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	Novel microgel culture system as semi-solid three-dimensional in vitro model for the study of multiple myeloma proliferation and drug resistance. , 2022, 135, 212749.		7
2	Adipose tissue derived stromal cells in a gelatin-based 3D matrix with exclusive ascorbic acid signalling emerged as a novel neural tissue engineering construct: an innovative prototype for soft tissue. International Journal of Energy Production and Management, 2022, 9, .	3.7	2
3	EDUCATIONAL INCLUSION INTO DIVERSITY, FACING SCHOOL LEAVING: INNOVATIVE METHODOLOGIES TO SUPPORT ETHNIC MINORITY STUDENTS AND STOP HATE SPEECH IN EUROPE. EDULEARN Proceedings, 2022, , .	0.0	0
4	Effective elastin-like recombinamers coating on poly(vinylidene) fluoride membranes for mesenchymal stem cell culture. European Polymer Journal, 2021, 146, 110269.	5.4	3
5	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.	3.0	8
6	Covalent functionalization of decellularized tissues accelerates endothelialization. Bioactive Materials, 2021, 6, 3851-3864.	15.6	10
7	Biomimetic 3D Environment Based on Microgels as a Model for the Generation of Drug Resistance in Multiple Myeloma. Materials, 2021, 14, 7121.	2.9	6
8	A cellâ€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.	3.4	5
9	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
10	Non-Markovian Methods in Glass Transition. Polymers, 2020, 12, 1997.	4.5	1
11	Dielectric relaxation dynamics in poly(vinylidene fluoride)/Pb(Zr0Â·53Ti0.47)O3 composites. Polymer, 2020, 204, 122811.	3.8	7
12	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
13	In Vitro Modeling of Non-Solid Tumors: How Far Can Tissue Engineering Go?. International Journal of Molecular Sciences, 2020, 21, 5747.	4.1	16
14	Design and characterization of microspheres for a 3D mesenchymal stem cell culture. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111322.	5.0	10
15	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.	3.0	12
16	Temperature and pH responsive behavior of antifouling zwitterionic mesoporous silica nanoparticles. Journal of Applied Physics, 2020, 127, .	2.5	5
17	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
18	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.	4.8	14

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19	Freeze-extraction microporous electroactive supports for cell culture. European Polymer Journal, 2019, 119, 531-540.	5.4	4
20	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
21	Biomimetic microspheres for 3D mesenchymal stem cell culture and characterization. Colloids and Surfaces B: Biointerfaces, 2019, 177, 68-76.	5.0	19
22	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.	3.6	9
23	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.	3.8	17
24	Solid polymer electrolytes based on lithium bis(trifluoromethanesulfonyl)imide/poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 and Technologies, 2019, 21, e00104.	3.3	35
25	Antifouling zwitterionic <scp>pSBMA</scp>â€‹<scp>MSN</scp> particles for biomedical applications. Polymers for Advanced Technologies, 2019, 30, 688-697.	3.2	9
26	Ionic and conformational mobility in poly(vinylidene fluoride)/ionic liquid blends: Dielectric and electrical conductivity behavior. Polymer, 2018, 143, 164-172.	3.8	32
27	Crystallization kinetics of poly(ethylene oxide) confined in semicrystalline poly(vinylidene) fluoride. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 588-597.	2.1	11
28	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.	1.4	3
29	Maintenance of chondrocyte phenotype during expansion on PLLA microtopographies. Journal of Tissue Engineering, 2018, 9, 204173141878982.	5.5	18
30	Fluctuations of conformational mobility of macromolecules around the glass transition. Physical Review E, 2018, 97, 062605.	2.1	2
31	Fast degrading polymer networks based on carboxymethyl chitosan. Materials Today Communications, 2017, 10, 54-66.	1.9	7
32	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.	4.0	18
33	Biodegradable chitosan-poly(Æ•caprolactone) dialdehyde copolymer networks for soft tissue engineering. Polymer Degradation and Stability, 2017, 138, 47-54.	5.8	12
34	Kinetic study of thermal degradation of chitosan as a function of deacetylation degree. Carbohydrate Polymers, 2017, 167, 52-58.	10.2	58
35	Chitosan patterning on titanium implants. Progress in Organic Coatings, 2017, 111, 23-28.	3.9	21
36	Human platelet-rich plasma improves the nesting and differentiation of human chondrocytes cultured in stabilized porous chitosan scaffolds. Journal of Tissue Engineering, 2017, 8, 204173141769754.	5.5	13

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37	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.	5.8	5
38	Development of a Ta/TaN/TaNx(Ag)y/TaN nanocomposite coating system and bio-response study for biomedical applications. Vacuum, 2017, 145, 55-67.	3.5	20
39	A study of some fundamental physicochemical variables on the morphology of mesoporous silica nanoparticles MCM-41 type. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	9
40	Synthesis of highly swellable hydrogels of water-soluble carboxymethyl chitosan and poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.1	15
41	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
42	Electrospun PVA/Bentonite Nanocomposites Mats for Drug Delivery. Materials, 2017, 10, 1448.	2.9	25
43	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.	1.4	15
44	Hydrophobic/hydrophilic P(VDFâ€TrFE)/PHEA polymer blend membranes. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 672-679.	2.1	4
45	<i>In vitro</i> assessment of the biological response of Ti6Al4V implants coated with hydroxyapatite microdomains. Journal of Biomedical Materials Research - Part A, 2016, 104, 2723-2729.	4.0	15
46	Mechanical fatigue performance of PCLâ€chondroprogenitor constructs after cell culture under bioreactor mechanical stimulus. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 330-338.	3.4	9
47	Effects of Solvent Crystallization in Swollennet-Poly(ethyl acrylate) Î± Relaxation Dynamics. Journal of Physical Chemistry B, 2016, 120, 13206-13217.	2.6	1
48	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.	5.0	9
49	Surface stiffening and enhanced photoluminescence of ion implanted cellulose â€“ polyvinyl alcohol â€“ silica composite. Carbohydrate Polymers, 2016, 153, 619-630.	10.2	9
50	Local deformation in a hydrogel induced by an external magnetic field. Journal of Materials Science, 2016, 51, 9979-9990.	3.7	6
51	Biodegradable polyester networks including hydrophilic groups favor BMSCs differentiation and can be eroded by macrophage action. Polymer Degradation and Stability, 2016, 130, 38-46.	5.8	5
52	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.	1.2	5
53	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
54	Prediction of the â€œin vivoâ€ mechanical behavior of biointegrable acrylic macroporous scaffolds. Materials Science and Engineering C, 2016, 61, 651-658.	7.3	1

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55	MC3T3-E1 Cell Response to Ti_{1â€“<i>x</i>}Ag_{<i>x</i>} and Ag-TiN_{<i>x</i>} Electrodes Deposited on Piezoelectric Poly(vinylidene fluoride) Substrates for Sensor Applications. ACS Applied Materials & Interfaces, 2016, 8, 4199-4207.	8.0	10
56	Strategies for the development of three dimensional scaffolds from piezoelectric poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	7.0	52
57	Design and validation of a biomechanical bioreactor for cartilage tissue culture. Biomechanics and Modeling in Mechanobiology, 2016, 15, 471-478.	2.8	13
58	Phase morphology and crystallinity of poly(vinylidene fluoride)/poly(ethylene oxide) piezoelectric blend membranes. Materials Today Communications, 2015, 4, 214-221.	1.9	18
59	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
60	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
61	Implantation of a Polycaprolactone Scaffold with Subchondral Bone Anchoring Ameliorates Nodules Formation and Other Tissue Alterations. International Journal of Artificial Organs, 2015, 38, 659-666.	1.4	16
62	Porous Polylactic Acid-Silica Hybrids: Preparation, Characterization, and Study of Mesenchymal Stem Cell Osteogenic Differentiation. Macromolecular Bioscience, 2015, 15, 262-274.	4.1	7
63	Dielectric relaxation dynamics of high-temperature piezoelectric polyimide copolymers. Applied Physics A: Materials Science and Processing, 2015, 120, 731-743.	2.3	16
64	An experimental fatigue study of a porous scaffold for the regeneration of articular cartilage. Journal of Biomechanics, 2015, 48, 1310-1317.	2.1	27
65	Macroporous thin membranes for cell transplant in regenerative medicine. Biomaterials, 2015, 67, 254-263.	11.4	1
66	Determining the influence of N-acetylation on water sorption in chitosan films. Carbohydrate Polymers, 2015, 133, 110-116.	10.2	27
67	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
68	Engineering Interpenetrating Polymer Networks of Poly(2-Hydroxyethyl Acrylate) asEx VivoPlatforms for Articular Cartilage Regeneration. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 745-754.	3.4	4
69	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
70	Thermalâ€“mechanical behaviour of chitosanâ€“cellulose derivative thermoreversible hydrogel films. Cellulose, 2015, 22, 1911-1929.	4.9	49
71	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
72	Effect of the degree of porosity on the performance of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (fluoride-trifluoroeth Solid State Ionics, 2015, 280, 1-9.	2.7	33

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73	Thermal analysis of water in reinforced plasma-polymerised poly(2-hydroxyethyl acrylate) hydrogels. European Polymer Journal, 2015, 72, 523-534.	5.4	22
74	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, 716-728.	3.1	10
75	<i>In vitro</i> mechanical fatigue behavior of polyâ€É›â€•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, 1037-1043.	3.4	14
76	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
77	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
78	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, 3229-3236.	4.0	14
79	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
80	Influence of electrospinning parameters on poly(hydroxybutyrate) electrospun membranes fiber size and distribution. Polymer Engineering and Science, 2014, 54, 1608-1617.	3.1	35
81	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
82	Processing and characterization of Î±-elastin electrospun membranes. Applied Physics A: Materials Science and Processing, 2014, 115, 1291-1298.	2.3	12
83	New porous polycaprolactoneâ€“silica composites for bone regeneration. Materials Science and Engineering C, 2014, 40, 418-426.	7.3	34
84	Poly(É›-caprolactone) Electrospun Scaffolds Filled with Nanoparticles. Production and Optimization According to Taguchi's Methodology. Journal of Macromolecular Science - Physics, 2014, 53, 781-799.	1.0	18
85	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
86	Electrosprayed poly(vinylidene fluoride) microparticles for tissue engineering applications. RSC Advances, 2014, 4, 33013-33021.	3.6	77
87	Hybrid Polycaprolactone/Silica Porous Membranes Produced by Solâ€•Gel. Macromolecular Symposia, 2014, 341, 34-44.	0.7	9
88	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.	3.1	4
89	Polycaprolactone membranes reinforced by toughened solâ€“gel produced silica networks. Journal of Sol-Gel Science and Technology, 2014, 71, 136-146.	2.4	1
90	Effect of neutralization and cross-linking on the thermal degradation of chitosan electrospun membranes. Journal of Thermal Analysis and Calorimetry, 2014, 117, 123-130.	3.6	14

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91	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
92	Evolution of the properties of a poly(<scp>l</scp>â€lactic acid) scaffold with double porosity during <i>in vitro</i> degradation in a phosphateâ€buffered saline solution. Journal of Applied Polymer Science, 2014, 131, .	2.6	16
93	Chitosanâ€“silica hybrid porous membranes. Materials Science and Engineering C, 2014, 42, 553-561.	7.3	59
94	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.	3.1	5
95	Fibrinâ€chitosan composite substrate for <i>in vitro</i> culture of chondrocytes. Journal of Biomedical Materials Research - Part A, 2013, 101A, 404-412.	4.0	3
96	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
97	Chitosan microparticles for â€œin vitroâ€•3D culture of human chondrocytes. RSC Advances, 2013, 3, 6362.	3.6	6
98	Composition-dependent physical properties of poly[(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (fluoride)-co-trifluoroethyl 3494-3504.	3.7	36
99	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
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	Silica phase formed by solâ€“gel reaction in the nano- and micro-pores of a polymer hydrogel. Journal of Non-Crystalline Solids, 2013, 379, 12-20.	3.1	3
102	Fatigue prediction in fibrin poly-Îµ-caprolactone macroporous scaffolds. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 28, 55-61.	3.1	22
103	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
104	Computer simulation of the heterogeneity of segmental dynamics in amorphous polymers. Journal of Non-Crystalline Solids, 2013, 362, 175-179.	3.1	5
105	Dielectric relaxation, ac conductivity and electric modulus in poly(vinylidene fluoride)/NaY zeolite composites. Solid State Ionics, 2013, 235, 42-50.	2.7	104
106	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
107	Improved regeneration of articular cartilage by human mesenchymal stem cells through osteoclasts and BMP2 signaling. Osteoarthritis and Cartilage, 2013, 21, S116.	1.3	1
108	Fibronectin fixation on poly(ethyl acrylate)â€“based copolymers. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 991-997.	3.4	7

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109	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
110	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.	0.1	8
111	Fabrication of Poly(lactic acid)-Poly(ethylene oxide) Electrospun Membranes with Controlled Micro to Nanofiber Sizes. Journal of Nanoscience and Nanotechnology, 2012, 12, 6746-6753.	0.9	7
112	Water and protein dynamics in protein-water mixtures over wide range of composition. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 1239-1246.	2.9	13
113	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
114	[P1.034] Comparing Performance of Solid Polymer Electrolytes Based on Poly(Vinylidene Fluoride â€“) Tj ETQq0 0 0 rgBT /Overlock 10 T 751-752.	1.2	0
115	Electrical and thermal behavior of Î³-phase poly(vinylidene fluoride)/NaY zeolite composites. Microporous and Mesoporous Materials, 2012, 161, 98-105.	4.4	39
116	Conformation and segmental mobility of a diluted single polymer chain simulated with bond fluctuation model. Journal of Non-Crystalline Solids, 2012, 358, 1452-1458.	3.1	2
117	Thermal Properties of Electrospun Poly(Lactic Acid) Membranes. Journal of Macromolecular Science - Physics, 2012, 51, 411-424.	1.0	20
118	Relaxation dynamics of poly(vinylidene fluoride) studied by dynamical mechanical measurements and dielectric spectroscopy. European Physical Journal E, 2012, 35, 41.	1.6	68
119	Fibronectin adsorption and cell response on electroactive poly(vinylidene fluoride) films. Biomedical Materials (Bristol), 2012, 7, 035004.	3.3	83
120	Hydrolytic degradation of PLLA/PCL microporous membranes prepared by freeze extraction. Polymer Degradation and Stability, 2012, 97, 1621-1632.	5.8	68
121	Physical-chemical properties of cross-linked chitosan electrospun fiber mats. Polymer Testing, 2012, 31, 1062-1069.	4.8	52
122	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
123	<i>InÂvitro</i>3D culture of human chondrocytes using modifiedÎµ-caprolactone scaffolds with varying hydrophilicity and porosity. Journal of Biomaterials Applications, 2012, 27, 299-309.	2.4	17
124	Enhanced proliferation of pre-osteoblastic cells by dynamic piezoelectric stimulation. RSC Advances, 2012, 2, 11504.	3.6	106
125	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.	2.4	17
126	Assessment of parameters influencing fiber characteristics of chitosan nanofiber membrane to optimize fiber mat production. Polymer Engineering and Science, 2012, 52, 1293-1300.	3.1	16

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127	Stirred flow bioreactor modulates chondrocyte growth and extracellular matrix biosynthesis in chitosan scaffolds. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2330-2341.	4.0	9
128	Channeled scaffolds implanted in adult rat brain. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3276-3286.	4.0	40
129	Thermal transitions and dynamics in nanocomposite hydrogels. Journal of Thermal Analysis and Calorimetry, 2012, 108, 1067-1078.	3.6	2
130	Determination of the parameters affecting electrospun chitosan fiber size distribution and morphology. Carbohydrate Polymers, 2012, 87, 1295-1301.	10.2	90
131	Implantation of bilayered plla scaffolds loaded with mesenchymal stem cells (MSCS) in a sheep model of osteochondral lesions. Osteoarthritis and Cartilage, 2012, 20, S274-S275.	1.3	0
132	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
133	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
134	Cooperative Segmental Motions in Ethyl Acrylate/Triethylene Glycol Dimethacrylate Copolymer Networks Studied by Dielectric Techniques. Macromolecules, 2011, 44, 8233-8244.	4.8	4
135	Tailoring the morphology and crystallinity of poly(L-lactide acid) electrospun membranes. Science and Technology of Advanced Materials, 2011, 12, 015001.	6.1	115
136	A simple model for cooperative and non-exponential processes in non-crystalline polymers. Journal of Non-Crystalline Solids, 2011, 357, 367-370.	3.1	3
137	Biodegradable poly(<scp>L</scp>â€lactide) and polycaprolactone block copolymer networks. Polymer International, 2011, 60, 264-270.	3.1	4
138	Glass transition and polymer dynamics in silver/poly(methyl methacrylate) nanocomposites. European Polymer Journal, 2011, 47, 1514-1525.	5.4	39
139	Water and polymer dynamics in poly(hydroxyl ethyl acrylate-co-ethyl acrylate) copolymer hydrogels. European Polymer Journal, 2011, 47, 2391-2402.	5.4	12
140	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
141	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
142	Molecular mobility in biodegradable poly($ varepsilon$ -caprolactone)/poly(hydroxyethyl acrylate) networks. European Physical Journal E, 2011, 34, 37.	1.6	9
143	Glass Transition and Dynamics in Lysozymeâ€“Water Mixtures Over Wide Ranges of Composition. Food Biophysics, 2011, 6, 199-209.	3.0	37
144	Polymer segmental dynamics and solvent thermal transitions in poly(ethyl acrylate)/<i>p</i>â€xylene mixtures. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 455-466.	2.1	4

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145	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
146	Segmented poly(urethaneâ€urea) elastomers based on polycaprolactone: Structure and properties. Journal of Applied Polymer Science, 2011, 119, 2093-2104.	2.6	36
147	Assessment of the parameters influencing the fiber characteristics of electrospun poly(ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	5.4	24
148	Semicrystalline ordering in polymeric systems simulated by Bond Fluctuation Model. Polymer, 2011, 52, 571-576.	3.8	0
149	Kinetics of free radical polymerization probed by dielectric relaxation spectroscopy under high conductivity conditions. Polymer, 2011, 52, 1944-1953.	3.8	11
150	Water and protein dynamics in protein - Water mixtures over wide ranges of composition. , 2011, , .		1
151	Poly(vinylidene fluoride-trifluoroethylene) (72/28) interconnected porous membranes obtained by crystallization from solution. Materials Research Society Symposia Proceedings, 2011, 1312, 1.	0.1	12
152	Three-Dimensional Scaffolds as a Model System for Neural and Endothelial â€˜In Vitroâ€™ Culture. Journal of Biomaterials Applications, 2011, 26, 293-310.	2.4	6
153	Structure and dynamics in poly(L-lactide) copolymer networks. Colloid and Polymer Science, 2010, 288, 555-565.	2.1	7
154	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
155	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
156	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
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