Jos L Gmez-Ribelles

List of Publications by Year in Descending Order

324 papers	8,026 citations	46 h-index	65 g-index
334 ext. papers	8,654 ext. citations	4 avg, IF	5.9 L-index

#	Paper	IF	Citations
324	Novel microgel culture system as semi-solid three-dimensional in vitro model for the study of multiple myeloma proliferation and drug resistance **2022**, 212749		1
323	Biomimetic 3D Environment Based on Microgels as a Model for the Generation of Drug Resistance in Multiple Myeloma. *Materials*, **2021**, 14,	3.5	1
322	Effective elastin-like recombinamers coating on poly(vinylidene) fluoride membranes for mesenchymal stem cell culture. *European Polymer Journal*, **2021**, 146, 110269	5.2	0
321	Crystallization Monitoring of Semicrystalline Poly(vinylidene fluoride)/1-Ethyl-3-methylimidazolium Hexafluorophosphate [Emim][PF6] Ionic Liquid Blends. *Crystal Growth and Design*, **2021**, 21, 4406-4416	3.5	0
320	Covalent functionalization of decellularized tissues accelerates endothelialization. *Bioactive Materials*, **2021**, 6, 3851-3864	16.7	3
319	Effect of Ionic Liquid Content on the Crystallization Kinetics and Morphology of Semicrystalline Poly(vinylidene Fluoride)/Ionic Liquid Blends. *Crystal Growth and Design*, **2020**, 20, 4967-4979	3.5	8
318	Temperature and pH responsive behavior of antifouling zwitterionic mesoporous silica nanoparticles. *Journal of Applied Physics*, **2020**, 127, 135106	2.5	3
317	Effect of electrical stimulation on chondrogenic differentiation of mesenchymal stem cells cultured in hyaluronic acid - Gelatin injectable hydrogels. *Bioelectrochemistry*, **2020**, 134, 107536	5.6	6
316	A cell-free approach with a supporting biomaterial in the form of dispersed microspheres induces hyaline cartilage formation in a rabbit knee model. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2020**, 108, 1428-1438	3.5	3
315	A new waterborne chitosan-based polyurethane hydrogel as a vehicle to transplant bone marrow mesenchymal cells improved wound healing of ulcers in a diabetic rat model. *Carbohydrate Polymers*, **2020**, 231, 115734	10.3	32
314	Non-Markovian Methods in Glass Transition. *Polymers*, **2020**, 12,	4.5	1
313	Dielectric relaxation dynamics in poly(vinylidene fluoride)/Pb(Zr0.53Ti0.47)O3 composites. *Polymer*, **2020**, 204, 122811	3.9	3
312	Poly(vinylidene) fluoride membranes coated by heparin/collagen layer-by-layer, smart biomimetic approaches for mesenchymal stem cell culture. *Materials Science and Engineering C*, **2020**, 117, 111281	8.3	11
311	In Vitro Modeling of Non-Solid Tumors: How Far Can Tissue Engineering Go?. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
310	Design and characterization of microspheres for a 3D mesenchymal stem cell culture. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111322	6	4
309	Biomimetic microspheres for 3D mesenchymal stem cell culture and characterization. *Colloids and Surfaces B: Biointerfaces*, **2019**, 177, 68-76	6	11
308	An innovative bioresorbable gelatin based 3D scaffold that maintains the stemness of adipose tissue derived stem cells and the plasticity of differentiated neurons.. *RSC Advances*, **2019**, 9, 14452-14464	3.7	6

307	Molecular relaxation and ionic conductivity of ionic liquids confined in a poly(vinylidene fluoride) polymer matrix: Influence of anion and cation type. *Polymer*, **2019**, 171, 58-69	3.9	14
306	Solid polymer electrolytes based on lithium bis(trifluoromethanesulfonyl)imide/poly(vinylidene fluoride -co-hexafluoropropylene) for safer rechargeable lithium-ion batteries. *Sustainable Materials and Technologies*, **2019**, 21, e00104	5.3	10
305	Development of multilayer Hydroxyapatite - Ag/TiN-Ti coatings deposited by radio frequency magnetron sputtering with potential application in the biomedical field. *Surface and Coatings Technology*, **2019**, 377, 124856	4.4	4
304	Freeze-extraction microporous electroactive supports for cell culture. *European Polymer Journal*, **2019**, 119, 531-540	5.2	4
303	Influence of Cation and Anion Type on the Formation of the Electroactive Phase and Thermal and Dynamic Mechanical Properties of Poly(vinylidene fluoride)/Ionic Liquids Blends. *Journal of Physical Chemistry C*, **2019**, 123, 27917-27926	3.8	28
302	Antifouling zwitterionic pSBMA-MSN particles for biomedical applications. *Polymers for Advanced Technologies*, **2019**, 30, 688-697	3.2	7
301	Ionic and conformational mobility in poly(vinylidene fluoride)/ionic liquid blends: Dielectric and electrical conductivity behavior. *Polymer*, **2018**, 143, 164-172	3.9	24
300	Crystallization kinetics of poly(ethylene oxide) confined in semicrystalline poly(vinylidene) fluoride. *Journal of Polymer Science, Part B: Polymer Physics*, **2018**, 56, 588-597	2.6	10
299	Conformational Changes and Dynamics during Adsorption of Macromolecules with Different Degree of Polymerization Studied by Monte Carlo Simulations. *Macromolecular Theory and Simulations*, **2018**, 27, 1800012	1.5	2
298	Maintenance of chondrocyte phenotype during expansion on PLLA microtopographies. *Journal of Tissue Engineering*, **2018**, 9, 2041731418789829	7.5	10
297	Fluctuations of conformational mobility of macromolecules around the glass transition. *Physical Review E*, **2018**, 97, 062605	2.4	2
296	Fast degrading polymer networks based on carboxymethyl chitosan. *Materials Today Communications*, **2017**, 10, 54-66	2.5	6
295	Influence of oxygen levels on chondrogenesis of porcine mesenchymal stem cells cultured in polycaprolactone scaffolds. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 1684-1691	5.4	14
294	Biodegradable chitosan-poly(caprolactone) dialdehyde copolymer networks for soft tissue engineering. *Polymer Degradation and Stability*, **2017**, 138, 47-54	4.7	11
293	Kinetic study of thermal degradation of chitosan as a function of deacetylation degree. *Carbohydrate Polymers*, **2017**, 167, 52-58	10.3	45
292	Chitosan patterning on titanium implants. *Progress in Organic Coatings*, **2017**, 111, 23-28	4.8	19
291	Human platelet-rich plasma improves the nesting and differentiation of human chondrocytes cultured in stabilized porous chitosan scaffolds. *Journal of Tissue Engineering*, **2017**, 8, 2041731417697545	7.5	9
290	Emulsion based microencapsulation of proteins in poly(L-lactic acid) films and membranes for the controlled release of drugs. *Polymer Degradation and Stability*, **2017**, 146, 24-33	4.7	5

289	Development of a Ta/TaN/TaNx(Ag)y/TaN nanocomposite coating system and bio-response study for biomedical applications. *Vacuum*, **2017**, 145, 55-67	3.7	14
288	A study of some fundamental physicochemical variables on the morphology of mesoporous silica nanoparticles MCM-41 type. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	5
287	Synthesis of highly swellable hydrogels of water-soluble carboxymethyl chitosan and poly(ethylene glycol). *Polymer International*, **2017**, 66, 1624-1632	3.3	13
286	Human Mesenchymal Stem Cells Growth and Osteogenic Differentiation on Piezoelectric Poly(vinylidene fluoride) Microsphere Substrates. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	20
285	Electrospun PVA/Bentonite Nanocomposites Mats for Drug Delivery. *Materials*, **2017**, 10,	3.5	19
284	Biostable scaffolds of polyacrylate polymers implanted in the articular cartilage induce hyaline-like cartilage regeneration in rabbits. *International Journal of Artificial Organs*, **2017**, 40, 350-357	1.9	11
283	Design and validation of a biomechanical bioreactor for cartilage tissue culture. *Biomechanics and Modeling in Mechanobiology*, **2016**, 15, 471-8	3.8	11
282	Local deformation in a hydrogel induced by an external magnetic field. *Journal of Materials Science*, **2016**, 51, 9979-9990	4.3	3
281	Biodegradable polyester networks including hydrophilic groups favor BMSCs differentiation and can be eroded by macrophage action. *Polymer Degradation and Stability*, **2016**, 130, 38-46	4.7	4
280	Compositional changes to synthetic biodegradable scaffolds modulate the influence of hydrostatic pressure on chondrogenesis of mesenchymal stem cells. *Biomedical Physics and Engineering Express*, **2016**, 2, 035005	1.5	4
279	Differentiation of mesenchymal stem cells for cartilage tissue engineering: Individual and synergetic effects of three-dimensional environment and mechanical loading. *Acta Biomaterialia*, **2016**, 33, 1-12	10.8	71
278	Prediction of the "in vivo" mechanical behavior of biointegrable acrylic macroporous scaffolds. *Materials Science and Engineering C*, **2016**, 61, 651-8	8.3	1
277	MC3T3-E1 Cell Response to Ti1-xAgx and Ag-TiNx Electrodes Deposited on Piezoelectric Poly(vinylidene fluoride) Substrates for Sensor Applications. *ACS Applied Materials & Interfaces*, **2016**, 8, 4199-207	9.5	7
276	Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene fluoride). *Materials and Design*, **2016**, 92, 674-681	8.1	46
275	Hydrophobic/hydrophilic P(VDF-TrFE)/PHEA polymer blend membranes. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 672-679	2.6	3
274	In vitro assessment of the biological response of Ti6Al4V implants coated with hydroxyapatite microdomains. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 2723-9	5.4	11
273	Mechanical fatigue performance of PCL-chondroprogenitor constructs after cell culture under bioreactor mechanical stimulus. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2016**, 104, 330-8	3.5	5
272	Effects of Solvent Crystallization in Swollen net-Poly(ethyl acrylate) Relaxation Dynamics. *Journal of Physical Chemistry B*, **2016**, 120, 13206-13217	3.4	

271	Role of chemical crosslinking in material-driven assembly of fibronectin (nano)networks: 2D surfaces and 3D scaffolds. *Colloids and Surfaces B: Biointerfaces*, **2016**, 148, 324-332	6	6
270	Surface stiffening and enhanced photoluminescence of ion implanted cellulose - polyvinyl alcohol - silica composite. *Carbohydrate Polymers*, **2016**, 153, 619-630	10.3	5
269	Macroporous thin membranes for cell transplant in regenerative medicine. *Biomaterials*, **2015**, 67, 254-63	15.6	1
268	Determining the influence of N-acetylation on water sorption in chitosan films. *Carbohydrate Polymers*, **2015**, 133, 110-6	10.3	20
267	Influence of oxygen plasma treatment parameters on poly(vinylidene fluoride) electrospun fiber mats wettability. *Progress in Organic Coatings*, **2015**, 85, 151-158	4.8	59
266	Engineering Interpenetrating Polymer Networks of Poly(2-Hydroxyethyl Acrylate) as Ex Vivo Platforms for Articular Cartilage Regeneration. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2015**, 64, 745-754	3	4
265	Reinforcing an Injectable Gelatin Hydrogel with PLLA Microfibers: Two Routes for Short Fiber Production. *Macromolecular Materials and Engineering*, **2015**, 300, 977-988	3.9	16
264	Thermal–mechanical behaviour of chitosan–cellulose derivative thermoreversible hydrogel films. *Cellulose*, **2015**, 22, 1911-1929	5.5	38
263	Relationship between micro-porosity, water permeability and mechanical behavior in scaffolds for cartilage engineering. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 48, 60-69	4.1	48
262	Effect of the degree of porosity on the performance of poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blend membranes for lithium-ion battery separators. *Solid State Ionics*, **2015**, 280, 1-9	3.3	24
261	Thermal analysis of water in reinforced plasma-polymerised poly(2-hydroxyethyl acrylate) hydrogels. *European Polymer Journal*, **2015**, 72, 523-534	5.2	18
260	Effect of the physicochemical properties of pure or chitosan-coated poly(L-lactic acid)scaffolds on the chondrogenic differentiation of mesenchymal stem cells from osteoarthritic patients. *Tissue Engineering - Part A*, **2015**, 21, 716-28	3.9	8
259	In vitro mechanical fatigue behavior of poly-e-caprolactone macroporous scaffolds for cartilage tissue engineering: Influence of pore filling by a poly(vinyl alcohol) gel. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2015**, 103, 1037-43	3.5	12
258	Crosslinked fibrin gels for tissue engineering: two approaches to improve their properties. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 614-21	5.4	24
257	Biointegration of corneal macroporous membranes based on poly(ethyl acrylate) copolymers in an experimental animal model. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 1106-18	5.4	23
256	Phase morphology and crystallinity of poly(vinylidene fluoride)/poly(ethylene oxide) piezoelectric blend membranes. *Materials Today Communications*, **2015**, 4, 214-221	2.5	14
255	Organic–inorganic bonding in chitosan–silica hybrid networks: Physical properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 1391-1400	2.6	18
254	Time evolution of in vivo articular cartilage repair induced by bone marrow stimulation and scaffold implantation in rabbits. *International Journal of Artificial Organs*, **2015**, 38, 210-23	1.9	20

253	Implantation of a polycaprolactone scaffold with subchondral bone anchoring ameliorates nodules formation and other tissue alterations. *International Journal of Artificial Organs*, **2015**, 38, 659-66	1.9	15
252	Porous polylactic acid-silica hybrids: preparation, characterization, and study of mesenchymal stem cell osteogenic differentiation. *Macromolecular Bioscience*, **2015**, 15, 262-74	5.5	5
251	Dielectric relaxation dynamics of high-temperature piezoelectric polyimide copolymers. *Applied Physics A: Materials Science and Processing*, **2015**, 120, 731-743	2.6	12
250	An experimental fatigue study of a porous scaffold for the regeneration of articular cartilage. *Journal of Biomechanics*, **2015**, 48, 1310-7	2.9	24
249	Processing and characterization of elastin electrospun membranes. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 1291-1298	2.6	11
248	New porous polycaprolactone-silica composites for bone regeneration. *Materials Science and Engineering C*, **2014**, 40, 418-26	8.3	26
247	Poly(e-caprolactone) Electrospun Scaffolds Filled with Nanoparticles. Production and Optimization According to Taguchi's Methodology. *Journal of Macromolecular Science - Physics*, **2014**, 53, 781-799	1.4	16
246	Cell-free cartilage engineering approach using hyaluronic acid-polycaprolactone scaffolds: a study in vivo. *Journal of Biomaterials Applications*, **2014**, 28, 1304-15	2.9	26
245	Electrosprayed poly(vinylidene fluoride) microparticles for tissue engineering applications. *RSC Advances*, **2014**, 4, 33013-33021	3.7	61
244	Hybrid Polycaprolactone/Silica Porous Membranes Produced by Sol-Gel. *Macromolecular Symposia*, **2014**, 341, 34-44	0.8	7
243	Molecular dynamics in polymer networks containing caprolactone and ethylene glycol moieties studied by dielectric relaxation spectroscopy. *Journal of Non-Crystalline Solids*, **2014**, 404, 109-115	3.9	4
242	Polycaprolactone membranes reinforced by toughened sol-gel produced silica networks. *Journal of Sol-Gel Science and Technology*, **2014**, 71, 136-146	2.3	1
241	Effect of neutralization and cross-linking on the thermal degradation of chitosan electrospun membranes. *Journal of Thermal Analysis and Calorimetry*, **2014**, 117, 123-130	4.1	10
240	An "in vitro" experimental model to predict the mechanical behavior of macroporous scaffolds implanted in articular cartilage. *Journal of the Mechanical Behavior of Biomedical Materials*, **2014**, 32, 125-131	4.1	17
239	Evolution of the properties of a poly(l-lactic acid) scaffold with double porosity during in vitro degradation in a phosphate-buffered saline solution. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	15
238	Chitosan-silica hybrid porous membranes. *Materials Science and Engineering C*, **2014**, 42, 553-61	8.3	49
237	Conformation and dynamics of a diluted chain in the presence of an adsorbing wall: A simulation with the bond fluctuation model. *Journal of Non-Crystalline Solids*, **2014**, 402, 7-15	3.9	4
236	Silica coating of the pore walls of a microporous polycaprolactone membrane to be used in bone tissue engineering. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 3229-36	5.4	12

235	Physicochemical properties of poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blend membranes for lithium ion battery applications: Influence of poly(ethylene oxide) molecular weight. *Solid State Ionics*, **2014**, 268, 54-67	3.3	26
234	Influence of electrospinning parameters on poly(hydroxybutyrate) electrospun membranes fiber size and distribution. *Polymer Engineering and Science*, **2014**, 54, 1608-1617	2.3	30
233	Poly(vinylidene fluoride)-based, co-polymer separator electrolyte membranes for lithium-ion battery systems. *Journal of Power Sources*, **2014**, 245, 779-786	8.9	123
232	Fibrin-chitosan composite substrate for in vitro culture of chondrocytes. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 404-12	5.4	3
231	Culture of human bone marrow-derived mesenchymal stem cells on of poly(L-lactic acid) scaffolds: potential application for the tissue engineering of cartilage. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2013**, 21, 1737-50	5.5	36
230	Chitosan microparticles for in vitro 3D culture of human chondrocytes. *RSC Advances*, **2013**, 3, 6362	3.7	5
229	Composition-dependent physical properties of poly[(vinylidene fluoride)-co-trifluoroethylene]/poly(ethylene oxide) blends. *Journal of Materials Science*, **2013**, 48, 3494-3504	4.3	32
228	Comparative study of PCL-HAp and PCL-bioglass composite scaffolds for bone tissue engineering. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 1293-308	4.5	55
227	Gelatin microparticles aggregates as three-dimensional scaffolding system in cartilage engineering. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 503-13	4.5	29
226	Silica phase formed by sol–gel reaction in the nano- and micro-pores of a polymer hydrogel. *Journal of Non-Crystalline Solids*, **2013**, 379, 12-20	3.9	3
225	Fatigue prediction in fibrin poly-ε-caprolactone macroporous scaffolds. *Journal of the Mechanical Behavior of Biomedical Materials*, **2013**, 28, 55-61	4.1	18
224	Biomimetic hydroxyapatite coating on pore walls improves osteointegration of poly(L-lactic acid) scaffolds. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2013**, 101, 173-86	3.5	55
223	Computer simulation of the heterogeneity of segmental dynamics in amorphous polymers. *Journal of Non-Crystalline Solids*, **2013**, 362, 175-179	3.9	5
222	Dielectric relaxation, ac conductivity and electric modulus in poly(vinylidene fluoride)/NaY zeolite composites. *Solid State Ionics*, **2013**, 235, 42-50	3.3	89
221	Novel poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blends for battery separators in lithium-ion applications. *Electrochimica Acta*, **2013**, 88, 473-476	6.7	36
220	Fibronectin fixation on poly(ethyl acrylate)-based copolymers. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2013**, 101, 991-7	3.5	5
219	Different hyaluronic acid morphology modulates primary articular chondrocyte behavior in hyaluronic acid-coated polycaprolactone scaffolds. *Journal of Biomedical Materials Research - Part A* , **2013**, 101, 518-27	5.4	27
218	Chondrocytes Cultured in an Adhesive Macroporous Scaffold Subjected to Stirred Flow Bioreactor Behave Like in Static Culture. *Journal of Biomaterials and Tissue Engineering*, **2013**, 3, 312-319	0.3	7

217	Influence of fiber diameter and crystallinity on the stability of electrospun poly(l-lactic acid) membranes to hydrolytic degradation. *Polymer Testing*, **2012**, 31, 770-776	4.5	21
216	Water and protein dynamics in protein-water mixtures over wide range of composition. *IEEE Transactions on Dielectrics and Electrical Insulation*, **2012**, 19, 1239-1246	2.3	9
215	Influence of the macro and micro-porous structure on the mechanical behavior of poly(l-lactic acid) scaffolds. *Journal of Non-Crystalline Solids*, **2012**, 358, 3141-3149	3.9	45
214	[P1.034] Comparing Performance of Solid Polymer Electrolytes Based on Poly(Vinylidene Fluoride □ Trifluoroethylene) Obtained by Different Processing Techniques. *Procedia Engineering*, **2012**, 44, 751-752		
213	Electrical and thermal behavior of □phase poly(vinylidene fluoride)/NaY zeolite composites. *Microporous and Mesoporous Materials*, **2012**, 161, 98-105	5.3	37
212	Conformation and segmental mobility of a diluted single polymer chain simulated with bond fluctuation model. *Journal of Non-Crystalline Solids*, **2012**, 358, 1452-1458	3.9	2
211	Thermal Properties of Electrospun Poly(Lactic Acid) Membranes. *Journal of Macromolecular Science - Physics*, **2012**, 51, 411-424	1.4	20
210	Bio-Inspired 3D Environments for Cartilage Engineering **2012**, 515-536		
209	Relaxation dynamics of poly(vinylidene fluoride) studied by dynamical mechanical measurements and dielectric spectroscopy. *European Physical Journal E*, **2012**, 35, 41	1.5	61
208	Fibronectin adsorption and cell response on electroactive poly(vinylidene fluoride) films. *Biomedical Materials (Bristol)*, **2012**, 7, 035004	3.5	69
207	Hydrolytic degradation of PLLA/PCL microporous membranes prepared by freeze extraction. *Polymer Degradation and Stability*, **2012**, 97, 1621-1632	4.7	63
206	Physical-chemical properties of cross-linked chitosan electrospun fiber mats. *Polymer Testing*, **2012**, 31, 1062-1069	4.5	40
205	Influence of crystallinity and fiber orientation on hydrophobicity and biological response of poly(L-lactide) electrospun mats. *Soft Matter*, **2012**, 8, 5818	3.6	54
204	In vitro 3D culture of human chondrocytes using modified □caprolactone scaffolds with varying hydrophilicity and porosity. *Journal of Biomaterials Applications*, **2012**, 27, 299-309	2.9	14
203	Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. *RSC Advances* , **2012**, 2, 11504	3.7	82
202	Influence of filler size and concentration on the low and high temperature dielectric response of poly(vinylidene fluoride) /Pb(Zr0.53Ti0.47)O3 composites. *Journal of Polymer Research*, **2012**, 19, 1	2.7	17
201	Assessment of parameters influencing fiber characteristics of chitosan nanofiber membrane to optimize fiber mat production. *Polymer Engineering and Science*, **2012**, 52, 1293-1300	2.3	12
200	Stirred flow bioreactor modulates chondrocyte growth and extracellular matrix biosynthesis in chitosan scaffolds. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 2330-41	5.4	6

199	Channeled scaffolds implanted in adult rat brain. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 3276-86	5.4	34
198	Thermal transitions and dynamics in nanocomposite hydrogels. *Journal of Thermal Analysis and Calorimetry*, **2012**, 108, 1067-1078	4.1	2
197	Determination of the parameters affecting electrospun chitosan fiber size distribution and morphology. *Carbohydrate Polymers*, **2012**, 87, 1295-1301	10.3	80
196	Fabrication of poly(lactic acid)-poly(ethylene oxide) electrospun membranes with controlled micro to nanofiber sizes. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 6746-53	1.3	7
195	Influence of ferrite nanoparticle type and content on the crystallization kinetics and electroactive phase nucleation of poly(vinylidene fluoride). *Langmuir*, **2011**, 27, 7241-9	4	109
194	Cooperative Segmental Motions in Ethyl Acrylate/Triethylene Glycol Dimethacrylate Copolymer Networks Studied by Dielectric Techniques. *Macromolecules*, **2011**, 44, 8233-8244	5.5	4
193	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. *Science and Technology of Advanced Materials*, **2011**, 12, 015001	7.1	93
192	A simple model for cooperative and non-exponential processes in non-crystalline polymers. *Journal of Non-Crystalline Solids*, **2011**, 357, 367-370	3.9	3
191	Biodegradable poly(L-lactide) and polycaprolactone block copolymer networks. *Polymer International*, **2011**, 60, 264-270	3.3	4
190	Glass transition and polymer dynamics in silver/poly(methyl methacrylate) nanocomposites. *European Polymer Journal*, **2011**, 47, 1514-1525	5.2	34
189	Water and polymer dynamics in poly(hydroxyl ethyl acrylate-co-ethyl acrylate) copolymer hydrogels. *European Polymer Journal*, **2011**, 47, 2391-2402	5.2	11
188	Tailoring porous structure of ferroelectric poly(vinylidene fluoride-trifluoroethylene) by controlling solvent/polymer ratio and solvent evaporation rate. *European Polymer Journal*, **2011**, 47, 2442-2450	5.2	62
187	Glass transition and dynamics in BSA-water mixtures over wide ranges of composition studied by thermal and dielectric techniques. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2011**, 1814, 1984-96	4	41
186	Molecular mobility in biodegradable poly(ε-caprolactone)/poly(hydroxyethyl acrylate) networks. *European Physical Journal E*, **2011**, 34, 37	1.5	7
185	Glass Transition and Dynamics in Lysozyme–Water Mixtures Over Wide Ranges of Composition. *Food Biophysics*, **2011**, 6, 199-209	3.2	32
184	Polymer segmental dynamics and solvent thermal transitions in poly(ethyl acrylate)/p-xylene mixtures. *Journal of Polymer Science, Part B: Polymer Physics*, **2011**, 49, 455-466	2.6	4
183	Water sorption characteristics of poly(2-hydroxyethyl acrylate)/silica nanocomposite hydrogels. *Journal of Polymer Science, Part B: Polymer Physics*, **2011**, 49, 657-668	2.6	36
182	Segmented poly(urethane-urea) elastomers based on polycaprolactone: Structure and properties. *Journal of Applied Polymer Science*, **2011**, 119, 2093-2104	2.9	34

181	Assessment of the parameters influencing the fiber characteristics of electrospun poly(ethyl methacrylate) membranes. *European Polymer Journal*, **2011**, 47, 119-129	5.2	19
180	Semicrystalline ordering in polymeric systems simulated by Bond Fluctuation Model. *Polymer*, **2011**, 52, 571-576	3.9	
179	Kinetics of free radical polymerization probed by dielectric relaxation spectroscopy under high conductivity conditions. *Polymer*, **2011**, 52, 1944-1953	3.9	11
178	**2011**,		1
177	Poly(vinylidene fluoride-trifluoroethylene) (72/28) interconnected porous membranes obtained by crystallization from solution. *Materials Research Society Symposia Proceedings*, **2011**, 1312, 1		11
176	Three-dimensional scaffolds as a model system for neural and endothelial 'in vitro' culture. *Journal of Biomaterials Applications*, **2011**, 26, 293-310	2.9	4
175	Influence of Processing Conditions on Polymorphism and Nanofiber Morphology of Electroactive Poly(vinylidene fluoride) Electrospun Membranes. *Soft Materials*, **2010**, 8, 274-287	1.7	201
174	Influence of solvent on the network structure formed by free radical polymerization of tri-ethylene glycol dimethacrylate: A dielectric study. *Journal of Non-Crystalline Solids*, **2010**, 356, 616-620	3.9	2
173	Influence of processing parameters on the polymer phase, microstructure and macroscopic properties of poly(vinilidene fluoride)/Pb(Zr0.53Ti0.47)O3 composites. *Journal of Non-Crystalline Solids*, **2010**, 356, 2127-2133	3.9	27
172	In vivo evaluation of 3-dimensional polycaprolactone scaffolds for cartilage repair in rabbits. *American Journal of Sports Medicine*, **2010**, 38, 509-19	6.8	77
171	The Role of Solvent Evaporation in the Microstructure of Electroactive β-Poly(Vinylidene Fluoride) Membranes Obtained by Isothermal Crystallization. *Soft Materials*, **2010**, 9, 1-14	1.7	35
170	Structure and dynamics in poly(L-lactide) copolymer networks. *Colloid and Polymer Science*, **2010**, 288, 555-565	2.4	7
169	Hybrid structure in PCL-HAp scaffold resulting from biomimetic apatite growth. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 33-44	4.5	54
168	Isothermal crystallization kinetics of poly(vinylidene fluoride) in the β-phase in the scope of the Avrami equation. *Journal of Materials Science*, **2010**, 45, 1328-1335	4.3	37
167	Novel poly(L-lactic acid)/hyaluronic acid macroporous hybrid scaffolds: characterization and assessment of cytotoxicity. *Journal of Biomedical Materials Research - Part A*, **2010**, 94, 856-69	5.4	26
166	Differentiation of mesenchymal stem cells in chitosan scaffolds with double micro and macroporosity. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 1182-93	5.4	37
165	Poly[(vinylidene fluoride)-co-trifluoroethylene] Membranes Obtained by Isothermal Crystallization from Solution. *Macromolecular Materials and Engineering*, **2010**, 295, 523-528	3.9	35
164	Water sorption and polymer dynamics in hybrid poly(2-hydroxyethyl-co-ethyl acrylate)/silica hydrogels. *European Polymer Journal*, **2010**, 46, 101-111	5.2	25

163	Effect of the content of hydroxyapatite nanoparticles on the properties and bioactivity of poly(l-lactide) Hybrid membranes. *Composites Science and Technology*, **2010**, 70, 1805-1812	8.6	45
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