Edvani Muniz

List of Publications by Year in Descending Order

247 papers	8,724 citations	50 h-index	79 g-index
265 ext. papers	9,745 ext. citations	5.4 avg, IF	6.13 L-index

#	Paper	IF	Citations
247	Silk fibroin nanofibers containing chondroitin sulfate and silver sulfadiazine for wound healing treatment. *Journal of Drug Delivery Science and Technology*, **2022**, 70, 103221	4.5	0
246	Magnetic-responsive polysaccharide hydrogels as smart biomaterials: Synthesis, properties, and biomedical applications. *Carbohydrate Polymers*, **2022**, 119665	10.3	3
245	Experimental design to evaluate properties of electrospun fibers of zein/poly (ethylene oxide) for biomaterial applications. *Journal of Applied Polymer Science*, **2021**, 138, 50898	2.9	2
244	Chitosan/heparin blends in ionic liquid produce polyelectrolyte complexes that quickly adsorb citrate-capped silver nanoparticles, forming bactericidal composites. *Journal of Molecular Liquids*, **2021**, 330, 115548	6	4
243	Cytocompatible drug delivery devices based on poly[(2-dimethylamino) ethyl methacrylate]/chondroitin sulfate polyelectrolyte complexes prepared in ionic liquids. *Journal of Drug Delivery Science and Technology*, **2021**, 63, 102520	4.5	1
242	Manufacturing micro/nano chitosan/chondroitin sulfate curcumin-loaded hydrogel in ionic liquid: A new biomaterial effective against cancer cells. *International Journal of Biological Macromolecules*, **2021**, 180, 88-96	7.9	6
241	Application of a polyelectrolyte complex based on biocompatible polysaccharides for colorectal cancer inhibition. *Carbohydrate Research*, **2021**, 499, 108194	2.9	0
240	Photophysics and drug delivery behavior of methylene blue into Arabic-gum based hydrogel matrices. *Materials Today Communications*, **2021**, 26, 101889	2.5	6
239	Antimicrobial and cytocompatible chitosan, N,N,N-trimethyl chitosan, and tanfloc-based polyelectrolyte multilayers on gellan gum films. *International Journal of Biological Macromolecules*, **2021**, 183, 727-742	7.9	7
238	Effect of chitin nanowhiskers on mechanical and swelling properties of Gum Arabic hydrogels nanocomposites. *Carbohydrate Polymers*, **2021**, 266, 118116	10.3	2
237	Films based on mixtures of zein, chitosan, and PVA: Development with perspectives for food packaging application. *Polymer Testing*, **2021**, 101, 107279	4.5	3
236	Synthesis of bolaform surfactants from recycled poly(ethylene terephthalate) waste. *Journal of Cleaner Production*, **2021**, 320, 128762	10.3	1
235	Photodynamic Therapy: Use of Nanocarrier Systems to Improve Its Effectiveness. *Engineering Materials*, **2021**, 289-316	0.4	
234	Electrospun fibers of poly (vinyl alcohol): zinc acetate (PVA:AcZn) and further ZnO production: evaluation of PVA:AcZn ratio and annealing temperature effects on ZnO structure. *Journal of Nanoparticle Research*, **2020**, 22, 1	2.3	2
233	Drug carrier systems made from self-assembled glyco-nanoparticles of maltoheptaose-b-polyisoprene enhanced the distribution and activity of curcumin against cancer cells. *Journal of Molecular Liquids*, **2020**, 309, 113022	6	8
232	Composite materials based on chitosan/gold nanoparticles: From synthesis to biomedical applications. *International Journal of Biological Macromolecules*, **2020**, 161, 977-998	7.9	30
231	Curcumin and silver nanoparticles carried out from polysaccharide-based hydrogels improved the photodynamic properties of curcumin through metal-enhanced singlet oxygen effect. *Materials Science and Engineering C*, **2020**, 112, 110853	8.3	23

230	Uncommon Sorption Mechanism of Aromatic Compounds onto Poly(Vinyl Alcohol)/Chitosan/Maleic Anhydride-Cyclodextrin Hydrogels. *Polymers*, **2020**, 12,	4.5	6
229	First report of electrospun cellulose acetate nanofibers mats with chitin and chitosan nanowhiskers: Fabrication, characterization, and antibacterial activity. *Carbohydrate Polymers*, **2020**, 250, 116954	10.3	16
228	Sub- and supercritical D-limonene technology as a green process to recover glass fibres from glass fibre-reinforced polyester composites. *Journal of Cleaner Production*, **2020**, 254, 119984	10.3	6
227	Electrospinning in the preparation of an electrochemical sensor based on carbon nanotubes. *Journal of Molecular Liquids*, **2020**, 298, 112068	6	16
226	PET depolimerization in supercritical ethanol conditions catalysed by nanoparticles of metal oxides. *Journal of Supercritical Fluids*, **2020**, 158, 104715	4.2	7
225	Synthetic chlorin derivative self-prevented from aggregation: Behavior in homogeneous medium for PDT applications. *Journal of Molecular Liquids*, **2020**, 320, 114363	6	
224	Use of experimental design to obtain polymeric microfibers with carbon nanotubes. *Advanced Manufacturing: Polymer and Composites Science*, **2020**, 6, 115-126	0.6	
223	Bactericidal Pectin/Chitosan/Glycerol Films for Food Pack Coatings: A Critical Viewpoint. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
222	Magnetic chitosan microgels: Synthesis, characterization, and evaluation of magnetic field effect over the drug release behavior. *Carbohydrate Polymers*, **2020**, 250, 116879	10.3	8
221	Characterization of novel thermoresponsive poly(butylene adipate-co-terephthalate)/poly(N-isopropylacrylamide) electrospun fibers. *Polymer Bulletin*, **2020**, 77, 1157-1176	2.4	2
220	Chitosan/gellan gum ratio content into blends modulates the scaffolding capacity of hydrogels on bone mesenchymal stem cells. *Materials Science and Engineering C*, **2020**, 106, 110258	8.3	27
219	A sensitive electrochemical sensor for Pb2+ ions based on ZnO nanofibers functionalized by L-cysteine. *Journal of Molecular Liquids*, **2020**, 309, 113041	6	22
218	Chitosan/iota-carrageenan/curcumin-based materials performed by precipitating miscible solutions prepared in ionic liquid. *Journal of Molecular Liquids*, **2019**, 290, 111199	6	19
217	Polysaccharide-based adsorbents prepared in ionic liquid with high performance for removing Pb(II) from aqueous systems. *Carbohydrate Polymers*, **2019**, 215, 272-279	10.3	22
216	In situ growth of manganese oxide nanosheets over titanium dioxide nanofibers and their performance as active material for supercapacitor. *Journal of Colloid and Interface Science*, **2019**, 555, 373-382	9.3	22
215	Hydrogels Based on Chitosan and Chitosan Derivatives for Biomedical Applications **2019**,		3
214	Influence of process variables on the yield and diameter of zein-poly(N-isopropylacrylamide) fiber blends obtained by electrospinning. *Journal of Molecular Liquids*, **2019**, 292, 109971	6	9
213	pH-responsive alginate-based hydrogels for protein delivery. *Journal of Molecular Liquids*, **2018**, 262, 29-36	6	48

212	Synthesis, characterization and sorption studies of aromatic compounds by hydrogels of chitosan blended with □cyclodextrin- and PVA-functionalized pectin.. *RSC Advances*, **2018**, 8, 14609-14622	3.7	26
211	The Inclusion of Chitosan in Poly-□caprolactone Nanoparticles: Impact on the Delivery System Characteristics and on the Adsorbed Ovalbumin Secondary Structure. *AAPS PharmSciTech*, **2018**, 19, 101-113	3.9	9
210	Cellulose nanowhiskers decorated with silver nanoparticles as an additive to antibacterial polymers membranes fabricated by electrospinning. *Journal of Colloid and Interface Science*, **2018**, 531, 705-715	9.3	39
209	Magnetic microspheres composite from poly(ethylene terephthalate) (PET) waste: Synthesis and characterization. *Journal of Cleaner Production*, **2018**, 198, 979-986	10.3	14
208	Chitosan-based hydrogels: From preparation to biomedical applications. *Carbohydrate Polymers*, **2018**, 196, 233-245	10.3	306
207	Formulation of chloroaluminum phthalocyanine incorporated into PS-b-PAA diblock copolymer nanomicelles. *Journal of Molecular Liquids*, **2018**, 271, 949-958	6	10
206	Chondroitin sulfate immobilization at the surface of electrospun nanofiber meshes for cartilage tissue regeneration approaches. *Applied Surface Science*, **2017**, 403, 112-125	6.7	32
205	Interactions between copper(II) dibrominated salen complex and copolymeric micelles of P-123 and F-127. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 532, 583-591	5.1	6
204	Antibacterial Performance of a PCL-PDMAEMA Blend Nanofiber-Based Scaffold Enhanced with Immobilized Silver Nanoparticles. *ACS Applied Materials & Interfaces*, **2017**, 9, 9304-9314	9.5	29
203	Curcumin-loaded dual pH- and thermo-responsive magnetic microcarriers based on pectin maleate for drug delivery. *Carbohydrate Polymers*, **2017**, 171, 259-266	10.3	54
202	Polyelectrolyte complexes based on alginate/tanfloc: Optimization, characterization and medical application. *International Journal of Biological Macromolecules*, **2017**, 103, 129-138	7.9	31
201	Scaffolds based on chitosan/pectin thermosensitive hydrogels containing gold nanoparticles. *International Journal of Biological Macromolecules*, **2017**, 102, 1186-1194	7.9	54
200	Chitosan/chondroitin sulfate hydrogels prepared in [Hmim][HSO] ionic liquid. *Carbohydrate Polymers*, **2017**, 170, 99-106	10.3	39
199	Optical, morphological and dielectric characterization of MBBA liquid crystal-doped hydrogels. *Journal of Molecular Liquids*, **2017**, 229, 319-329	6	10
198	Poisoning Effects of Water and Dyes on the [Bmim][BF4] Catalysis of Poly(Ethylene Terephthalate) (PET) Depolymerization under Supercritical Ethanol. *Catalysts*, **2017**, 7, 43	4	3
197	Chitin and Chitosan-Based (NANO) Composites **2017**, 671-700		3
196	Adsorption and controlled release of potassium, phosphate and ammonia from modified Arabic gum-based hydrogel. *International Journal of Biological Macromolecules*, **2017**, 105, 363-369	7.9	33
195	Recent Advances in Designing Hydrogels from Chitin and Chitin-Derivatives and their Impact on Environment and Agriculture: A Review. *Revista Virtual De Quimica*, **2017**, 9, 370-386	1.3	27

194	Polysaccharide-Based Materials Associated with or Coordinated to Gold Nanoparticles: Synthesis and Medical Application. *Current Medicinal Chemistry*, **2017**, 24, 2701-2735	4.3	28
193	Supercritical ethanolysis for biodiesel production from edible oil waste using ionic liquid [HMim][HSO4] as catalyst. *Applied Catalysis B: Environmental*, **2016**, 181, 289-297	21.8	62
192	Hybrid materials for bone tissue engineering from biomimetic growth of hydroxiapatite on cellulose nanowhiskers. *Carbohydrate Polymers*, **2016**, 152, 734-746	10.3	49
191	Sustained release of potassium diclofenac from a pH-responsive hydrogel based on gum arabic conjugates into simulated intestinal fluid. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	12
190	Preparation and cytotoxicity of N-modified chitosan nanoparticles applied in curcumin delivery. *International Journal of Biological Macromolecules*, **2016**, 87, 237-45	7.9	51
189	Extent of shielding by counterions determines the bactericidal activity of N,N,N-trimethyl chitosan salts. *Carbohydrate Polymers*, **2016**, 137, 418-425	10.3	26
188	Preparation of Polymeric Micelles of Poly(Ethylene Oxide-b-Lactic Acid) and their Encapsulation With Lavender Oil. *Materials Research*, **2016**, 19, 1356-1365	1.5	11
187	Oligomer production through glycolysis of poly(ethylene terephthalate): effects of temperature and water content on reaction extent. *Polymer International*, **2016**, 65, 1024-1030	3.3	14
186	The effect of methacrylation on the behavior of Gum Arabic as pH-responsive matrix for colon-specific drug delivery. *European Polymer Journal*, **2016**, 78, 326-339	5.2	18
185	Structural, thermal, optical properties and cytotoxicity of PMMA/ZnO fibers and films: Potential application in tissue engineering. *Applied Surface Science*, **2016**, 385, 257-267	6.7	35
184	Self-Assembly of Oligosaccharide-b-PMMA Block Copolymer Systems: Glyco-Nanoparticles and Their Degradation under UV Exposure. *Langmuir*, **2016**, 32, 4538-45	4	9
183	Advanced fibroblast proliferation inhibition for biocompatible coating by electrostatic layer-by-layer assemblies of heparin and chitosan derivatives. *Journal of Colloid and Interface Science*, **2016**, 474, 9-17	9.3	29
182	Hydroxyapatite nanowhiskers embedded in chondroitin sulfate microspheres as colon targeted drug delivery systems. *Journal of Materials Chemistry B*, **2015**, 3, 6837-6846	7.3	18
181	Nanoparticles Made From Xyloglucan-Block-Polycaprolactone Copolymers: Safety Assessment for Drug Delivery. *Toxicological Sciences*, **2015**, 147, 104-15	4.4	29
180	Superabsorbent hydrogels based on polysaccharides for application in agriculture as soil conditioner and nutrient carrier: A review. *European Polymer Journal*, **2015**, 72, 365-385	5.2	357
179	PS-b-PAA nanovesicles coated by modified PEIs bearing hydrophobic and hydrophilic groups. *Journal of Molecular Liquids*, **2015**, 210, 29-36	6	4
178	Synthesis and controlled curcumin supramolecular complex release from pH-sensitive modified gum-arabic-based hydrogels. *RSC Advances*, **2015**, 5, 94519-94533	3.7	27
177	Hydrogels Nanocomposites Based on Crystals, Whiskers and Fibrils Derived from Biopolymers. *Advanced Structured Materials*, **2015**, 43-71	0.6	11

176	Smart hydrogel beads with potential therapeutic target in Caco-2 colon cancer cells. *Journal of Controlled Release*, **2015**, 213, e29	11.7	2
175	Polyelectrolyte complexes of poly[(2-dimethylamino) ethyl methacrylate]/chondroitin sulfate obtained at different pHs: Preparation, characterization, cytotoxicity and controlled release of chondroitin sulfate. *Journal of Controlled Release*, **2015**, 213, e29-30	11.7	2
174	Hydrogel nanocomposite based on starch and Co-doped zinc ferrite nanoparticles that shows magnetic field-responsive drug release changes. *Journal of Molecular Liquids*, **2015**, 210, 100-105	6	33
173	Shielding effect of Surface ion pairsSon physicochemical and bactericidal properties of N,N,N-trimethyl chitosan salts. *Carbohydrate Research*, **2015**, 402, 252-60	2.9	29
172	Synthesis of a microhydrogel composite from cellulose nanowhiskers and starch for drug delivery. *Carbohydrate Polymers*, **2015**, 115, 715-22	10.3	50
171	Synthesis and characterization of pectin derivative with antitumor property against Caco-2 colon cancer cells. *Carbohydrate Polymers*, **2015**, 115, 139-45	10.3	56
170	Preparation and cytotoxicity of N,N,N-trimethyl chitosan/alginate beads containing gold nanoparticles. *International Journal of Biological Macromolecules*, **2015**, 72, 466-71	7.9	46
169	Drug release mechanisms of chemically cross-linked albumin microparticles: Effect of the matrix erosion. *Journal of Controlled Release*, **2015**, 213, e8	11.7	0
168	Bactericidal activity of hydrogel beads based on N,N,N-trimethyl chitosan/alginate complexes loaded with silver nanoparticles. *Chinese Chemical Letters*, **2015**, 26, 1129-1132	8.1	30
167	Glyco-Nanoparticles Made from Self-Assembly of Maltoheptaose-block-Poly(methyl methacrylate): Micelle, Reverse Micelle, and Encapsulation. *Biomacromolecules*, **2015**, 16, 2012-24	6.9	31
166	Polyelectrolyte complex containing silver nanoparticles with antitumor property on Caco-2 colon cancer cells. *International Journal of Biological Macromolecules*, **2015**, 79, 748-55	7.9	31
165	Fast dye removal from water by starch-based nanocomposites. *Journal of Colloid and Interface Science*, **2015**, 454, 200-9	9.3	93
164	N,N-Dimethyl chitosan/heparin polyelectrolyte complex vehicle for efficient heparin delivery. *International Journal of Biological Macromolecules*, **2015**, 75, 186-91	7.9	36
163	Silk fibroin nanofibers electrospun on glass fiber as a potential device for solid phase microextraction. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	8
162	(1)H NMR and (1)H-(13)C HSQC surface characterization of chitosan-chitin sheath-core nanowhiskers. *Carbohydrate Polymers*, **2015**, 123, 46-52	10.3	42
161	Chapter 7:Outstanding Features of Starch-based Hydrogel Nanocomposites. *RSC Green Chemistry*, **2015**, 236-262	0.9	1
160	Chitosan-sheath and chitin-core nanowhiskers. *Carbohydrate Polymers*, **2014**, 107, 158-66	10.3	69
159	Polycaprolactone nanoparticles containing encapsulated progesterone prepared using a scCO2 emulsion drying technique. *Materials Letters*, **2014**, 124, 197-200	3.3	14

158	PET depolymerisation in supercritical ethanol catalysed by [Bmim][BF4]. *RSC Advances*, **2014**, 4, 20308-20316	3.7	26
157	Miscibility studies on polychloroprene/natural rubber (PCP/NR) blends by dilute solution viscometry (DSV) and scanning electronic microscopy (SEM) methods. *Journal of Molecular Liquids*, **2014**, 190, 146-150	6	3
156	Polyelectrolyte complexes of poly[(2-dimethylamino) ethyl methacrylate]/chondroitin sulfate obtained at different pHs: I. Preparation, characterization, cytotoxicity and controlled release of chondroitin sulfate. *International Journal of Pharmaceutics*, **2014**, 477, 197-207	6.5	31
155	Drug release mechanisms of chemically cross-linked albumin microparticles: effect of the matrix erosion. *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 404-413	6	19
154	Transport properties of ephedrine hydrochloride through poly(vinyl alcohol) matricesâ simple method for enantiomeric differentiation. *Colloid and Polymer Science*, **2014**, 292, 1665-1673	2.4	3
153	Sulfated glycosaminoglycan-based block copolymer: preparation of biocompatible chondroitin sulfate-b-poly(lactic acid) micelles. *Biomacromolecules*, **2014**, 15, 2691-700	6.9	33
152	Preparing silk fibroin nanofibers through electrospinning: further heparin immobilization toward hemocompatibility improvement. *Biomacromolecules*, **2014**, 15, 1762-7	6.9	41
151	Recent advances in food-packing, pharmaceutical and biomedical applications of zein and zein-based materials. *International Journal of Molecular Sciences*, **2014**, 15, 22438-70	6.3	149
150	Antimicrobial activity of chitosan derivatives containing N-quaternized moieties in its backbone: a review. *International Journal of Molecular Sciences*, **2014**, 15, 20800-32	6.3	181
149	Superabsorbent hydrogel composites with a focus on hydrogels containing nanofibers or nanowhiskers of cellulose and chitin. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	56
148	Synthesis and characterization of chitosan-graft-poly(acrylic acid)/nontronite hydrogel composites based on a design of experiments. *Journal of Applied Polymer Science*, **2013**, 128, 3480-3489	2.9	19
147	Covalent albumin microparticles as an adjuvant for production of mucosal vaccines against hepatitis B. *Biomacromolecules*, **2013**, 14, 3231-7	6.9	3
146	PET and aluminum recycling from multilayer food packaging using supercritical ethanol. *Journal of Supercritical Fluids*, **2013**, 75, 138-143	4.2	39
145	The influence of chondroitin sulfate on composite multilamellar liposomes containing chitosan. *Colloid and Polymer Science*, **2013**, 291, 1057-1064	2.4	1
144	Poly(acrylamide-co-acrylate)/rice husk ash hydrogel composites. II. Temperature effect on rice husk ash obtention. *Composites Part B: Engineering*, **2013**, 51, 246-253	10	38
143	Starch-based microspheres for sustained-release of curcumin: preparation and cytotoxic effect on tumor cells. *Carbohydrate Polymers*, **2013**, 98, 711-20	10.3	56
142	Dual-network hydrogels based on chemically and physically crosslinked chitosan/chondroitin sulfate. *Reactive and Functional Polymers*, **2013**, 73, 1662-1671	4.6	39
141	Characterization of N-trimethyl chitosan/alginate complexes and curcumin release. *International Journal of Biological Macromolecules*, **2013**, 57, 174-84	7.9	98

140	Synthesis, characterization, and cytotoxicity of TMC-graft-poly(vinyl alcohol) copolymers. *Carbohydrate Research*, **2013**, 381, 153-60	2.9	19
139	DNA-poly(vinyl alcohol) gel matrices: release properties are strongly dependent on electrolytes and cationic surfactants. *Colloids and Surfaces B: Biointerfaces*, **2013**, 101, 111-7	6	6
138	Silver sulfadiazine loaded chitosan/chondroitin sulfate films for a potential wound dressing application. *Materials Science and Engineering C*, **2013**, 33, 588-95	8.3	78
137	Incorporation of theophylline in a chitosan/chondroitin sulfate hydrogel matrix: In vitro release studies and mechanical properties according to pH changes. *Journal of Applied Polymer Science*, **2013**, 128, 3417-3424	2.9	8
136	Temperature and pH effects on the stability and rheological behavior of the aqueous suspensions of smart polymers based on N-isopropylacrylamide, chitosan, and acrylic acid. *Journal of Applied Polymer Science*, **2013**, 129, 334-345	2.9	26
135	Síntese e caracterização de hidrogéis compósitos a partir de copolímeros acrilamida-acrilato e caulim: efeito da constituição de diferentes caulins do nordeste brasileiro. *Quimica Nova*, **2013**, 36, 40-45	1.6	5
134	Glycerol-derived polyurethane nanocomposites containing cellulose nanowhiskers - doi: 10.4025/actascitechnol.v35i4.20276. *Acta Scientiarum - Technology*, **2013**, 35,	0.5	6
133	Hosted Formation of PbS Crystals on Polyethylene Modified Surface. *Journal of the Brazilian Chemical Society*, **2013**, 24, 336-343	1.5	6
132	Synthesis of a thermosensitive surface by construction of a thin layer of poly (N-isopropylacrylamide) on maleimide-immobilized polypropylene. *Journal of Colloid and Interface Science*, **2012**, 367, 494-501	9.3	7
131	Nanocomposites based on poly(acrylamide-co-acrylate) and cellulose nanowhiskers. *European Polymer Journal*, **2012**, 48, 454-463	5.2	96
130	Development of a new topological index for the prediction of normal boiling point temperatures of hydrocarbons: The Fi index. *Journal of Molecular Liquids*, **2012**, 165, 125-132	6	11
129	Thermo- and pH-sensitive IPN hydrogels based on PNIPAAm and PVA-Ma networks with LCST tailored close to human body temperature. *Materials Science and Engineering C*, **2012**, 32, 1259-1265	8.3	29
128	Hydrogels composite of poly(acrylamide-co-acrylate) and rice husk ash. I. Synthesis and characterization. *Journal of Applied Polymer Science*, **2012**, 123, 879-887	2.9	18
127	Hydrogel based on an alginateâCa2+/chondroitin sulfate matrix as a potential colon-specific drug delivery system. *RSC Advances*, **2012**, 2, 11095	3.7	65
126	Natural polymer-based magnetic hydrogels: Potential vectors for remote-controlled drug release. *Carbohydrate Polymers*, **2012**, 90, 1216-25	10.3	60
125	Antiadhesive and antibacterial multilayer films via layer-by-layer assembly of TMC/heparin complexes. *Biomacromolecules*, **2012**, 13, 3711-22	6.9	74
124	Chitosan/TPP microparticles obtained by microemulsion method applied in controlled release of heparin. *International Journal of Biological Macromolecules*, **2012**, 51, 1127-33	7.9	103
123	Albumin release from a brain-resembling superabsorbent magnetic hydrogel based on starch. *Soft Matter*, **2012**, 8, 6629	3.6	42

122	Chitosan-graft-poly(acrylic acid)/rice husk ash based superabsorbent hydrogel composite: preparation and characterization. *Journal of Polymer Research*, **2012**, 19, 1	2.7	264
121	IPN hydrogels based on PNIPAAm and PVA-Ma networks: characterization through measure of LCST, swelling ratio and mechanical properties. *Acta Scientiarum - Technology*, **2012**, 34,	0.5	1
120	Superabsorbent hydrogel nanocomposites based on starch-g-poly(sodium acrylate) matrix filled with cellulose nanowhiskers. *Cellulose*, **2012**, 19, 1225-1237	5.5	101
119	Synthesis of luminescent polycarbonate grafted with methyl methacrylate/europium complex using supercritical CO2 technology as a green chemistry method. *Journal of Materials Science*, **2012**, 47, 4965-4971	4.3	3
118	Polyelectrolyte complexes based on pectinâNH2 and chondroitin sulfate. *Carbohydrate Polymers*, **2012**, 87, 1950-1955	10.3	38
117	Superabsorbent hydrogel composite made of cellulose nanofibrils and chitosan-graft-poly(acrylic acid). *Carbohydrate Polymers*, **2012**, 87, 2038-2045	10.3	198
116	Development and application of chitosan/poly(vinyl alcohol) films for removal and recovery of Pb(II). *Chemical Engineering Journal*, **2012**, 183, 253-260	14.7	48
115	Designing nanostructured microspheres with well-defined outlines by mixing carboxyl-functionalized amylose and magnetite via ultrasound. *Chemical Engineering Journal*, **2012**, 189-190, 456-463	14.7	13
114	Hydrogels based on chemically modified poly(vinyl alcohol) (PVA-GMA) and PVA-GMA/chondroitin sulfate: Preparation and characterization. *EXPRESS Polymer Letters*, **2012**, 6, 383-395	3.4	39
113	Synthesis and characterization of polyurethane composites of wood waste and polyols from chemically recycled pet. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 189-195	8.4	42
112	Synthesis and characterization of ZnO/PET composite using supercritical carbon dioxide impregnation technology. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 757-761	8.4	20
111	Chemical recycling of PET by catalyzed glycolysis: Kinetics of the heterogeneous reaction. *Chemical Engineering Journal*, **2011**, 173, 210-219	14.7	59
110	Polyelectrolyte complexes of chitosan/heparin and N,N,N-trimethyl chitosan/heparin obtained at different pH: I. Preparation, characterization, and controlled release of heparin. *Colloid and Polymer Science*, **2011**, 289, 1133-1144	2.4	48
109	Effect of stoichiometry and pH on the structure and properties of Chitosan/Chondroitin sulfate complexes. *Colloid and Polymer Science*, **2011**, 289, 1739-1748	2.4	23
108	Solid-state radical grafting reaction of glycidyl methacrylate and poly(4-methyl-1-pentene) in supercritical carbon dioxide: surface morphology and adhesion. *Journal of Colloid and Interface Science*, **2011**, 361, 331-7	9.3	12
107	Characterization of polyelectrolytes complexes based on N,N,N-trimethyl chitosan/heparin prepared at different pH conditions. *Carbohydrate Polymers*, **2011**, 86, 1266-1272	10.3	81
106	Efficiency of hydrogels based on natural polysaccharides in the removal of Cd2+ ions from aqueous solutions. *Chemical Engineering Journal*, **2011**, 168, 68-76	14.7	75
105	Two-step synthesis and properties of a magnetic-field-sensitive modified maltodextrin-based hydrogel. *Polymer International*, **2011**, 60, n/a-n/a	3.3	8

104	Preparation and characterization of hydrophilic, spectroscopic, and kinetic properties of hydrogels based on polyacrylamide and methylcellulose polysaccharide. *Journal of Applied Polymer Science*, **2011**, 120, 3004-3013	2.9	22
103	Copolymer hydrogel microspheres consisting of modified sulfate chondroitin-co-poly(N-isopropylacrylamide). *Journal of Applied Polymer Science*, **2011**, 121, 2726-2733	2.9	6
102	Effect of magnetite on the adsorption behavior of Pb(II), Cd(II), and Cu(II) in chitosan-based hydrogels. *Desalination*, **2011**, 275, 187-196	10.3	117
101	Effect of starch type on miscibility in poly(ethylene oxide) (PEO)/starch blends and cytotoxicity assays. *Materials Science and Engineering C*, **2011**, 31, 443-451	8.3	41
100	Preparation and Characterization of Zein and Zein-Chitosan Microspheres with Great Prospective of Application in Controlled Drug Release. *Journal of Nanomaterials*, **2011**, 2011, 1-6	3.2	56
99	Miscibility influence in the thermal stability and kinetic parameters of poly (3-hydroxybutyrate)/poly (ethylene terephthalate) sulphonated blends. *Polimeros*, **2010**, 20, 153-158	1.6	11
98	Release of DNA from cryogel PVA-DNA membranes. *EXPRESS Polymer Letters*, **2010**, 4, 480-487	3.4	14
97	Polymer-polymer miscibility in PEO/cationic starch and PEO/hydrophobic starch blends. *EXPRESS Polymer Letters*, **2010**, 4, 488-499	3.4	22
96	Polychloroprene Degradation by Photo-Fenton. Conductivity Measures as New Approach for Detecting/Evaluation of Degradation Products. *Journal of Polymers and the Environment*, **2010**, 18, 668-673	4.5	5
95	Polychloroprene degradation by a photo-Fenton process: The effect of solvent. *Journal of Molecular Liquids*, **2010**, 157, 146-150	6	2
94	Kinetic study of Chondroitin Sulphate release from Chondroitin Sulphate/Chitosan complex hydrogel. *Journal of Molecular Liquids*, **2010**, 156, 28-32	6	24
93	Time- and pH-dependent self-rearrangement of a swollen polymer network based on polyelectrolytes complexes of chitosan/chondroitin sulfate. *Carbohydrate Polymers*, **2010**, 80, 934-943	10.3	63
92	Morfologia de hidrogîs-ipn termo-sensveis e ph-responsivos para aplicao como biomaterial na cultura de clulas. *Polimeros*, **2009**, 19, 105-110	1.6	6
91	Optimization of the carrot leaf dehydration aiming at the preservation of omega-3 fatty acids. *Quimica Nova*, **2009**, 32, 1334-1337	1.6	9
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