

# Joo F Mano

## List of Publications by Citations

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767  
papers

34,352  
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92  
h-index

147  
g-index

808  
ext. papers

37,992  
ext. citations

6.6  
avg, IF

7.87  
L-index

#	Paper	IF	Citations
767	Natural origin biodegradable systems in tissue engineering and regenerative medicine: present status and some moving trends. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 999-1030	4.1	843
766	Chitosan derivatives obtained by chemical modifications for biomedical and environmental applications. <i>International Journal of Biological Macromolecules</i> , <b>2008</b> , 43, 401-14	7.9	594
765	Molecular interactions driving the layer-by-layer assembly of multilayers. <i>Chemical Reviews</i> , <b>2014</b> , 114, 8883-942	68.1	585
764	Stimuli-Responsive Polymeric Systems for Biomedical Applications. <i>Advanced Engineering Materials</i> , <b>2008</b> , 10, 515-527	3.5	528
763	Graft copolymerized chitosan present status and applications. <i>Carbohydrate Polymers</i> , <b>2005</b> , 62, 142-158	10.3	491
762	Three-dimensional plotted scaffolds with controlled pore size gradients: Effect of scaffold geometry on mechanical performance and cell seeding efficiency. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1009-18	10.8	402
761	Novel hydroxyapatite/chitosan bilayered scaffold for osteochondral tissue-engineering applications: Scaffold design and its performance when seeded with goat bone marrow stromal cells. <i>Biomaterials</i> , <b>2006</b> , 27, 6123-37	15.6	387
760	Polymer/bioactive glass nanocomposites for biomedical applications: A review. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 1764-1776	8.6	384
759	Natural polymers for the microencapsulation of cells. <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11, 20140817	4.1	381
758	Chitosan-based particles as controlled drug delivery systems. <i>Drug Delivery</i> , <b>2005</b> , 12, 41-57	7	354
757	Bioinert, biodegradable and injectable polymeric matrix composites for hard tissue replacement: state of the art and recent developments. <i>Composites Science and Technology</i> , <b>2004</b> , 64, 789-817	8.6	343
756	FTIR AND DSC STUDIES OF MECHANICALLY DEFORMED PVDF FILMS. <i>Journal of Macromolecular Science - Physics</i> , <b>2001</b> , 40, 517-527	1.4	303
755	Stimuli-responsive hydrogels based on polysaccharides incorporated with thermo-responsive polymers as novel biomaterials. <i>Macromolecular Bioscience</i> , <b>2006</b> , 6, 991-1008	5.5	287
754	Starch-based biodegradable hydrogels with potential biomedical applications as drug delivery systems. <i>Biomaterials</i> , <b>2002</b> , 23, 1955-66	15.6	274
753	Thermal properties of thermoplastic starch/synthetic polymer blends with potential biomedical applicability. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2003</b> , 14, 127-35	4.5	268
752	Smart thermoresponsive coatings and surfaces for tissue engineering: switching cell-material boundaries. <i>Trends in Biotechnology</i> , <b>2007</b> , 25, 577-83	15.1	265
751	Controlling cell behavior through the design of polymer surfaces. <i>Small</i> , <b>2010</b> , 6, 2208-20	11	257

750	Electrically conductive chitosan/carbon scaffolds for cardiac tissue engineering. <i>Biomacromolecules</i> , <b>2014</b> , 15, 635-43	6.9	248
749	Genipin-cross-linked collagen/chitosan biomimetic scaffolds for articular cartilage tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 95, 465-75	5.4	247
748	Macro/microporous silk fibroin scaffolds with potential for articular cartilage and meniscus tissue engineering applications. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 289-301	10.8	237
747	Polyelectrolyte multilayered assemblies in biomedical technologies. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 3453-79	58.5	226
746	Production and characterization of chitosan fibers and 3-D fiber mesh scaffolds for tissue engineering applications. <i>Macromolecular Bioscience</i> , <b>2004</b> , 4, 811-9	5.5	207
745	Novel genipin-cross-linked chitosan/silk fibroin sponges for cartilage engineering strategies. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2764-74	6.9	205
744	Natural and Genetically Engineered Proteins for Tissue Engineering. <i>Progress in Polymer Science</i> , <b>2012</b> , 37, 1-17	29.6	199
743	Properties of melt processed chitosan and aliphatic polyester blends. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 403, 57-68	5.3	197
742	Osteochondral defects: present situation and tissue engineering approaches. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2007</b> , 1, 261-73	4.4	186
741	Chitosan/poly(epsilon-caprolactone) blend scaffolds for cartilage repair. <i>Biomaterials</i> , <b>2011</b> , 32, 1068-79	15.6	182
740	Bionanocomposites from lignocellulosic resources: Properties, applications and future trends for their use in the biomedical field. <i>Progress in Polymer Science</i> , <b>2013</b> , 38, 1415-1441	29.6	179
739	Biomimetic design of materials and biomaterials inspired by the structure of nacre. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2009</b> , 367, 1587-605	3	176
738	The dynamic effect of pipe-wall viscoelasticity in hydraulic transients. Part II: model development, calibration and verification. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2005</b> , 43, 56-70	1.9	171
737	Chitosan/bioactive glass nanoparticle composite membranes for periodontal regeneration. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 4173-80	10.8	170
736	Gellan gum-based hydrogels for intervertebral disc tissue-engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2011</b> , 5, e97-107	4.4	170
735	Bioinspired Degradable Substrates with Extreme Wettability Properties. <i>Advanced Materials</i> , <b>2009</b> , 21, 1830-1834	24	160
734	Dendrimers and derivatives as a potential therapeutic tool in regenerative medicine strategies: a review. <i>Progress in Polymer Science</i> , <b>2010</b> , 35, 1163-1194	29.6	156
733	Marine Origin Polysaccharides in Drug Delivery Systems. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	153

732	Chitosan derivatives bearing cyclodextrin cavities as novel adsorbent matrices. <i>Carbohydrate Polymers</i> , <b>2006</b> , 63, 153-166	10.3	150
731	Materials of marine origin: a review on polymers and ceramics of biomedical interest. <i>International Materials Reviews</i> , <b>2012</b> , 57, 276-306	16.1	146
730	Bone physiology as inspiration for tissue regenerative therapies. <i>Biomaterials</i> , <b>2018</b> , 185, 240-275	15.6	145
729	Preparation and in vitro characterization of scaffolds of poly(L-lactic acid) containing bioactive glass ceramic nanoparticles. <i>Acta Biomaterialia</i> , <b>2008</b> , 4, 1297-306	10.8	143
728	Extracellular vesicles, exosomes and shedding vesicles in regenerative medicine - a new paradigm for tissue repair. <i>Biomaterials Science</i> , <b>2017</b> , 6, 60-78	7.4	142
727	New partially degradable and bioactive acrylic bone cements based on starch blends and ceramic fillers. <i>Biomaterials</i> , <b>2002</b> , 23, 1883-95	15.6	141
726	Ionic liquids in the processing and chemical modification of chitin and chitosan for biomedical applications. <i>Green Chemistry</i> , <b>2017</b> , 19, 1208-1220	10	138
725	Development of Injectable Hyaluronic Acid/Cellulose Nanocrystals Bionanocomposite Hydrogels for Tissue Engineering Applications. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 1571-81	6.3	138
724	Drug release of pH/temperature-responsive calcium alginate/poly(N-isopropylacrylamide) semi-IPN beads. <i>Macromolecular Bioscience</i> , <b>2006</b> , 6, 358-63	5.5	138
723	Development of bioactive and biodegradable chitosan-based injectable systems containing bioactive glass nanoparticles. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 115-23	10.8	136
722	Carrageenan-based hydrogels for the controlled delivery of PDGF-BB in bone tissue engineering applications. <i>Biomacromolecules</i> , <b>2009</b> , 10, 1392-401	6.9	136
721	Chemical modification of starch based biodegradable polymeric blends: effects on water uptake, degradation behaviour and mechanical properties. <i>Polymer Degradation and Stability</i> , <b>2000</b> , 70, 161-170	4.7	136
720	Designing biomaterials based on biomineralization of bone. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2911		134
719	Morphological Contributions to Glass Transition in Poly(L-lactic acid). <i>Macromolecules</i> , <b>2005</b> , 38, 4712-4718	5.5	132
718	Nanostructured polymeric coatings based on chitosan and dopamine-modified hyaluronic acid for biomedical applications. <i>Small</i> , <b>2014</b> , 10, 2459-69	11	131
717	Preparation and in vitro characterization of novel bioactive glass ceramic nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 88, 304-13	5.4	126
716	Chitosan scaffolds containing hyaluronic acid for cartilage tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , <b>2011</b> , 17, 717-30	2.9	125
715	Glass transition and structural relaxation in semi-crystalline poly(ethylene terephthalate): a DSC study. <i>Polymer</i> , <b>2002</b> , 43, 4111-4122	3.9	125

7 <sup>14</sup>	Interactions between cells or proteins and surfaces exhibiting extreme wettabilities. <i>Soft Matter</i> , <b>2013</b> , 9, 2985	3.6	123
7 <sup>13</sup>	Mobile amorphous phase fragility in semi-crystalline polymers: Comparison of PET and PLLA. <i>Polymer</i> , <b>2007</b> , 48, 1012-1019	3.9	123
7 <sup>12</sup>	Marine algae sulfated polysaccharides for tissue engineering and drug delivery approaches. <i>Biomatter</i> , <b>2012</b> , 2, 278-89		122
7 <sup>11</sup>	The osteogenic differentiation of rat bone marrow stromal cells cultured with dexamethasone-loaded carboxymethylchitosan/poly(amidoamine) dendrimer nanoparticles. <i>Biomaterials</i> , <b>2009</b> , 30, 804-13	15.6	121
7 <sup>10</sup>	Glass transition dynamics and structural relaxation of PLLA studied by DSC: Influence of crystallinity. <i>Polymer</i> , <b>2005</b> , 46, 8258-8265	3.9	121
7 <sup>09</sup>	Gellan gum injectable hydrogels for cartilage tissue engineering applications: in vitro studies and preliminary in vivo evaluation. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 343-53	3.9	120
7 <sup>08</sup>	Bioinspired Ultratough Hydrogel with Fast Recovery, Self-Healing, Injectability and Cytocompatibility. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700759	24	118
7 <sup>07</sup>	Polymer-based microparticles in tissue engineering and regenerative medicine. <i>Biotechnology Progress</i> , <b>2011</b> , 27, 897-912	2.8	118
7 <sup>06</sup>	Free-standing polyelectrolyte membranes made of chitosan and alginate. <i>Biomacromolecules</i> , <b>2013</b> , 14, 1653-60	6.9	117
7 <sup>05</sup>	Plasma surface modification of chitosan membranes: characterization and preliminary cell response studies. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 568-76	5.5	117
7 <sup>04</sup>	Bilayered silk/silk-nanoCaP scaffolds for osteochondral tissue engineering: In vitro and in vivo assessment of biological performance. <i>Acta Biomaterialia</i> , <b>2015</b> , 12, 227-241	10.8	115
7 <sup>03</sup>	Cold Crystallization of PLLA Studied by Simultaneous SAXS and WAXS. <i>Macromolecular Materials and Engineering</i> , <b>2004</b> , 289, 910-915	3.9	115
7 <sup>02</sup>	Gellan gum: a new biomaterial for cartilage tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 93, 852-63	5.4	111
7 <sup>01</sup>	Self assembling and crosslinking of polyelectrolyte multilayer films of chitosan and alginate studied by QCM and IR spectroscopy. <i>Macromolecular Bioscience</i> , <b>2009</b> , 9, 776-85	5.5	111
7 <sup>00</sup>	Functional nanostructured chitosan-siloxane hybrids. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 3952		110
6 <sup>99</sup>	Controlled release strategies for bone, cartilage, and osteochondral engineering--Part I: recapitulation of native tissue healing and variables for the design of delivery systems. <i>Tissue Engineering - Part B: Reviews</i> , <b>2013</b> , 19, 308-26	7.9	109
6 <sup>98</sup>	Dissolution enhancement of active pharmaceutical ingredients by therapeutic deep eutectic systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 98, 57-66	5.7	108
6 <sup>97</sup>	Mineralized structures in nature: Examples and inspirations for the design of new composite materials and biomaterials. <i>Composites Science and Technology</i> , <b>2010</b> , 70, 1777-1788	8.6	108

696	Preparation and characterization of bioactive glass nanoparticles prepared by sol-gel for biomedical applications. <i>Nanotechnology</i> , <b>2011</b> , 22, 494014	3.4	106
695	Green processing of porous chitin structures for biomedical applications combining ionic liquids and supercritical fluid technology. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1166-72	10.8	106
694	Chitosan coated alginate beads containing poly(N-isopropylacrylamide) for dual-stimuli-responsive drug release. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2008</b> , 84, 595-603	3.5	106
693	Extremely strong and tough hydrogels as prospective candidates for tissue repair [A review]. <i>European Polymer Journal</i> , <b>2015</b> , 72, 344-364	5.2	104
692	Characterization of poled and non-poled PVDF films using thermal analysis techniques. <i>Thermochimica Acta</i> , <b>2004</b> , 424, 201-207	2.9	102
691	Status and future scope of plant-based green hydrogels in biomedical engineering. <i>Applied Materials Today</i> , <b>2019</b> , 16, 213-246	6.6	100
690	Two-Dimensional Open Microfluidic Devices by Tuning the Wettability on Patterned Superhydrophobic Polymeric Surface. <i>Applied Physics Express</i> , <b>2010</b> , 3, 085205	2.4	100
689	Physical properties and biocompatibility of chitosan/soy blended membranes. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2005</b> , 16, 575-9	4.5	99
688	An investigation of the potential application of chitosan/aloe-based membranes for regenerative medicine. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 6790-7	10.8	98
687	Preparation of chitosan scaffolds loaded with dexamethasone for tissue engineering applications using supercritical fluid technology. <i>European Polymer Journal</i> , <b>2009</b> , 45, 141-148	5.2	98
686	Preparation and characterization of poly(L-lactic acid)-chitosan hybrid scaffolds with drug release capability. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2007</b> , 81, 427-34	3.5	97
685	Morphology and miscibility of chitosan/soy protein blended membranes. <i>Carbohydrate Polymers</i> , <b>2007</b> , 70, 25-31	10.3	97
684	Development and characterization of a novel hybrid tissue engineering-based scaffold for spinal cord injury repair. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 45-54	3.9	96
683	High-throughput evaluation of interactions between biomaterials, proteins and cells using patterned superhydrophobic substrates. <i>Soft Matter</i> , <b>2011</b> , 7, 4147	3.6	96
682	Thermal and Thermomechanical Behaviour of Polycaprolactone and Starch/Polycaprolactone Blends for Biomedical Applications. <i>Macromolecular Materials and Engineering</i> , <b>2005</b> , 290, 792-801	3.9	96
681	Effect of the labelling ratio on the photophysics of fluorescein isothiocyanate (FITC) conjugated to bovine serum albumin. <i>Photochemical and Photobiological Sciences</i> , <b>2007</b> , 6, 152-8	4.2	95
680	Influence of melting conditions on the thermal behaviour of poly(L-lactic acid). <i>European Polymer Journal</i> , <b>2005</b> , 41, 2335-2342	5.2	95
679	Nanostructured 3D constructs based on chitosan and chondroitin sulphate multilayers for cartilage tissue engineering. <i>PLoS ONE</i> , <b>2013</b> , 8, e55451	3.7	95

678	Carboxymethyl chitosan-graft-phosphatidylethanolamine: Amphiphilic matrices for controlled drug delivery. <i>Reactive and Functional Polymers</i> , <b>2007</b> , 67, 43-52	4.6	94
677	Design of spherically structured 3D in vitro tumor models -Advances and prospects. <i>Acta Biomaterialia</i> , <b>2018</b> , 75, 11-34	10.8	94
676	New poly(epsilon-caprolactone)/chitosan blend fibers for tissue engineering applications. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 418-28	10.8	93
675	Controlled release strategies for bone, cartilage, and osteochondral engineering--Part II: challenges on the evolution from single to multiple bioactive factor delivery. <i>Tissue Engineering - Part B: Reviews</i> , <b>2013</b> , 19, 327-52	7.9	91
674	Viscoelastic Behavior of Poly(methyl methacrylate) Networks with Different Cross-Linking Degrees. <i>Macromolecules</i> , <b>2004</b> , 37, 3735-3744	5.5	90
673	Hydroxypropyl chitosan bearing beta-cyclodextrin cavities: synthesis and slow release of its inclusion complex with a model hydrophobic drug. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 965-73	5.5	90
672	Layer-by-Layer Assembly of Light-Responsive Polymeric Multilayer Systems. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5624-5648	15.6	88
671	Cell interactions with superhydrophilic and superhydrophobic surfaces. <i>Journal of Adhesion Science and Technology</i> , <b>2014</b> , 28, 843-863	2	88
670	Chemical modification of bioinspired superhydrophobic polystyrene surfaces to control cell attachment/proliferation. <i>Soft Matter</i> , <b>2011</b> , 7, 8932	3.6	88
669	Potential applications of natural origin polymer-based systems in soft tissue regeneration. <i>Critical Reviews in Biotechnology</i> , <b>2010</b> , 30, 200-21	9.4	88
668	Production methodologies of polymeric and hydrogel particles for drug delivery applications. <i>Expert Opinion on Drug Delivery</i> , <b>2012</b> , 9, 231-48	8	87
667	Layer-by-layer assembly of chitosan and recombinant biopolymers into biomimetic coatings with multiple stimuli-responsive properties. <i>Small</i> , <b>2011</b> , 7, 2640-9	11	87
666	Stimuli-responsive chitosan-starch injectable hydrogels combined with encapsulated adipose-derived stromal cells for articular cartilage regeneration. <i>Soft Matter</i> , <b>2010</b> , 6, 5184	3.6	87
665	Bioinspired superhydrophobic poly(L-lactic acid) surfaces control bone marrow derived cells adhesion and proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 480-8	5.4	87
664	Extraction and physico-chemical characterization of a versatile biodegradable polysaccharide obtained from green algae. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 2194-200	2.9	86
663	Viscoelastic properties of chitosan with different hydration degrees as studied by dynamic mechanical analysis. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 69-76	5.5	86
662	Influence of Semicrystalline Morphology on the Glass Transition of Poly(L-lactic acid). <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 1262-1271	2.6	86
661	Nature-inspired calcium phosphate coatings: present status and novel advances in the science of mimicry. <i>Current Opinion in Solid State and Materials Science</i> , <b>2003</b> , 7, 309-318	12	86



660	Chitosan membranes containing micro or nano-size bioactive glass particles: evolution of biomineralization followed by in situ dynamic mechanical analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2013</b> , 20, 173-83	4.1	85
659	Hybrid cork/polymer composites containing sisal fibre: Morphology, effect of the fibre treatment on the mechanical properties and tensile failure prediction. <i>Composite Structures</i> , <b>2013</b> , 105, 153-162	5.3	85
658	Synthesis of temperature-responsive dextran-MA/PNIPAAm particles for controlled drug delivery using superhydrophobic surfaces. <i>Pharmaceutical Research</i> , <b>2011</b> , 28, 1294-305	4.5	85
657	Development of new chitosan/carrageenan nanoparticles for drug delivery applications. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 1265-72	5.4	85
656	Superhydrophobic chips for cell spheroids high-throughput generation and drug screening. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9488-95	9.5	84
655	Wettability influences cell behavior on superhydrophobic surfaces with different topographies. <i>Biointerphases</i> , <b>2012</b> , 7, 46	1.8	84
654	The viscoelastic properties of cork. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 257-263	4.3	84
653	Effect of crosslinking in chitosan/aloe vera-based membranes for biomedical applications. <i>Carbohydrate Polymers</i> , <b>2013</b> , 98, 581-8	10.3	83
652	Supercritical fluids in biomedical and tissue engineering applications: a review. <i>International Materials Reviews</i> , <b>2009</b> , 54, 214-222	16.1	83
651	Bioinspired methodology to fabricate hydrogel spheres for multi-applications using superhydrophobic substrates. <i>Soft Matter</i> , <b>2010</b> , 6, 5868	3.6	82
650	Preparation and characterisation in simulated body conditions of glutaraldehyde crosslinked chitosan membranes. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2004</b> , 15, 1105-12	4.5	82
649	Biomimetic Extracellular Environment Based on Natural Origin Polyelectrolyte Multilayers. <i>Small</i> , <b>2016</b> , 12, 4308-42	11	81
648	Chitosan-chondroitin sulphate nanoparticles for controlled delivery of platelet lysates in bone regenerative medicine. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2012</b> , 6 Suppl 3, s47-59	4.4	80
647	Melt-based compression-molded scaffolds from chitosan-polyester blends and composites: Morphology and mechanical properties. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 489-504	5.4	80
646	Chondrogenic potential of injectable $\kappa$ -carrageenan hydrogel with encapsulated adipose stem cells for cartilage tissue-engineering applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, 550-63	4.4	79
645	Crystallization of Poly(l-lactic acid) Probed with Dielectric Relaxation Spectroscopy. <i>Macromolecules</i> , <b>2006</b> , 39, 6513-6520	5.5	79
644	Relaxation Studies in PEO/PMMA Blends. <i>Macromolecules</i> , <b>2000</b> , 33, 1002-1011	5.5	79
643	Stimuli-Responsive Thin Coatings Using Elastin-Like Polymers for Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 3210-3218	15.6	78



642	Influence of low-temperature nucleation on the crystallization process of poly(L-lactide). <i>Biomacromolecules</i> , <b>2005</b> , 6, 3283-90	6.9	78
641	Dynamic mechanical analysis and creep behaviour of EPVDF films. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 370, 336-340	5.3	78
640	Stimuli-Responsive Nanocomposite Hydrogels for Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2005941	15.6	78
639	Dexamethasone-loaded scaffolds prepared by supercritical-assisted phase inversion. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 2054-62	10.8	77
638	Microglia response and in vivo therapeutic potential of methylprednisolone-loaded dendrimer nanoparticles in spinal cord injury. <i>Small</i> , <b>2013</b> , 9, 738-49	11	76
637	Antimicrobial functionalized genetically engineered spider silk. <i>Biomaterials</i> , <b>2011</b> , 32, 4255-66	15.6	76
636	The use of ionic liquids in the processing of chitosan/silk hydrogels for biomedical applications. <i>Green Chemistry</i> , <b>2012</b> , 14, 1463	10	74
635	Rheological and mechanical properties of acellular and cell-laden methacrylated gellan gum hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 3438-46	5.4	74
634	Development of gellan gum-based microparticles/hydrogel matrices for application in the intervertebral disc regeneration. <i>Tissue Engineering - Part C: Methods</i> , <b>2011</b> , 17, 961-72	2.9	74
633	Synthesis and characterization of pH-sensitive thiol-containing chitosan beads for controlled drug delivery applications. <i>Drug Delivery</i> , <b>2007</b> , 14, 9-17	7	73
632	Coating Strategies Using Layer-by-layer Deposition for Cell Encapsulation. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1753-64	4.5	71
631	Tailored freestanding multilayered membranes based on chitosan and alginate. <i>Biomacromolecules</i> , <b>2014</b> , 15, 3817-26	6.9	70
630	Strategic Advances in Formation of Cell-in-Shell Structures: From Syntheses to Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706063	24	69
629	Novel cork/polymer composites reinforced with short natural coconut fibres: Effect of fibre loading and coupling agent addition. <i>Composites Science and Technology</i> , <b>2013</b> , 78, 56-62	8.6	69
628	Preparation of starch-based scaffolds for tissue engineering by supercritical immersion precipitation. <i>Journal of Supercritical Fluids</i> , <b>2009</b> , 49, 279-285	4.2	69
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93	Soft Constructs for Skin Tissue Engineering <b>2012</b> , 537-557		2
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80	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35469-35483	9.5	2
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78	An Immunomodulatory Miniaturized 3D Screening Platform Using Liquefied Capsules. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001993	10.1	2
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74	Thin Silica-Based Microsheets with Controlled Geometry. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1574-1578	2.3	1
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69	Stimuli-Responsive Surfaces for Biomedical Applications <b>2013</b> , 63-87		1
68	Plasma-Assisted Surface Treatments and Modifications for Biomedical Applications <b>2013</b> , 375-408		1
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64	Nanoscale Control of Cell Behavior on Biointerfaces <b>2012</b> , 213-236		1
63	Surfaces with Extreme Wettability Ranges for Biomedical Applications <b>2012</b> , 237-257		1
62	Nanostructures and Nanostructured Networks for Smart Drug Delivery <b>2012</b> , 417-458		1
61	Biomimetic Hydrogels for Regenerative Medicine <b>2012</b> , 503-513		1
60	Biomimetic and Smart Polymeric Surfaces for Biomedical and Biotechnological Applications. <i>Materials Science Forum</i> , <b>2010</b> , 636-637, 3-8	0.4	1
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54	Glass Transition And Compensation Phenomenon In Thermally Stimulated Studies On Polymers. <i>Materials Research Innovations</i> , <b>2004</b> , 8, 136-137	1.9	1
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