

Carmen Mijangos

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152 papers	4,881 citations	37 h-index	61 g-index
153 ext. papers	5,272 ext. citations	4.6 avg, IF	5.6 L-index

#	Paper	IF	Citations
152	Effect of crosslinking on the mechanical and thermal properties of poly(vinyl alcohol). <i>Polymer</i> , 2000 , 41, 9265-9272	3.9	412
151	Tailored polymer-based nanorods and nanotubes by "template synthesis": From preparation to applications. <i>Polymer</i> , 2012 , 53, 1149-1166	3.9	162
150	Confinement effects on polymer crystallization: From droplets to alumina nanopores. <i>Polymer</i> , 2013 , 54, 4059-4077	3.9	149
149	Effect of nanoconfinement on polymer dynamics: surface layers and interphases. <i>Physical Review Letters</i> , 2013 , 110, 108303	7.4	133
148	A review on the progress of polymer nanostructures with modulated morphologies and properties, using nanoporous AAO templates. <i>Progress in Polymer Science</i> , 2016 , 54-55, 148-182	29.6	119
147	Direct observation of confined single chain dynamics by neutron scattering. <i>Physical Review Letters</i> , 2010 , 104, 197801	7.4	115
146	The Crystallization of Confined Polymers and Block Copolymers Infiltrated Within Alumina Nanotube Templates. <i>Macromolecules</i> , 2012 , 45, 1517-1528	5.5	111
145	Tailored polymer-based nanofibers and nanotubes by means of different infiltration methods into alumina nanopores. <i>Langmuir</i> , 2009 , 25, 1181-7	4	104
144	Chitosan nanoparticles for combined drug delivery and magnetic hyperthermia: From preparation to in vitro studies. <i>Carbohydrate Polymers</i> , 2017 , 157, 361-370	10.3	91
143	Confinement effects on the crystallization of poly(ethylene oxide) nanotubes. <i>Langmuir</i> , 2012 , 28, 12296-1303	4.3	84
142	Segmental Dynamics of Semicrystalline Poly(vinylidene fluoride) Nanorods. <i>Macromolecules</i> , 2009 , 42, 5395-5401	5.5	81
141	In situ Synthesis of Magnetic Iron Oxide Nanoparticles in Thermally Responsive Alginate-Poly(N-isopropylacrylamide) Semi-Interpenetrating Polymer Networks. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 176-81	4.8	80
140	Viscoelastic properties of poly(vinyl alcohol) hydrogels and ferrogels obtained through freezing-thawing cycles. <i>Polymer</i> , 2004 , 45, 5543-5549	3.9	72
139	Viscoelastic and swelling properties of glucose oxidase loaded polyacrylamide hydrogels and the evaluation of their properties as glucose sensors. <i>Polymer</i> , 2005 , 46, 2211-2217	3.9	72
138	Rheological and thermal properties of agarose aqueous solutions and hydrogels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 322-328	2.6	70
137	Preparation and characterization of poly(vinyl alcohol)-based magnetic nanocomposites. 1. Thermal and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 3215-3222	2.9	69
136	Structure of Poly(vinyl alcohol) Cryo-Hydrogels as Studied by Proton Low-Field NMR Spectroscopy. <i>Macromolecules</i> , 2009 , 42, 263-272	5.5	65

- ¹³⁵ Hybrid Surface Patterns Mimicking the Design of the Adhesive Toe Pad of Tree Frog. *ACS Nano*, **2017**, 11, 9711-9719 16.7 62
- ¹³⁴ Chitosan/agarose hydrogels: cooperative properties and microfluidic preparation. *Carbohydrate Polymers*, **2014**, 111, 348-55 10.3 61
- ¹³³ Use of alginate, chitosan and cellulose nanocrystals as emulsion stabilizers in the synthesis of biodegradable polymeric nanoparticles. *Journal of Colloid and Interface Science*, **2015**, 445, 31-39 9.3 61
- ¹³² UCST Responsive Microgels of Poly(acrylamide-*co*-acrylic acid) Copolymers: Structure and Viscoelastic Properties. *Macromolecules*, **2009**, 42, 9118-9123 5.5 61
- ¹³¹ Neutron scattering study of the dynamics of a polymer melt under nanoscopic confinement. *Journal of Chemical Physics*, **2009**, 131, 174901 3.9 59
- ¹³⁰ Confined crystallization of polymers within anodic aluminum oxide templates. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 1179-1194 2.6 58
- ¹²⁹ One Dimensional PMMA Nanofibers from AAO Templates. Evidence of Confinement Effects by Dielectric and Raman Analysis. *Macromolecules*, **2013**, 46, 4995-5002 5.5 55
- ¹²⁸ Magnetic nanoparticles: synthesis, ordering and properties. *Physica B: Condensed Matter*, **2004**, 354, 71-79 5.5 55
- ¹²⁷ Dynamic mechanical and dielectrical properties of poly(vinyl alcohol) and poly(vinyl alcohol)-based nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2001**, 39, 1968-1975 2.6 55
- ¹²⁶ Controlling PVA Hydrogels with β -Cyclodextrin. *Macromolecules*, **2004**, 37, 9620-9625 5.5 52
- ¹²⁵ Influence of iron oxide nanoparticles on the rheological properties of hybrid chitosan ferrogels. *Journal of Colloid and Interface Science*, **2009**, 339, 53-9 9.3 50
- ¹²⁴ Magnetic core-shell chitosan nanoparticles: rheological characterization and hyperthermia application. *Carbohydrate Polymers*, **2014**, 102, 691-8 10.3 49
- ¹²³ Effect of physical aging on the gas transport properties of PVC and PVC modified with pyridine groups. *Polymer*, **2001**, 42, 4817-4823 3.9 49
- ¹²² Surface modification of PVC films in solvent/non-solvent mixtures. *Polymer*, **2000**, 41, 5577-5582 3.9 49
- ¹²¹ Compositional Assignments for Chemically Modified PVC by Two-Dimensional NMR Spectroscopy. *Macromolecules*, **1995**, 28, 1364-1369 5.5 46
- ¹²⁰ Magnetic hydrogels derived from polysaccharides with improved specific power absorption: potential devices for remotely triggered drug delivery. *Journal of Physical Chemistry B*, **2010**, 114, 12002-12014 3.4 45
- ¹¹⁹ Nanocomposite chitosan hydrogels based on PLGA nanoparticles as potential biomedical materials. *European Polymer Journal*, **2018**, 99, 456-463 5.2 43
- ¹¹⁸ Selective Surface Modification of PVC Films As Revealed by Confocal Raman Microspectroscopy. *Macromolecules*, **2000**, 33, 6134-6139 5.5 43

117	An ultraviolet method for the determination of the residence time distribution in a twin screw extruder. <i>Polymer Engineering and Science</i> , 1991 , 31, 772-778	2.3	43
116	UCST-like hybrid PAAm-AA/Fe ₃ O ₄ microgels. Effect of Fe ₃ O ₄ nanoparticles on morphology, thermosensitivity and elasticity. <i>Langmuir</i> , 2011 , 27, 8027-35	4	38
115	Novel hydrogels of chitosan and poly(vinyl alcohol)-g-glycolic acid copolymer with enhanced rheological properties. <i>Carbohydrate Polymers</i> , 2014 , 103, 267-73	10.3	37
114	Cellular interactions of biodegradable nanorod arrays prepared by nondestructive extraction from nanoporous alumina. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3171		37
113	Confocal Raman Depth Profiling of Surface-Modified Polymer Films: Effects of Sample Refractive Index. <i>Applied Spectroscopy</i> , 2001 , 55, 1660-1664	3.1	36
112	Modification of poly(vinyl chloride) with new aromatic thiol compounds. Synthesis and characterization. <i>Polymer Degradation and Stability</i> , 2008 , 93, 585-591	4.7	34
111	PVC modification with new functional groups. Influence of hydrogen bonds on reactivity, stiffness and specific volume. <i>Polymer</i> , 2002 , 43, 2631-2636	3.9	34
110	Manufacture and characterization of chitosan/PLGA nanoparticles nanocomposite buccal films. <i>Carbohydrate Polymers</i> , 2017 , 173, 638-644	10.3	33
109	Novel strategy for the determination of UCST-like microgels network structure: effect on swelling behavior and rheology. <i>Soft Matter</i> , 2012 , 8, 337-346	3.6	32
108	Free Volume Analysis and Transport Mechanisms of PVC Modified with Fluorothiophenol Compounds. A Molecular Simulation Study. <i>Macromolecules</i> , 2010 , 43, 7357-7367	5.5	32
107	The Gas Transport Properties of PVC Functionalized with Mercapto Pyridine Groups. <i>Macromolecules</i> , 2002 , 35, 420-424	5.5	32
106	Local and controlled release of tamoxifen from multi (layer-by-layer) alginate/chitosan complex systems. <i>Carbohydrate Polymers</i> , 2019 , 206, 428-434	10.3	32
105	Thermally-induced softening of PNIPAm-based nanopillar arrays. <i>Soft Matter</i> , 2017 , 13, 2453-2464	3.6	31
104	A reappraisal of the thermoreversible gelation of aqueous poly(vinyl alcohol) solutions through freezing/thawing cycles. <i>Polymer</i> , 2002 , 43, 5661-5663	3.9	31
103	Structural organization of iron oxide nanoparticles synthesized inside hybrid polymer gels derived from alginate studied with small-angle X-ray scattering. <i>Langmuir</i> , 2009 , 25, 13212-8	4	30
102	Preparation of alginate hydrogels containing silver nanoparticles: a facile approach for antibacterial applications. <i>Polymer International</i> , 2016 , 65, 921-926	3.3	30
101	Poly (lactic-co-glycolic acid) particles prepared by microfluidics and conventional methods. Modulated particle size and rheology. <i>Journal of Colloid and Interface Science</i> , 2015 , 441, 90-7	9.3	29
100	Wetchemical surface modification of plasticized PVC. Characterization by FTIR-ATR and Raman microscopy. <i>Polymer</i> , 2003 , 44, 2263-2269	3.9	29

99	Composite Chitosan/Agarose Ferrogels for Potential Applications in Magnetic Hyperthermia. <i>Gels</i> , 2015 , 1, 69-80	4.2	28
98	Sol/Gel Transition of Aqueous Alginate Solutions Induced by Fe ²⁺ Cations. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 1254-1260	2.6	28
97	Study of poly(vinyl chloride) gels by means of stereospecific substitution reactions. <i>Macromolecules</i> , 1993 , 26, 5693-5697	5.5	28
96	In-situ polymerization of styrene in AAO nanocavities. <i>Polymer</i> , 2013 , 54, 6886-6893	3.9	27
95	Effect of Gold Nanoparticles on the Thermosensitivity, Morphology, and Optical Properties of Poly(acrylamide-acrylic acid) Microgels. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 54-8	4.8	27
94	Gas transport in fluorothiophenyl modified PVC membranes. <i>Journal of Membrane Science</i> , 2010 , 362, 164-171	9.6	27
93	An asparagine/tryptophan organogel showing a selective response towards fluoride anions. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8862		26
92	Directional Crystallization of 20 nm Width Polymer Nanorods by the Inducement of Heterogeneous Nuclei at Their Tips. <i>Macromolecules</i> , 2013 , 46, 7415-7422	5.5	25
91	Control of the migration behavior of slip agents in polyolefin-based films. <i>Polymer Engineering and Science</i> , 2011 , 51, 1763-1769	2.3	25
90	Structure and viscoelastic properties of hybrid ferrogels with iron oxide nanoparticles synthesized in situ. <i>Soft Matter</i> , 2010 , 6, 3910	3.6	25
89	Influence of tacticity on thermal degradation of PVC. V. Relation between the nature of labile conformations and the polyene distribution in the degraded polymer. <i>Journal of Applied Polymer Science</i> , 1983 , 28, 33-43	2.9	25
88	Polymerization kinetics of a fluorinated monomer under confinement in AAO nanocavities. <i>RSC Advances</i> , 2015 , 5, 19220-19228	3.7	24
87	Effect of Confinement on the Synthesis of PMMA in AAO Templates and Modeling of Free Radical Polymerization. <i>Macromolecules</i> , 2017 , 50, 811-821	5.5	23
86	Molecular Structures in Poly(vinyl chloride) Thermoreversible Gels: Effect of Tacticity and of Solvent Type. <i>Macromolecules</i> , 1997 , 30, 959-965	5.5	23
85	One-dimensional magnetopolymeric nanostructures with tailored sizes. <i>Nanotechnology</i> , 2008 , 19, 175394	3.4	23
84	Glass transition of ultra-thin films of modified PVC. <i>Polymer</i> , 2001 , 42, 6419-6423	3.9	23
83	Relaxations and Relaxor-Ferroelectric-Like Response of Nanotubularly Confined Poly(vinylidene fluoride). <i>Chemistry of Materials</i> , 2017 , 29, 3515-3525	9.6	22
82	A magnetopolymeric nanocomposite: Co ₈₀ Ni ₂₀ nanoparticles in a PVC matrix. <i>Nanotechnology</i> , 2005 , 16, S278-S281	3.4	22

81	Nucleophilic substitution on PVC effect of the tacticity. <i>Polymer Bulletin</i> , 1981 , 5, 407	2.4	22
80	How Gold Nanoparticles Influence Crystallization of Polyethylene in Rigid Cylindrical Nanopores. <i>Macromolecules</i> , 2013 , 46, 403-412	5.5	21
79	PVC modification with pyridine groups. Synthesis, characterization and transformation to ionomers. <i>Macromolecular Chemistry and Physics</i> , 1998 , 199, 2199-2204	2.6	21
78	Poly(vinyl alcohol)/poly(acrylic acid) interpenetrating networks. Study on phase separation and molecular motions. <i>Polymer</i> , 2005 , 46, 7066-7071	3.9	21
77	Molecular Structure by Neutron Scattering of Thermoreversible Gels from Chemically-Modified Poly(vinyl Chloride)s. <i>Macromolecules</i> , 1994 , 27, 7415-7422	5.5	20
76	Polyene sequence distribution in modified poly(vinyl chloride) after thermal degradation. <i>Die Makromolekulare Chemie</i> , 1984 , 185, 1277-1284		20
75	Quantitative Nanomechanical Properties of Multilayer Films Made of Polysaccharides through Spray Assisted Layer-by-Layer Assembly. <i>Biomacromolecules</i> , 2017 , 18, 169-177	6.9	19
74	Preparation and characterization of polyacrylic acid-poly(vinyl alcohol)-based interpenetrating hydrogels. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5789-5794	2.9	19
73	Controlled wet-chemical modification and bacterial adhesion on PVC-surfaces. <i>Polymer Degradation and Stability</i> , 2006 , 91, 1915-1918	4.7	19
72	Preparation and characterization of polystyrene-based magnetic nanocomposites. Thermal, mechanical and magnetic properties. <i>Polymer Engineering and Science</i> , 2001 , 41, 1845-1852	2.3	19
71	Influence of tacticity on the thermal degradation of PVC. VI. New advances in the degradation process through the behavior of modified PVC samples. <i>Journal of Applied Polymer Science</i> , 1984 , 29, 1735-1741	2.9	19
70	Click Crosslinked Chitosan/Gold Nanocomposite Hydrogels. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 1295-1300	3.9	19
69	Dynamic study of polystyrene-block-poly(4-vinylpyridine) copolymer in bulk and confined in cylindrical nanopores. <i>Polymer</i> , 2014 , 55, 4057-4066	3.9	18
68	Probing the presence and distribution of single-wall carbon nanotubes in polyvinylidene difluoride 1D nanocomposites by confocal Raman spectroscopy. <i>Chemical Physics Letters</i> , 2010 , 484, 290-294	2.5	18
67	Magnetic characterization of polyvinyl alcohol ferrogels and films. <i>Journal of Materials Research</i> , 2007 , 22, 2211-2216	2.5	18
66	Correlation between tacticity and thermal stability in comparison with other defect structures in PVC. <i>European Polymer Journal</i> , 1985 , 21, 387-391	5.2	18
65	Deswelling of Poly(N-isopropylacrylamide) Derived Hydrogels and Their Nanocomposites with Iron Oxide Nanoparticles As Revealed by X-ray Photon Correlation Spectroscopy. <i>Macromolecules</i> , 2015 , 48, 393-399	5.5	17
64	Non-covalently coated biopolymeric nanoparticles for improved tamoxifen delivery. <i>European Polymer Journal</i> , 2017 , 95, 348-357	5.2	17

63	Synthesis and characterization of poly(vinyl chloride)-containing amino groups. <i>Polymer</i> , 1997 , 38, 2291-2294	3.9	17
62	Stereoselective modification of poly(vinyl chloride) in a twin screw extruder. <i>Journal of Applied Polymer Science</i> , 1992 , 44, 2019-2027	2.9	17
61	A comprehensive approach to the stereochemical and physical factors in nucleophilic substitution on PVC in the melt. <i>Journal of Applied Polymer Science</i> , 1989 , 38, 1685-1698	2.9	17
60	Dependence of glass-transition temperature T _g on tacticity of poly(vinyl chloride). A preliminary study by differential scanning calorimetry. <i>Die Makromolekulare Chemie</i> , 1988 , 189, 567-572		17
59	Depth profiling of modified PVC surfaces using confocal Raman microspectroscopy. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 894-896	4.8	16
58	Thermo-responsive PNIPAm nanopillars displaying amplified responsiveness through the incorporation of nanoparticles. <i>Nanoscale</i> , 2018 , 10, 1189-1195	7.7	16
57	Slow dynamics of nanocomposite polymer aerogels as revealed by X-ray photocorrelation spectroscopy (XPCS). <i>Journal of Chemical Physics</i> , 2014 , 140, 024909	3.9	15
56	Fabrication and characterization of polymer-based magnetic composite nanotubes and nanorods. <i>European Polymer Journal</i> , 2012 , 48, 712-719	5.2	15
55	Configurational stereoselectivity in the nucleophilic substitution of poly(vinyl chloride) with sodium thiophenolate: NMR study and Monte-Carlo simulation of the reaction. <i>Journal of Polymer Science Part A</i> , 1986 , 24, 1753-1777	2.5	15
54	In vitro antiherpes effect of C-glycosyl flavonoid enriched fraction of <i>Cecropia glaziovii</i> encapsulated in PLGA nanoparticles. <i>Materials Science and Engineering C</i> , 2017 , 75, 1214-1220	8.3	14
53	New hydrogels based on the interpenetration of physical gels of agarose and chemical gels of polyacrylamide. <i>European Polymer Journal</i> , 2009 , 45, 932-939	5.2	14
52	Polysaccharide Coating of Gelatin Gels for Controlled BSA Release. <i>Polymers</i> , 2019 , 11,	4.5	13
51	Self-assembly of semicrystalline PE-b-PS diblock copolymers within AAO nanoporous templates. <i>Polymer</i> , 2015 , 70, 282-289	3.9	13
50	Tautomerizable styrenic copolymers confined in AAO templates. <i>Polymer</i> , 2013 , 54, 5050-5057	3.9	13
49	PVC containing hydroxyl groups: II. Characterization and properties of crosslinked polymers. <i>Polymer</i> , 1999 , 40, 3535-3543	3.9	13
48	Tautomerizable Eketonitrile copolymers for bone tissue engineering: Studies of biocompatibility and cytotoxicity. <i>Materials Science and Engineering C</i> , 2015 , 51, 256-62	8.3	12
47	Effect of Nanoconfinement on the Isodimorphic Crystallization of Poly(butylene succinate-ran-caprolactone) Random Copolymers. <i>Macromolecules</i> , 2020 , 53, 6486-6497	5.5	12
46	New Double-Infiltration Methodology to Prepare PCL-PS Core-Shell Nanocylinders Inside Anodic Aluminum Oxide Templates. <i>Langmuir</i> , 2016 , 32, 7860-5	4	11

45	How Confinement Affects the Nucleation, Crystallization, and Dielectric Relaxation of Poly(butylene succinate) and Poly(butylene adipate) Infiltrated within Nanoporous Alumina Templates. <i>Langmuir</i> , 2019 , 35, 15168-15179	4	11
44	Nanocomposite hydrogels based on embedded PLGA nanoparticles in gelatin. <i>Nanocomposites</i> , 2015 , 1, 46-50	3.4	11
43	Monitoring the Thermal Elimination of Infiltrated Polymer from AAO Templates: An Exhaustive Characterization after Polymer Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 10883-10888	3.9	11
42	Ordered arrays of magnetic polymer-based nanorods by template synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5898-902	1.3	11
41	Magnetic applications of polymer gels. <i>Macromolecular Symposia</i> , 2001 , 166, 173-178	0.8	10
40	Configurational and conformational control of chemical modification and thermal degradation of poly(vinyl chloride). <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1989 , 29, 185-196		10
39	Nanostructured fumarate copolymer-chitosan crosslinked scaffold: An in vitro osteochondrogenesis regeneration study. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 570-579	5.4	9
38	Tautomeric acetoacetate monomers as building units of functional copolymers. <i>European Polymer Journal</i> , 2014 , 59, 84-93	5.2	9
37	Confinement Induced First Order Crystallization Kinetics for the Poly(ethylene oxide) Block within A PEO-b-PB Diblock Copolymer Infiltrated within Alumina Nano-Porous Template. <i>Macromolecular Symposia</i> , 2014 , 337, 109-115	0.8	9
36	Depth profiling of polymer films by confocal Raman spectroscopy. <i>Macromolecular Symposia</i> , 2003 , 203, 147-154	0.8	9
35	PVC containing hydroxyl groups. <i>Polymer</i> , 1999 , 40, 3525-3534	3.9	9
34	Influence of the reaction medium and the reactant on the glass transition temperature of chemically modified poly(vinyl chloride). <i>Polymer</i> , 1994 , 35, 348-352	3.9	9
33	Confinement effects in the step-growth polymerization within AAO templates and modeling. <i>Polymer</i> , 2018 , 140, 131-139	3.9	8
32	Effect of polymer structure on the molecular dynamics and thermal behavior of poly(allyl acetoacetate) and copolymers. <i>Polymer</i> , 2014 , 55, 1040-1047	3.9	8
31	Manipulating Semicrystalline Polymers in Confinement. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 7723-7728	3.4	8
30	A novel organogelator incorporating tert-butyl esters of asparagines. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 364-9	3.9	8
29	New hydrogels from interpenetrated physical gels of agarose and chemical gels of polyacrylamide: Effect of relative concentration and crosslinking degree on the viscoelastic and thermal properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 2403-2412	2.6	8
28	Preparation and Characterization of Interpenetrating Polymer Hydrogels Based on Poly(acrylic acid) and Poly(vinyl alcohol). <i>Macromolecular Symposia</i> , 2005 , 222, 163-168	0.8	8

27	Study of the effect of poly(vinyl alcohol) concentration on the gelation point of poly(vinyl alcohol) poly(acrylic acid) semi-IPN systems as determined by viscoelastic measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 1944-1949	2.6	8
26	Light-Scattering Study of Thermoreversible Aggregates from Chemically Modified PVCs: Outcomes for the Gel State. <i>Macromolecules</i> , 2000 , 33, 2049-2054	5.5	8
25	Influence of the physical characteristics of the polymer on the glass transition of various chemically modified PVCs. <i>Journal of Polymer Science Part A</i> , 1995 , 33, 2941-2949	2.5	8
24	The application of spatially restricted geometries as a unique route to produce well-defined poly(vinyl pyrrolidones) via free radical polymerisation. <i>Chemical Communications</i> , 2019 , 55, 6441-6444	5.8	7
23	Arrays of Magnetic Ni Nanowires Grown Inside Polystyrene Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 13005-13008	3.9	7
22	Vinylchloride copolymers obtained by chemical modification of PVC. <i>Polymer International</i> , 1997 , 44, 1-10	3.3	7
21	New aminated PVC compounds: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 1178-1185	2.9	7
20	Synthesis of adjustable poly(vinyl chloride) networks. <i>Macromolecular Rapid Communications</i> , 1996 , 17, 15-23	4.8	7
19	Polyelectrolyte Multilayer Films Based on Natural Polymers: From Fundamentals to Bio-Applications. <i>Polymers</i> , 2021 , 13,	4.5	7
18	Inclusion of PLLA nanoparticles in thermosensitive semi-interpenetrating polymer networks. <i>Polymer Degradation and Stability</i> , 2014 , 108, 280-287	4.7	6
17	Crystallization and Stereocomplexation of PLA-mb-PBS Multi-Block Copolymers. <i>Polymers</i> , 2017 , 10,	4.5	5
16	Surface Modification of PVC Membranes Using Fluorothiophenol Compounds. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 1990-1998	2.6	5
15	Novel Hydrogels of Chitosan and Poly(vinyl alcohol) Reinforced with Inorganic Particles of Bioactive Glass. <i>Polymers</i> , 2021 , 13,	4.5	5
14	Swelling and viscoelastic properties of new magnesium acrylate hydrogels. <i>Polymer Engineering and Science</i> , 2009 , 49, 964-969	2.3	4
13	Surface selectivities in wet chemically modified PVC films. Influence of reaction conditions. <i>Langmuir</i> , 2005 , 21, 4425-30	4	4
12	A Patterned Butyl Methacrylate--2-Hydroxyethyl Acrylate Copolymer with Softening Surface and Swelling Capacity. <i>Polymers</i> , 2019 , 11,	4.5	3
11	A Way to Predict Gold Nanoparticles/Polymer Hybrid Microgel Agglomeration Based on Rheological Studies. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
10	Magnetite-poly(lactic-co-glycolic acid) hybrid particles: Preparation and viscoelastic properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 456, 108-113	5.1	3

9	Stereoselective nucleophilic substitution of poly(vinyl chloride) with sodium thiophenolate in cyclohexanone solution: Influence of the reaction temperature on the mechanism. <i>Journal of Polymer Science Part A</i> , 1992 , 30, 99-104	2.5	3
8	Reactivity Ratios and Surface Properties of Confined and Bulk ATRP Copolymerization of Butyl Methacrylate and 2-Hydroxyethyl Acrylate. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 640-650	4.3	3
7	Potential applications of poly(vinyl alcohol)-congo red aqueous solutions and hydrogels as liquids for hydraulic fracturing. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 695-700	2.9	2
6	In Situ Synthesis of Poly(butyl methacrylate) in Anodic Aluminum Oxide Nanoreactors by Radical Polymerization: A Comparative Kinetics Analysis by Differential Scanning Calorimetry and H-NMR. <i>Polymers</i> , 2021 , 13,	4.5	2
5	Preparation and characterization of nickel chelating functionalized poly (lactic-co-glycolic acid) microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 468, 122-128	5.1	1
4	Chitosan microgels obtained by on-chip crosslinking reaction employing a microfluidic device. <i>Optofluidics, Microfluidics and Nanofluidics</i> , 2014 , 1,		1
3	Gecko-like Branched Polymeric Nanostructures from Nanoporous Templates. <i>Langmuir</i> , 2018 , 34, 11449-11453	4.1	1
2	Free radical nanocopolymerization in AAO porous materials: Kinetic, copolymer composition and monomer reactivity ratios. <i>Polymer</i> , 2021 , 229, 123989	3.9	0
1	Role of the polymer microstructure in the thermoreversible gelation of poly(vinyl chloride). <i>Macromolecular Symposia</i> , 1997 , 114, 321-326	0.8	