Adley Forti Rubira

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235 papers	7,112 citations	46 h-index	70 g-index
246 ext. papers	7,965 ext. citations	5.6 avg, IF	5.91 L-index

#	Paper	IF	Citations
235	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
234	Chitosan-based hydrogels: From preparation to biomedical applications. *Carbohydrate Polymers*, **2018**, 196, 233-245	10.3	306
233	Superabsorbent hydrogel composite made of cellulose nanofibrils and chitosan-graft-poly(acrylic acid). *Carbohydrate Polymers*, **2012**, 87, 2038-2045	10.3	198
232	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
231	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
230	Reaction of glycidyl methacrylate at the hydroxyl and carboxylic groups of poly(vinyl alcohol) and poly(acrylic acid): is this reaction mechanism still unclear?. *Journal of Organic Chemistry*, **2009**, 74, 3750-7	4.2	134
229	Synthesis of a novel superabsorbent hydrogel by copolymerization of acrylamide and cashew gum modified with glycidyl methacrylate. *Carbohydrate Polymers*, **2005**, 61, 464-471	10.3	122
228	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
227	Superabsorbent hydrogel nanocomposites based on starch-g-poly(sodium acrylate) matrix filled with cellulose nanowhiskers. *Cellulose*, **2012**, 19, 1225-1237	5.5	101
226	Characterization of N-trimethyl chitosan/alginate complexes and curcumin release. *International Journal of Biological Macromolecules*, **2013**, 57, 174-84	7.9	98
225	Nanocomposites based on poly(acrylamide-co-acrylate) and cellulose nanowhiskers. *European Polymer Journal*, **2012**, 48, 454-463	5.2	96
224	Assessment of two immobilized lipases activity treated in compressed fluids. *Journal of Supercritical Fluids*, **2006**, 38, 373-382	4.2	96
223	Surface modification of HDPE, PP, and PET films with KMnO4/HCl solutions. *Polymer Degradation and Stability*, **2007**, 92, 1219-1226	4.7	89
222	Hydrogels based on PAAm network with PNIPAAm included: hydrophilicâ€“hydrophobic transition measured by the partition of Orange II and Methylene Blue in water. *Polymer*, **2003**, 44, 4213-4219	3.9	83
221	Synthesis and characterization of pH-responsive hydrogels based on chemically modified Arabic gum polysaccharide. *Polymer*, **2006**, 47, 2023-2029	3.9	82
220	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
219	Aplicaã§ãµes de fibras lignocelulã³sicas na quãmica de polãmeros e em compã³sitos. *Quimica Nova*, **2009**, 32, 661-671	1.6	81

218	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
217	Precipitation of □carotene and PHBV and co-precipitation from SEDS technique using supercritical CO2. *Journal of Supercritical Fluids*, **2008**, 47, 259-269	4.2	78
216	Antiadhesive and antibacterial multilayer films via layer-by-layer assembly of TMC/heparin complexes. *Biomacromolecules*, **2012**, 13, 3711-22	6.9	74
215	Hydrogel based on an alginateâ□Ca2+/chondroitin sulfate matrix as a potential colon-specific drug delivery system. *RSC Advances*, **2012**, 2, 11095	3.7	65
214	Mathematical model for the prediction of the overall profile of in vitro solute release from polymer networks. *Journal of Colloid and Interface Science*, **2007**, 310, 128-35	9.3	64
213	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
212	□ fatty acids in freshwater fish from south brazil. *JAOCS, Journal of the American Oil Chemistsl Society*, **1995**, 72, 1207-1210	1.8	62
211	Limitations of the pseudophase model of micellar catalysis. The dehydrochlorination of 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane and some of its derivatives. *The Journal of Physical Chemistry*, **1982**, 86, 1881-1885		61
210	Chemical recycling of PET by catalyzed glycolysis: Kinetics of the heterogeneous reaction. *Chemical Engineering Journal*, **2011**, 173, 210-219	14.7	59
209	Characterization of PNIPAAm photografted on PET and PS surfaces. *Applied Surface Science*, **2005**, 245, 223-233	6.7	59
208	Water transport properties through starch-based hydrogel nanocomposites responding to both pH and a remote magnetic field. *Chemical Engineering Journal*, **2015**, 259, 620-629	14.7	57
207	Porous alginate-Ca2+ hydrogels interpenetrated with PNIPAAm networks: Interrelationship between compressive stress and pore morphology. *European Polymer Journal*, **2005**, 41, 2845-2852	5.2	57
206	Synthesis and characterization of pectin derivative with antitumor property against Caco-2 colon cancer cells. *Carbohydrate Polymers*, **2015**, 115, 139-45	10.3	56
205	Starch-based microspheres for sustained-release of curcumin: preparation and cytotoxic effect on tumor cells. *Carbohydrate Polymers*, **2013**, 98, 711-20	10.3	56
204	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
203	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
202	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
201	Thermo-sensitive hydrogels membranes from PAAm networks and entangled PNIPAAm: effect of temperature, cross-linking and PNIPAAm contents on the water uptake and permeability. *Reactive and Functional Polymers*, **2004**, 61, 233-243	4.6	53

200	Release of BSA from porous matrices constituted of alginateâCa2+ and PNIPAAm-interpenetrated networks. *Materials Science and Engineering C*, **2009**, 29, 2319-2325	8.3	52
199	Self-assembly of a swollen chitosan/chondroitin sulfate hydrogel by outward diffusion of the chondroitin sulfate chains. *Acta Biomaterialia*, **2009**, 5, 2601-9	10.8	51
198	Solvent effects on the miscibility of poly(methyl methacrylate)/poly(vinyl acetate) blends. *Polymer*, **1999**, 40, 5129-5135	3.9	51
197	Synthesis of a microhydrogel composite from cellulose nanowhiskers and starch for drug delivery. *Carbohydrate Polymers*, **2015**, 115, 715-22	10.3	50
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194	pH-responsive alginate-based hydrogels for protein delivery. *Journal of Molecular Liquids*, **2018**, 262, 29-36	6	48
193	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
192	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
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190	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
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185	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
184	Mechanically improved polyvinyl alcohol-composite films using modified cellulose nanowhiskers as nano-reinforcement. *Carbohydrate Polymers*, **2018**, 191, 25-34	10.3	41
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159	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
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152	Effects of europium (III) acetylacetonate doping on the miscibility and photoluminescent properties of polycarbonate and poly(methyl methacrylate) blends. *Polymer*, **2005**, 46, 253-259	3.9	30
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117	Deriving Efficient Porous Heteroatom-Doped Carbon Electrocatalysts for Hydrazine Oxidation from Transition Metal Ions-Coordinated Casein. *Advanced Functional Materials*, **2019**, 29, 1808486	15.6	19
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