 310-321	10.3	72
178	Design, Preparation, and Characterization of Thermoresponsive Hybrid Nanogels Using a Novel Ulvan-Acrylate Crosslinker as Potential Carriers for Protein Encapsulation. *Macromolecular Chemistry and Physics*, **2018**, 219, 1700631	2.6	4
177	Effects of multi-walled carbon nanotube materials on Ruditapes philippinarum under climate change: The case of salinity shifts. *Aquatic Toxicology*, **2018**, 199, 199-211	5.1	22
176	Design, fabrication and characterization of tailored poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyexanoate] scaffolds by computer-aided wet-spinning. *Rapid Prototyping Journal*, **2018**, 24, 1-8	3.8	11
175	Ulvan-chitosan polyelectrolyte complexes as matrices for enzyme induced biomimetic mineralization. *Carbohydrate Polymers*, **2018**, 182, 254-264	10.3	36
174	Endothelial progenitor cell secretome delivered by novel polymeric nanoparticles in ischemic hindlimb. *International Journal of Pharmaceutics*, **2018**, 542, 82-89	6.5	14
173	Toxic effects of multi-walled carbon nanotubes on bivalves: Comparison between functionalized and nonfunctionalized nanoparticles. *Science of the Total Environment*, **2018**, 622-623, 1532-1542	10.2	46
172	Polylactic acid-based porous scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for biomedical application. *Materials Science and Engineering C*, **2018**, 82, 163-181	8.3	36
171	Methyl-Ecyclodextrin quaternary ammonium chitosan conjugate: nanoparticles vs macromolecular soluble complex. *International Journal of Nanomedicine*, **2018**, 13, 2531-2541	7.3	10
170	Additive Manufacturing of Poly(Methyl Methacrylate) Biomedical Implants with Dual-Scale Porosity. *Macromolecular Materials and Engineering*, **2018**, 303, 1800247	3.9	9

169	Are the impacts of carbon nanotubes enhanced in Mytilus galloprovincialis submitted to air exposure?. *Aquatic Toxicology*, **2018**, 202, 163-172	5.1	12
168	Drug release kinetics of electrospun fibrous systems **2018**, 349-374		5
167	The influence of Arsenic on the toxicity of carbon nanoparticles in bivalves. *Journal of Hazardous Materials*, **2018**, 358, 484-493	12.8	38
166	The influence of salinity on the effects of Multi-walled carbon nanotubes on polychaetes. *Scientific Reports*, **2018**, 8, 8571	4.9	11
165	Neurotrophin-conjugated nanoparticles prevent retina damage induced by oxidative stress. *Cellular and Molecular Life Sciences*, **2018**, 75, 1255-1267	10.3	18
164	PLA-based foams as scaffolds for tissue engineering applications **2018**,		1
163	Biofabrication via integrated additive manufacturing and electrofluidodynamics **2018**, 71-85		1
162	Does the exposure to salinity variations and water dispersible carbon nanotubes induce oxidative stress in Hediste diversicolor?. *Marine Environmental Research*, **2018**, 141, 186-195	3.3	6
161	Ruthenium Arene Complexes with □Aminoacidato Ligands: New Insights into Transfer Hydrogenation Reactions and Cytotoxic Behaviour. *European Journal of Inorganic Chemistry*, **2018**, 2018, 3041-3057	2.3	16
160	RGD-mimic polyamidoamine-montmorillonite composites with tunable stiffness as scaffolds for bone tissue-engineering applications. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 2164-2175	4.4	20
159	Wet-spinning of biomedical polymers: from single-fibre production to additive manufacturing of three-dimensional scaffolds. *Polymer International*, **2017**, 66, 1690-1696	3.3	49
158	Physiological and biochemical responses of two keystone polychaete species: Diopatra neapolitana and Hediste diversicolor to Multi-walled carbon nanotubes. *Environmental Research*, **2017**, 154, 126-138	7.9	30
157	Design and fabrication of novel polymeric biodegradable stents for small caliber blood vessels by computer-aided wet-spinning. *Biomedical Materials (Bristol)*, **2017**, 12, 035011	3.5	21
156	The impacts of emergent pollutants on Ruditapes philippinarum: biochemical responses to carbon nanoparticles exposure. *Aquatic Toxicology*, **2017**, 187, 38-47	5.1	39
155	Design, fabrication and characterization of composite piezoelectric ultrafine fibers for cochlear stimulation. *Materials and Design*, **2017**, 122, 206-219	8.1	42
154	Mutifunctional Electrospun Nonwoven Mats with Two-Way Shape Memory Behavior Prepared from Sol□el Crosslinked Poly(□Caprolactone). *Macromolecular Materials and Engineering*, **2017**, 302, 1600519	3.9	15
153	Ruthenium arene complexes with triphenylphosphane ligands: cytotoxicity towards pancreatic cancer cells, interaction with model proteins, and effect of ethacrynic acid substitution. *New Journal of Chemistry*, **2017**, 41, 14574-14588	3.6	32
152	Magnetic nanoparticles: a strategy to target the choroidal layer in the posterior segment of the eye. *Scientific Reports*, **2017**, 7, 43092	4.9	20

151	The impacts of seawater acidification on Ruditapes philippinarum sensitivity to carbon nanoparticles. *Environmental Science: Nano*, **2017**, 4, 1692-1704	7.1	25
150	Additive manufacturing of poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate] scaffolds for engineered bone development. *Journal of Tissue Engineering and Regenerative Medicine*, **2017**, 11, 175-186	4.4	41
149	Perspectives on Biomedical Applications of Ulvan **2017**, 305-330		10
148	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. *Bioengineering*, **2017**, 4,	5.3	31
147	Additive Manufacturing of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/poly(ε-caprolactone) Blend Scaffolds for Tissue Engineering. *Bioengineering*, **2017**, 4,	5.3	22
146	Human Adipose Tissue-Derived Stem Cells and a Poly(ε-Caprolactone) Scaffold Produced by Computer-Aided Wet Spinning for Bone Tissue Engineering. *Journal of Biomaterials and Tissue Engineering*, **2017**, 7, 622-633	0.3	7
145	Design, preparation and characterization of ulvan based thermosensitive hydrogels. *Carbohydrate Polymers*, **2016**, 136, 1108-17	10.3	38
144	Perspectives on polymeric nanostructures for the therapeutic application of antimicrobial peptides. *Nanomedicine*, **2016**, 11, 1729-44	5.6	32
143	Enzymatically Crosslinked Ulvan Hydrogels as Injectable Systems for Cell Delivery. *Macromolecular Chemistry and Physics*, **2016**, 217, 581-590	2.6	23
142	Integrated three-dimensional fiber/hydrogel biphasic scaffolds for periodontal bone tissue engineering. *Polymer International*, **2016**, 65, 631-640	3.3	30
141	Levofloxacin-loaded star poly(ε-caprolactone) scaffolds by additive manufacturing. *Journal of Materials Science: Materials in Medicine*, **2016**, 27, 44	4.5	31
140	Microstructured chitosan/poly(γ-glutamic acid) polyelectrolyte complex hydrogels by computer-aided wet-spinning for biomedical three-dimensional scaffolds. *Journal of Bioactive and Compatible Polymers*, **2016**, 31, 531-549	2	43
139	Tailored star poly (ε-caprolactone) wet-spun scaffolds for in vivo regeneration of long bone critical size defects. *Journal of Bioactive and Compatible Polymers*, **2016**, 31, 15-30	2	23
138	Modelling of pancreatic ductal adenocarcinoma in vitro with three-dimensional microstructured hydrogels. *RSC Advances*, **2016**, 6, 54226-54235	3.7	24
137	A Nanostructured PLGA System for Cell Delivery of a Tetrathiahelicene as a Model for Helical DNA Intercalators. *ChemPlusChem*, **2015**, 80, 490-493	2.8	8
136	RND-type drug efflux pumps from Gram-negative bacteria: molecular mechanism and inhibition. *Frontiers in Microbiology*, **2015**, 6, 377	5.7	138
135	MR imaging and targeting of human breast cancer cells with folate decorated nanoparticles. *RSC Advances*, **2015**, 5, 39760-39770	3.7	8
134	Chitosan nanoparticles loaded with the antimicrobial peptide temporin B exert a long-term antibacterial activity in vitro against clinical isolates of Staphylococcus epidermidis. *Frontiers in Microbiology*, **2015**, 6, 372	5.7	111

133	Multiscale fabrication of biomimetic scaffolds for tympanic membrane tissue engineering. *Biofabrication*, **2015**, 7, 025005	10.5	51
132	Boron nitride nanotube-functionalised myoblast/microfibre constructs: a nanotech-assisted tissue-engineered platform for muscle stimulation. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, 847-51	4.4	15
131	Additive manufacturing techniques for the production of tissue engineering constructs. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, 174-90	4.4	226
130	Oligonucleotide biofunctionalization enhances endothelial progenitor cell adhesion on cobalt/chromium stents. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 3284-92	5.4	4
129	Poly(ethylene glycol) derivatives containing periodic side-chain carboxyl groups: synthesis and characterization. *Polymer International*, **2015**, 64, 196-202	3.3	1
128	In Vitro Behavior of Human Adipose Tissue-Derived Stem Cells on Poly(ε-caprolactone) Film for Bone Tissue Engineering Applications. *BioMed Research International*, **2015**, 2015, 323571	3	11
127	Amphiphilic pentablock copolymers and their blends with PDMS for antibiofouling coatings. *Journal of Polymer Science Part A*, **2015**, 53, 1213-1225	2.5	36
126	Chitosan nanoparticles for the linear release of model cationic Peptide. *Pharmaceutical Research*, **2015**, 32, 2259-65	4.5	22
125	Ecotoxicity of pristine graphene to marine organisms. *Ecotoxicology and Environmental Safety*, **2014** , 101, 138-45	7	95
124	Preparation, physical-chemical and biological characterization of chitosan nanoparticles loaded with lysozyme. *International Journal of Biological Macromolecules*, **2014**, 67, 124-31	7.9	48
123	Preparation and characterization of hybrid nanoparticles based on chitosan and poly(methacryloylglycylglycine). *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	3
122	Silk/chitosan biohybrid hydrogels and scaffolds via green technology. *RSC Advances*, **2014**, 4, 53547-53556	3.7	30
121	Surface decorated poly(ester-ether-urethane)s nanoparticles: a versatile approach towards clinical translation. *International Journal of Pharmaceutics*, **2014**, 475, 523-35	6.5	4
120	Amphoteric, prevailingly cationic L-arginine polymers of poly(amidoamino acid) structure: synthesis, acid/base properties and preliminary cytocompatibility and cell-permeating characterizations. *Macromolecular Bioscience*, **2014**, 14, 390-400	5.5	32
119	Preparation and characterization of biodegradable amphiphilic polymers and nanoparticles with high protein-loading capacity. *Journal of Bioactive and Compatible Polymers*, **2014**, 29, 330-349	2	2
118	Nano/microfibrous polymeric constructs loaded with bioactive agents and designed for tissue engineering applications: a review. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2014**, 102, 1562-79	3.5	63
117	Tailored One-Way and Two-Way Shape Memory Capabilities of Poly(ε-Caprolactone)-Based Systems for Biomedical Applications. *Journal of Materials Engineering and Performance*, **2014**, 23, 2545-2552	1.6	15
116	Biofunctionalization of ulvan scaffolds for bone tissue engineering. *ACS Applied Materials & Interfaces*, **2014**, 6, 3211-8	9.5	81

115	Mg- and/or Sr-doped tricalcium phosphate/bioactive glass composites: synthesis, microstructure and biological responsiveness. *Materials Science and Engineering C*, **2014**, 42, 312-24	8.3	29
114	Multiblock copolymers of caprolactone and ethylene glycol containing periodic side-chain carboxyl groups: Synthesis, characterization, and nanoparticle preparation. *Journal of Polymer Science Part A*, **2013**, 51, 3800-3809	2.5	5
113	Silk microgels formed by proteolytic enzyme activity. *Acta Biomaterialia*, **2013**, 9, 8192-9	10.8	14
112	Additive manufacturing of star poly(caprolactone) wet-spun scaffolds for bone tissue engineering applications. *Journal of Bioactive and Compatible Polymers*, **2013**, 28, 320-340	2	54
111	Fibrin-based scaffold incorporating VEGF- and bFGF-loaded nanoparticles stimulates wound healing in diabetic mice. *Acta Biomaterialia*, **2013**, 9, 7814-21	10.8	221
110	Perspectives on alternatives to phthalate plasticized poly(vinyl chloride) in medical devices applications. *Progress in Polymer Science*, **2013**, 38, 1067-1088	29.6	180
109	Growing bone tissue-engineered niches with graded osteogenicity: an in vitro method for biomimetic construct assembly. *Tissue Engineering - Part C: Methods*, **2013**, 19, 911-24	2.9	10
108	Magnetism and spin dynamics of novel encapsulated iron oxide superparamagnetic nanoparticles. *Dalton Transactions*, **2013**, 42, 10282-91	4.3	4
107	A new hydroxyapatite-based biocomposite for bone replacement. *Materials Science and Engineering C*, **2013**, 33, 1091-101	8.3	56
106	Controlled delivery of platelet lysate by polymer nanoparticles in ischemic tissue. *European Heart Journal*, **2013**, 34, P5671-P5671	9.5	1
105	Vitronectin absorbed on nanoparticles mediate cell viability/proliferation and uptake by 3T3 Swiss albino mouse fibroblasts: in vitro study. *BioMed Research International*, **2013**, 2013, 539348	3	9
104	Melt electrospinning writing of three-dimensional star poly(?-caprolactone) scaffolds. *Polymer International*, **2013**, 62, 893-900	3.3	47
103	Fibrous star poly(caprolactone) melt-electrospun scaffolds for wound healing applications. *Journal of Bioactive and Compatible Polymers*, **2013**, 28, 492-507	2	31
102	Polymers from Renewable Resources. *Journal of Renewable Materials*, **2013**, 1, 83-112	2.4	18
101	Autophagy-related protein LC3 and Beclin-1 in the first trimester of pregnancy. *Clinical and Experimental Reproductive Medicine*, **2013**, 40, 33-7	2.2	28
100	Polymeric Nanoparticles for Targeted Delivery of Bioactive Agents and Drugs **2013**, 593-616		
99	Di-(2-ethylhexyl)-phthalate migration from irradiated poly(vinyl chloride) blood bags for graft-vs-host disease prevention. *International Journal of Pharmaceutics*, **2012**, 430, 86-8	6.5	10
98	A simple approach to covalent functionalization of boron nitride nanotubes. *Journal of Colloid and Interface Science*, **2012**, 374, 308-14	9.3	144

97	Retinyl palmitate□loaded poly(lactide-co-glycolide) nanoparticles for the topical treatment of skin diseases. *Journal of Bioactive and Compatible Polymers*, **2012**, 27, 604-620	2	10
96	Additive manufacturing of wet-spun polymeric scaffolds for bone tissue engineering. *Biomedical Microdevices*, **2012**, 14, 1115-27	3.7	100
95	Blood compatibility of polymers derived from natural materials. *Journal of Bioactive and Compatible Polymers*, **2012**, 27, 295-312	2	25
94	Synthesis and characterization of semi-interpenetrating polymer network hydrogel based on chitosan and poly(methacryloylglycylglycine). *Materials Chemistry and Physics*, **2012**, 135, 1070-1076	4.4	20
93	Processing and characterization of innovative scaffolds for bone tissue engineering. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 1397-409	4.5	30
92	Chalcone embedded polyurethanes as a biomaterial: Synthesis, characterization and antibacterial adhesion. *Carbohydrate Polymers*, **2012**, 87, 353-360	10.3	22
91	Doxorubicin Loaded Polyurethanes Nanoparticles. *Nano Biomedicine and Engineering*, **2012**, 4,	2.9	10
90	Effect of process parameters on the morphological and mechanical properties of 3D Bioextruded poly(□caprolactone) scaffolds. *Rapid Prototyping Journal*, **2012**, 18, 56-67	3.8	124
89	Ulvan: A Versatile Platform of Biomaterials from Renewable Resources **2011**,		21
88	Fibrin acts as biomimetic niche inducing both differentiation and stem cell marker expression of early human endothelial progenitor cells. *Cell Proliferation*, **2011**, 44, 33-48	7.9	50
87	Hemoglobin loaded polymeric nanoparticles: preparation and characterizations. *European Journal of Pharmaceutical Sciences*, **2011**, 43, 57-64	5.1	17
86	Statistical approach to the spectroscopic determination of the deacetylation degree of chitins and chitosans. *Carbohydrate Polymers*, **2011**, 86, 65-71	10.3	10
85	Macroporous Bioglass□ -derived scaffolds for bone tissue regeneration. *Ceramics International*, **2011**, 37, 1575-1585	5.1	70
84	Polymeric nanostructured items electrospun on a cylindrical template: a simple procedure for their removal. *Polymer International*, **2011**, 60, 1162-1166	3.3	7
83	Optimized electro- and wet-spinning techniques for the production of polymeric fibrous scaffolds loaded with bisphosphonate and hydroxyapatite. *Journal of Tissue Engineering and Regenerative Medicine*, **2011**, 5, 253-63	4.4	67
82	Identification of selective ligands for human fibrin recognition using high-throughput docking. *Journal of Molecular Recognition*, **2011**, 24, 824-32	2.6	
81	Evaluation of in vitro degradation of PCL scaffolds fabricated via BioExtrusion □Part 2: Influence of pore size and geometry. *Virtual and Physical Prototyping*, **2011**, 6, 157-165	10.1	25
80	2-Methoxy Aniline Grafted Poly(maleic anhydride-alt-butyl vinyl ether) Hemiester: A New Biocompatible Polymeric Free Radical Scavenger. *Macromolecules*, **2011**, 44, 848-856	5.5	11

79	Dead Sea Minerals loaded polymeric nanoparticles. *Colloids and Surfaces B: Biointerfaces*, **2011**, 87, 236-42	4.2	8
78	Physical-chemical assessment of di-(2-ethylhexyl)-phthalate leakage from poly(vinyl chloride) endotracheal tubes after application in high risk newborns. *International Journal of Pharmaceutics*, **2011**, 409, 57-61	6.5	43
77	Chitosan: A versatile semi-synthetic polymer in biomedical applications. *Progress in Polymer Science*, **2011**, 36, 981-1014	29.6	1940
76	Multiblock Polyurethanes Based on Biodegradable Amphiphilic Poly(ε-caprolactone)/ Poly(ethylene glycol) Segments as Candidates for Tissue Engineering Applications. *Nano Biomedicine and Engineering*, **2011**, 3,	2.9	6
75	Dual-Scale Polymeric Constructs as Scaffolds for Tissue Engineering. *Materials*, **2011**, 4, 527-542	3.5	45
74	A novel Electrospinning Procedure for the Production of Straight Aligned and Winded Fibers. *Nano Biomedicine and Engineering*, **2011**, 3,	2.9	3
73	Investigation of interactions between poly-L-lysine-coated boron nitride nanotubes and C2C12 cells: up-take, cytocompatibility, and differentiation. *International Journal of Nanomedicine*, **2010**, 5, 285-98	7.3	81
72	Targeted Delivery of Protein Drugs by Nanocarriers. *Materials*, **2010**, 3, 1928-1980	3.5	117
71	Evaluation of in vitro degradation of PCL scaffolds fabricated via BioExtrusion. Part 1: Influence of the degradation environment. *Virtual and Physical Prototyping*, **2010**, 5, 65-73	10.1	38
70	Three-dimensional models of the oligomeric human asialoglycoprotein receptor (ASGP-R). *International Journal of Molecular Sciences*, **2010**, 11, 3867-84	6.3	3
69	Materials degradation in PVC medical devices, DEHP leaching and neonatal outcomes. *Current Medicinal Chemistry*, **2010**, 17, 2979-89	4.3	51
68	Highly porous polycaprolactone-45S5 Bioglass® scaffolds for bone tissue engineering. *Composites Science and Technology*, **2010**, 70, 1869-1878	8.6	78
67	Porous scaffolds of polycaprolactone reinforced with in situ generated hydroxyapatite for bone tissue engineering. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 343-51	4.5	71
66	Novel electrospun polyurethane/gelatin composite meshes for vascular grafts. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 1761-9	4.5	75
65	Ulvan as a New Type of Biomaterial from Renewable Resources: Functionalization and Hydrogel Preparation. *Macromolecular Chemistry and Physics*, **2010**, 211, 821-832	2.6	79
64	Surface segregation assessment in poly(epsilon-caprolactone)-poly(ethylene glycol) multiblock copolymer films. *Macromolecular Bioscience*, **2010**, 10, 317-27	5.5	18
63	Development of electrospun three-arm star poly(ε-caprolactone) meshes for tissue engineering applications. *Macromolecular Bioscience*, **2010**, 10, 887-97	5.5	36
62	Polymeric materials for bone and cartilage repair. *Progress in Polymer Science*, **2010**, 35, 403-440	29.6	676

61	Hydrolytic and microbial degradation of multi-block polyurethanes based on poly(e-caprolactone)/poly(ethylene glycol) segments. *Polymer Degradation and Stability*, **2010**, 95, 2013-2021	4.7	30
60	Poly(lactic-co-glycolic acid) electrospun fibrous meshes for the controlled release of retinoic acid. *Acta Biomaterialia*, **2010**, 6, 1258-68	10.8	86
59	Preparation of stable dispersion of barium titanate nanoparticles: Potential applications in biomedicine. *Colloids and Surfaces B: Biointerfaces*, **2010**, 76, 535-43	6	37
58	Production of Bioglass 45S5 Polycaprolactone composite scaffolds via salt-leaching. *Composite Structures*, **2010**, 92, 1823-1832	5.3	85
57	Influence of structural features on the self-assembly of short ionic oligopeptides. *Journal of Polymer Science Part A*, **2010**, 48, 889-897	2.5	7
56	Hydrogel scaffolds by self-assembly of a complementary ionic tetrapeptide. *Journal of Polymer Science Part A*, **2010**, 48, 986-990	2.5	5
55	Melt electrospinning of polycaprolactone and its blends with poly(ethylene glycol). *Polymer International*, **2010**, 59, 1558-1562	3.3	82
54	Selective culture of mesodermal progenitor cells. *Stem Cells and Development*, **2009**, 18, 1227-34	4.4	25
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