JosÃ© L GÃ³mez-Ribelles

List of Publications by Year
in descending order

329 papers	9,412 citations	38742 50 h-index	85541 71 g-index
334 all docs	334 docs citations	334 times ranked	9625 citing authors

#	Article	IF	Citations
1	Influence of Processing Conditions on Polymorphism and Nanofiber Morphology of Electroactive Poly(vinylidene fluoride) Electrospun Membranes. Soft Materials, 2010, 8, 274-287.	1.7	241
2	Glass transition and structural relaxation in semi-crystalline poly(ethylene terephthalate): a DSC study. Polymer, 2002, 43, 4111-4122.	3.8	146
3	Effect of the Cooling Rate on the Nucleation Kinetics of Poly(<scp>l</scp>-Lactic Acid) and Its Influence on Morphology. Macromolecules, 2007, 40, 7989-7997.	4.8	141
4	Glass transition dynamics and structural relaxation of PLLA studied by DSC: Influence of crystallinity. Polymer, 2005, 46, 8258-8265.	3.8	139
5	Poly(vinylidene fluoride)-based, co-polymer separator electrolyte membranes for lithium-ion battery systems. Journal of Power Sources, 2014, 245, 779-786.	7.8	139
6	Morphological Contributions to Glass Transition in Poly(l-lactic acid). Macromolecules, 2005, 38, 4712-4718.	4.8	137
7	Influence of Ferrite Nanoparticle Type and Content on the Crystallization Kinetics and Electroactive Phase Nucleation of Poly(vinylidene fluoride). Langmuir, 2011, 27, 7241-7249.	3.5	121
8	Dielectric relaxation spectroscopy of polyethylene terephthalate (PET) films. Journal Physics D: Applied Physics, 1997, 30, 1551-1560.	2.8	117
9	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. Science and Technology of Advanced Materials, 2011, 12, 015001.	6.1	115
10	Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. RSC Advances, 2012, 2, 11504.	3.6	106
11	Dielectric relaxation, ac conductivity and electric modulus in poly(vinylidene fluoride)/NaY zeolite composites. Solid State Ionics, 2013, 235, 42-50.	2.7	104
12	Viscoelastic Behavior of Poly(methyl methacrylate) Networks with Different Cross-Linking Degrees. Macromolecules, 2004, 37, 3735-3744.	4.8	103
13	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.	8.3	92
14	In Vivo Evaluation of 3-Dimensional Polycaprolactone Scaffolds for Cartilage Repair in Rabbits. American Journal of Sports Medicine, 2010, 38, 509-519.	4.2	91
15	Determination of the parameters affecting electrospun chitosan fiber size distribution and morphology. Carbohydrate Polymers, 2012, 87, 1295-1301.	10.2	90
16	Biodegradable PCL scaffolds with an interconnected spherical pore network for tissue engineering. Journal of Biomedical Materials Research - Part A, 2008, 85A, 25-35.	4.0	85
17	Structural Relaxation of Glass-Forming Polymers Based on an Equation for Configurational Entropy. 1. DSC Experiments on Polycarbonate. Macromolecules, 1995, 28, 5867-5877.	4.8	83
18	Influence of Low-Temperature Nucleation on the Crystallization Process of Poly(l-lactide). Biomacromolecules, 2005, 6, 3283-3290.	5.4	83

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19	Fibronectin adsorption and cell response on electroactive poly(vinylidene fluoride) films. Biomedical Materials (Bristol), 2012, 7, 035004.	3.3	83
20	Influence of oxygen plasma treatment parameters on poly(vinylidene fluoride) electrospun fiber mats wettability. Progress in Organic Coatings, 2015, 85, 151-158.	3.9	79
21	Porous membranes of PLLAâ€"PCL blend for tissue engineering applications. European Polymer Journal, 2008, 44, 2207-2218.	5.4	77
22	Electrosprayed poly(vinylidene fluoride) microparticles for tissue engineering applications. RSC Advances, 2014, 4, 33013-33021.	3.6	77
23	Porous poly(2-hydroxyethyl acrylate) hydrogels. Polymer, 2001, 42, 4667-4674.	3.8	74
24	A phenomenological study of the structural relaxation of poly(methyl methacrylate). Polymer, 1990, 31, 223-230.	3.8	72
25	Biodegradable polycaprolactone scaffold with controlled porosity obtained by modified particle-leaching technique. Journal of Materials Science: Materials in Medicine, 2008, 19, 2047-2053.	3.6	69
26	Title is missing!. Die Makromolekulare Chemie, 1991, 192, 2141-2161.	1.1	68
27	Relaxation dynamics of poly(vinylidene fluoride) studied by dynamical mechanical measurements and dielectric spectroscopy. European Physical Journal E, 2012, 35, 41.	1.6	68
28	Hydrolytic degradation of PLLA/PCL microporous membranes prepared by freeze extraction. Polymer Degradation and Stability, 2012, 97, 1621-1632.	5.8	68
29	Hybrid structure in PCL-HAp scaffold resulting from biomimetic apatite growth. Journal of Materials Science: Materials in Medicine, 2010, 21, 33-44.	3.6	66
30	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.	5.4	66
31	Influence of crystallinity and fiber orientation on hydrophobicity and biological response of poly(l-lactide) electrospun mats. Soft Matter, 2012, 8, 5818.	2.7	66
32	Enthalpy relaxation studies in polymethyl methacrylate networks with different crosslinking degrees. Polymer, 2005, 46, 491-504.	3.8	65
33	Chitosan microparticles as injectable scaffolds for tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2008, 2, 378-380.	2.7	65
34	Comparative study of PCL-HAp and PCL-bioglass composite scaffolds for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2013, 24, 1293-1308.	3.6	65
35	Interaction between water and polymer chains in poly(hydroxyethyl acrylate) hydrogels. Colloid and Polymer Science, 2001, 279, 323-330.	2.1	62
36	Substrate Chemistry-Dependent Conformations of Single Laminin Molecules on Polymer Surfaces are Revealed by the Phase Signal of Atomic Force Microscopy. Biophysical Journal, 2007, 93, 202-207.	0.5	62

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37	Biomimetic hydroxyapatite coating on pore walls improves osteointegration of poly(<scp>L</scp>â€lactic acid) scaffolds. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 173-186.	3.4	61
38	Analysis of the Biological Response of Endothelial and Fibroblast Cells Cultured on Synthetic Scaffolds with Various Hydrophilic/Hydrophobic Ratios: Influence of Fibronectin Adsorption and Conformation. Tissue Engineering - Part A, 2009, 15, 1331-1341.	3.1	60
39	Response of human chondrocytes to a non-uniform distribution of hydrophilic domains on poly (ethyl acrylate-co-hydroxyethyl methacrylate) copolymers. Biomaterials, 2006, 27, 1003-1012.	11.4	59
40	Chitosanâ€"silica hybrid porous membranes. Materials Science and Engineering C, 2014, 42, 553-561.	7.3	59
41	Molecular mobility and hydration properties of segmented polyurethanes with varying structure of soft- and hard-chain segments. Journal of Applied Polymer Science, 1999, 71, 1209-1221.	2.6	58
42	Kinetic study of thermal degradation of chitosan as a function of deacetylation degree. Carbohydrate Polymers, 2017, 167, 52-58.	10.2	58
43	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.	10.2	58
44	The Î² dielectric relaxation in some methacrylate polymers. Journal of Polymer Science, Polymer Physics Edition, 1985, 23, 1297-1307.	1.0	57
45	Glass transition and physical ageing in plasticized poly(vinyl chloride). Polymer, 1987, 28, 2262-2266.	3.8	56
46	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.	3.1	56
47	Polymer-water interactions in poly(hydroxyethyl acrylate) hydrogels studied by dielectric, calorimetric and sorption isotherm measurements. Polymer Gels and Networks, 1995, 3, 445-469.	0.6	54
48	Proliferation and differentiation of goat bone marrow stromal cells in 3D scaffolds with tunable hydrophilicity. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 277-286.	3.4	53
49	Physical-chemical properties of cross-linked chitosan electrospun fiber mats. Polymer Testing, 2012, 31, 1062-1069.	4.8	52
50	Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	7.0	52
51	Departure from the Vogel behaviour in the glass transitionâ€"thermally stimulated recovery, creep and dynamic mechanical analysis studies. Polymer, 2004, 45, 1007-1017.	3.8	51
52	Study of structural relaxation by dynamic-mechanical methods in poly(methyl methacrylate). Polymer, 1989, 30, 1433-1438.	3.8	50
53	Structural Relaxation in Polystyrene and Some Polystyrene Derivatives. Macromolecules, 1996, 29, 7976-7988.	4.8	50
54	Glass transition and dynamics in BSAâ€"water mixtures over wide ranges of composition studied by thermal and dielectric techniques. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1984-1996.	2.3	50

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55	Influence of Cation and Anion Type on the Formation of the Electroactive Î²-Phase and Thermal and Dynamic Mechanical Properties of Poly(vinylidene fluoride)/Ionic Liquids Blends. Journal of Physical Chemistry C, 2019, 123, 27917-27926.	3.1	50
56	Blending polysaccharides with biodegradable polymers. I. Properties of chitosan/polycaprolactone blends. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 85B, 303-313.	3.4	49
57	Thermalâ€"mechanical behaviour of chitosanâ€"cellulose derivative thermoreversible hydrogel films. Cellulose, 2015, 22, 1911-1929.	4.9	49
58	Depolarization thermocurrent studies in poly(hydroxyethyl acrylate)/water hydrogels. Journal of Polymer Science, Part B: Polymer Physics, 1994, 32, 1001-1008.	2.1	48
59	Differentiation of Postnatal Neural Stem Cells into Glia and Functional Neurons on Laminin-Coated Polymeric Substrates. Tissue Engineering - Part A, 2008, 14, 1365-1375.	3.1	48
60	Effect of the content of hydroxyapatite nanoparticles on the properties and bioactivity of poly(l-lactide) â€" Hybrid membranes. Composites Science and Technology, 2010, 70, 1805-1812.	7.8	48
61	Porous poly(2-hydroxyethyl acrylate) hydrogels prepared by radical polymerisation with methanol as diluent. Polymer, 2004, 45, 8949-8955.	3.8	47
62	Structural relaxation of glass-forming polymers based on an equation for configurational entropy, 4. Structural relaxation in styrene-acrylonitrile copolymer. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 2201-2217.	2.1	46
63	The length of cooperativity at the glass transition in poly(vinyl acetate) from the modeling of the structural relaxation process. Polymer, 1999, 40, 183-192.	3.8	46
64	Forced compatibility in poly(methyl acrylate)/poly(methyl methacrylate) sequential interpenetrating polymer networks. Polymer, 2001, 42, 10071-10075.	3.8	46
65	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.	3.1	46
66	Structural Relaxation of Glass-Forming Polymers Based on an Equation for Configurational Entropy. 2. Structural Relaxation in Polymethacrylates. Macromolecules, 1995, 28, 5878-5885.	4.8	45
67	Acrylic scaffolds with interconnected spherical pores and controlled hydrophilicity for tissue engineering. Journal of Materials Science: Materials in Medicine, 2005, 16, 693-698.	3.6	44
68	Polymerâ€"silica nanocomposites prepared by solâ€"gel technique: Nanoindentation and tapping mode AFM studies. European Polymer Journal, 2007, 43, 2775-2783.	5.4	44
69	On the kinetics of melting and crystallization of poly(l-lactic acid) by TMDSC. Thermochimica Acta, 2005, 430, 201-210.	2.7	43
70	Influence of Silver Nanoparticles Concentration on the <i>Î±</i>- to <i>Î²</i>-Phase Transformation and the Physical Properties of Silver Nanoparticles Doped Poly(vinylidene fluoride) Nanocomposites. Journal of Nanoscience and Nanotechnology, 2009, 9, 2910-2916.	0.9	42
71	Characterization of calcium phosphate layers grown on polycaprolactone for tissue engineering purposes. Composites Science and Technology, 2010, 70, 1796-1804.	7.8	42
72	Glass Transition and Structural Relaxation in Polystyrene/Poly(2,6-dimethyl-1,4-phenylene oxide) Miscible Blends. Macromolecules, 1999, 32, 4430-4438.	4.8	41

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73	Human Chondrocyte Morphology, Its Dedifferentiation, and Fibronectin Conformation on Different PLLA Microtopographies. Tissue Engineering - Part A, 2008, 14, 1751-1762.	3.1	41
74	Isothermal crystallization kinetics of poly(vinylidene fluoride) in the Î±-phase in the scope of the Avrami equation. Journal of Materials Science, 2010, 45, 1328-1335.	3.7	41
75	Differentiation of mesenchymal stem cells in chitosan scaffolds with double micro and macroporosity. Journal of Biomedical Materials Research - Part A, 2010, 95A, 1182-1193.	4.0	41
76	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, 1737-1750.	4.2	41
77	Poly(methyl acrylate)/poly(hydroxyethyl acrylate) sequential interpenetrating polymer networks. Miscibility and water sorption behavior. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 1587-1599.	2.1	40
78	The Role of Solvent Evaporation in the Microstructure of Electroactive Î²-Poly(Vinylidene Fluoride) Membranes Obtained by Isothermal Crystallization. Soft Materials, 2010, 9, 1-14.	1.7	40
79	Water sorption characteristics of poly(2â€hydroxyethyl acrylate)/silica nanocomposite hydrogels. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 657-668.	2.1	40
80	Channeled scaffolds implanted in adult rat brain. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3276-3286.	4.0	40
81	Molecular mobility in polymers studied with thermally stimulated recovery. II. Study of the glass transition of a semicrystalline PET and comparison with DSC and DMA results. Polymer, 2002, 43, 3627-3633.	3.8	39
82	Influence of the substrate's hydrophilicity on thein vitro Schwann cells viability. Journal of Biomedical Materials Research - Part A, 2007, 83A, 463-470.	4.0	39
83	Bioactive poly(L-lactic acid)-chitosan hybrid scaffolds. Materials Science and Engineering C, 2008, 28, 1356-1365.	7.3	39
84	Properties of poly(2-hydroxyethyl acrylate)-silica nanocomposites obtained by the solâ€“gel process. Journal of Non-Crystalline Solids, 2008, 354, 1900-1908.	3.1	39
85	Glass transition and polymer dynamics in silver/poly(methyl methacrylate) nanocomposites. European Polymer Journal, 2011, 47, 1514-1525.	5.4	39
86	Electrical and thermal behavior of Î³-phase poly(vinylidene fluoride)/NaY zeolite composites. Microporous and Mesoporous Materials, 2012, 161, 98-105.	4.4	39
87	Novel poly(vinylidene fluoride-trifluoroethylene)/poly(ethylene oxide) blends for battery separators in lithium-ion applications. Electrochimica Acta, 2013, 88, 473-476.	5.2	39
88	Survival and differentiation of embryonic neural explants on different biomaterials. Journal of Biomedical Materials Research - Part A, 2006, 79A, 495-502.	4.0	38
89	A porous PCL scaffold promotes the human chondrocytes redifferentiation and hyalineâ€specific extracellular matrix protein synthesis. Journal of Biomedical Materials Research - Part A, 2008, 85A, 1082-1089.	4.0	38
90	Physical interactions in macroporous scaffolds based on poly(É›-caprolactone)/chitosan semi-interpenetrating polymer networks. Polymer, 2009, 50, 2058-2064.	3.8	38

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91	Poly[(vinylidene fluoride)â€‹<i>co</i>â€‹trifluoroethylene] Membranes Obtained by Isothermal Crystallization from Solution. Macromolecular Materials and Engineering, 2010, 295, 523-528.	3.6	38
92	Structural relaxation of glass-forming polymers based on an equation for configurational entropy: 3. On the states attained at infinite time in the structural relaxation process. Results on poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	3.8	37
93	Thermodynamics and statistical mechanics of multilayer adsorption. Journal of Chemical Physics, 2004, 121, 8524.	3.0	37
94	Glass Transition and Dynamics in Lysozymeâ€"Water Mixtures Over Wide Ranges of Composition. Food Biophysics, 2011, 6, 199-209.	3.0	37
95	Segmented poly(urethaneâ€urea) elastomers based on polycaprolactone: Structure and properties. Journal of Applied Polymer Science, 2011, 119, 2093-2104.	2.6	36
96	Composition-dependent physical properties of poly[(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (fluoride)-co-trifluoroethyl 3494-3504.	3.7	36
97	Crosslinked fibrin gels for tissue engineering: Two approaches to improve their properties. Journal of Biomedical Materials Research - Part A, 2015, 103, 614-621.	4.0	36
98	Characterisation of macroporous poly(methyl methacrylate) coated with plasma-polymerised poly(2-hydroxyethyl acrylate). European Polymer Journal, 2007, 43, 4552-4564.	5.4	35
99	Novel poly(<scp>L</scp>â€lactic acid)/hyaluronic acid macroporous hybrid scaffolds: Characterization and assessment of cytotoxicity. Journal of Biomedical Materials Research - Part A, 2010, 94A, 856-869.	4.0	35
100	Gelatin microparticles aggregates as three-dimensional scaffolding system in cartilage engineering. Journal of Materials Science: Materials in Medicine, 2013, 24, 503-513.	3.6	35
101	Influence of electrospinning parameters on poly(hydroxybutyrate) electrospun membranes fiber size and distribution. Polymer Engineering and Science, 2014, 54, 1608-1617.	3.1	35
102	Solid polymer electrolytes based on lithium bis(trifluoromethanesulfonyl)imide/poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 and Technologies, 2019, 21, e00104.	3.3	35
103	Threeâ€dimensional nanocomposite scaffolds with ordered cylindrical orthogonal pores. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 84B, 541-549.	3.4	34
104	New porous polycaprolactoneâ€"silica composites for bone regeneration. Materials Science and Engineering C, 2014, 40, 418-426.	7.3	34
105	Human Mesenchymal Stem Cells Growth and Osteogenic Differentiation on Piezoelectric Poly(vinylidene fluoride) Microsphere Substrates. International Journal of Molecular Sciences, 2017, 18, 2391.	4.1	34
106	Miscibility of Poly(butyl acrylate)â^'Poly(butyl methacrylate) Sequential Interpenetrating Polymer Networks. Macromolecules, 2001, 34, 5525-5534.	4.8	33
107	Plasma-induced polymerisation of hydrophilic coatings onto macroporous hydrophobic scaffolds. Polymer, 2007, 48, 2071-2078.	3.8	33
108	Microcomputed tomography and microfinite element modeling for evaluating polymer scaffolds architecture and their mechanical properties. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 191-202.	3.4	33

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109	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.	3.1	33
110	Effect of the degree of porosity on the performance of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (fluoride-trifluoroet Solid State Ionics, 2015, 280, 1-9.	2.7	33
111	Side-chain liquid crystalline poly(N-maleimides). 5. Dielectric relaxation behavior of liquid crystalline side-chain and amorphous poly(N-maleimides). A comparative structural study. Macromolecules, 1993, 26, 155-166.	4.8	32
112	Dielectric relaxation spectroscopy in PHEA hydrogels. Journal of Non-Crystalline Solids, 1994, 172-174, 1041-1046.	3.1	32
113	Transition from miscibility to immiscibility in blends of poly(methyl methacrylate) and styreneâ€“acrylonitrile copolymers with varying copolymer composition: a DSC study. European Polymer Journal, 2002, 38, 597-605.	5.4	32
114	Water sorption and polymer dynamics in hybrid poly(2-hydroxyethyl-co-ethyl acrylate)/silica hydrogels. European Polymer Journal, 2010, 46, 101-111.	5.4	32
115	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.	2.7	32
116	Ionic and conformational mobility in poly(vinylidene fluoride)/ionic liquid blends: Dielectric and electrical conductivity behavior. Polymer, 2018, 143, 164-172.	3.8	32
117	The application of a new configurational entropy model to the structural relaxation in an epoxy resin. Polymer, 1998, 39, 3801-3807.	3.8	31
118	Acrylic scaffolds with interconnected spherical pores and controlled hydrophilicity for tissue engineering. Journal of Materials Science, 2005, 40, 4881-4887.	3.7	31
119	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, 1106-1118.	4.0	31
120	Dielectric relaxations in poly(methyl acrylate), poly(ethyl acrylate), and poly(butyl acrylate). Journal of Applied Polymer Science, 1989, 38, 1145-1157.	2.6	30
121	Different hyaluronic acid morphology modulates primary articular chondrocyte behavior in hyaluronic acidâ€coated polycaprolactone scaffolds. Journal of Biomedical Materials Research - Part A, 2013, 101A, 518-527.	4.0	30
122	Cell-free cartilage engineering approach using hyaluronic acidâ€“polycaprolactone scaffolds: A study <i>inÂvivo</i>. Journal of Biomaterials Applications, 2014, 28, 1304-1315.	2.4	29
123	Dielectric and mechanical-dynamical studies on poly(cyclohexyl methacrylate). Polymer, 1985, 26, 1849-1854.	3.8	28
124	Influence of the Hydrophobic Phase on the Thermal Transitions of Water Sorbed in a Polymer Hydrogel Based on Interpenetration of a Hydrophilic and a Hydrophobic Network. Macromolecules, 2003, 36, 860-866.	4.8	28
125	Structure and Properties of Poly(É›-caprolactone) Networks with Modulated Water Uptake. Macromolecular Chemistry and Physics, 2006, 207, 2195-2205.	2.2	27
126	Future Design of a New Keratoprosthesis. Physical and Biological Analysis of Polymeric Substrates for Epithelial Cell Growth. Biomacromolecules, 2007, 8, 2429-2436.	5.4	27

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127	Effect of crosslinking on porous poly(methyl methacrylate) produced by phase separation. Colloid and Polymer Science, 2008, 286, 209-216.	2.1	27
128	Blending polysaccharides with biodegradable polymers. II. Structure and biological response of chitosan/polycaprolactone blends. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 87B, 544-554.	3.4	27
129	An experimental fatigue study of a porous scaffold for the regeneration of articular cartilage. Journal of Biomechanics, 2015, 48, 1310-1317.	2.1	27
130	Determining the influence of N-acetylation on water sorption in chitosan films. Carbohydrate Polymers, 2015, 133, 110-116.	10.2	27
131	Relaxation Spectrum of Polymer Networks Formed from Butyl Acrylate and Methyl Methacrylate Monomeric Units. Macromolecules, 2004, 37, 6472-6479.	4.8	26
132	Effect of poly(L-lactide) surface topography on the morphology of in vitro cultured human articular chondrocytes. Journal of Materials Science: Materials in Medicine, 2007, 18, 1627-1632.	3.6	26
133	Swelling and thermally stimulated depolarization currents in hydrogels formed by interpenetrating polymer networks. Journal of Non-Crystalline Solids, 1998, 235-237, 692-696.	3.1	25
134	Influence of the chemical structure on the kinetics of the structural relaxation process of acrylate and methacrylate polymer networks. Colloid and Polymer Science, 2005, 283, 711-720.	2.1	25
135	Nanodomains in a hydrophilicâ€"hydrophobic IPN based on poly(2-hydroxyethyl acrylate) and poly(ethyl) Tj ETQq1 1 0.784314 rgBT /Ov	5.4	25
136	Dielectric relaxation spectrum of poly (Îµ-caprolactone) networks hydrophilized by copolymerization with 2-hydroxyethyl acrylate. European Physical Journal E, 2007, 22, 293-302.	1.6	25
137	Macroporous poly(methyl methacrylate) produced by phase separation during polymerisation in solution. Colloid and Polymer Science, 2007, 285, 753-760.	2.1	25
138	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.	4.8	25
139	Electrospun PVA/Bentonite Nanocomposites Mats for Drug Delivery. Materials, 2017, 10, 1448.	2.9	25
140	Dielectric relaxations in poly(hydroxyethyl acrylate): influence of the absorbed water. Polymer, 1988, 29, 1124-1127.	3.8	24
141	Blends of styrene-butadiene-styrene triblock copolymer and isotactic polypropylene: morphology and thermomechanical properties. Polymer International, 2000, 49, 853-859.	3.1	24
142	Segmental dynamics in poly(Îµâ€caprolactone)/poly(<scp>L</scp>â€lactide) copolymer networks. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 183-193.	2.1	24
143	Assessment of the parameters influencing the fiber characteristics of electrospun poly(ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	5.4	24
144	Thermal transitions of benzene in a poly(ethyl acrylate) network. Journal of Non-Crystalline Solids, 2002, 307-310, 750-757.	3.1	23

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145	Water-induced (nano) organization in poly(ethyl acrylate-co-hydroxyethyl acrylate) networks. European Polymer Journal, 2008, 44, 1996-2004.	5.4	23
146	Organic-inorganic bonding in chitosan-silica hybrid networks: Physical properties. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1391-1400.	2.1	23
147	Effect of electrical stimulation on chondrogenic differentiation of mesenchymal stem cells cultured in hyaluronic acid â€" Gelatin injectable hydrogels. Bioelectrochemistry, 2020, 134, 107536.	4.6	23
148	Real-Time Monitoring of Molecular Dynamics of Ethylene Glycol Dimethacrylate Glass Former. Journal of Physical Chemistry B, 2009, 113, 14209-14217.	2.6	22
149	Fatigue prediction in fibrin poly-Îµ-caprolactone macroporous scaffolds. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 28, 55-61.	3.1	22
150	An â€œin vitroâ€•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.	3.1	22
151	Time Evolution of <i>in Vivo</i> Articular Cartilage Repair Induced by Bone Marrow Stimulation and Scaffold Implantation in Rabbits. International Journal of Artificial Organs, 2015, 38, 210-223.	1.4	22
152	Reinforcing an Injectable Gelatin Hydrogel with PLLA Microfibers: Two Routes for Short Fiber Production. Macromolecular Materials and Engineering, 2015, 300, 977-988.	3.6	22
153	Thermal analysis of water in reinforced plasma-polymerised poly(2-hydroxyethyl acrylate) hydrogels. European Polymer Journal, 2015, 72, 523-534.	5.4	22
154	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.	7.3	22
155	Glass transition in homogeneous and heterogeneous interpenetrating polymer networks and its relation to concentration fluctuations. Journal of Non-Crystalline Solids, 2002, 307-310, 731-737.	3.1	21
156	Dynamic mechanical properties of polycarbonate and acrylonitrile-butadiene-styrene copolymer blends. Journal of Applied Polymer Science, 2002, 83, 1507-1516.	2.6	21
157	Chitosan patterning on titanium implants. Progress in Organic Coatings, 2017, 111, 23-28.	3.9	21
158	Thermodynamical analysis of the hydrogel state in poly(2-hydroxyethyl acrylate). Polymer, 2004, 45, 6207-6217.	3.8	20
159	Structure and properties of methacrylate-endcapped caprolactone networks with modulated water uptake for biomedical applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 83B, 266-275.	3.4	20
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