

Marcel Popa

List of Publications by Year in descending order

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78
papers

1,618
citations

257450

24
h-index

330143

37
g-index

79
all docs

79
docs citations

79
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	Superabsorbant hydrogels based on xanthan and poly(vinyl alcohol). <i>European Polymer Journal</i> , 2002, 38, 2313-2320.	5.4	76
2	Aptamer-Functionalized Liposomes as a Potential Treatment for Basal Cell Carcinoma. <i>Polymers</i> , 2019, 11, 1515.	4.5	71
3	Trisodium trimetaphosphate crosslinked xanthan networks: synthesis, swelling, loading and releasing behaviour. <i>Polymer Bulletin</i> , 2009, 62, 525-538.	3.3	70
4	Drug Delivery System Based on pH-Sensitive Biocompatible Poly(2-vinyl pyridine)-b-poly(ethylene oxide) Nanomicelles Loaded with Curcumin and 5-Fluorouracil. <i>Polymers</i> , 2020, 12, 1450.	4.5	69
5	in vitro behaviour of aptamer-functionalized polymeric nanocapsules loaded with 5-fluorouracil for targeted therapy. <i>Materials Science and Engineering C</i> , 2019, 103, 109828.	7.3	63
6	Chitosan grafted-poly(ethylene glycol) methacrylate nanoparticles as carrier for controlled release of bevacizumab. <i>Materials Science and Engineering C</i> , 2019, 98, 843-860.	7.3	61
7	Topical formulations containing aptamer-functionalized nanocapsules loaded with 5-fluorouracil - An innovative concept for the skin cancer therapy. <i>Materials Science and Engineering C</i> , 2021, 119, 111591.	7.3	59
8	Synthesis and Antimicrobial Activity of Some New 1,3,4-Thiadiazole and 1,2,4-Triazole Compounds Having a D,L-Methionine Moiety. <i>Molecules</i> , 2007, 12, 103-113.	3.8	57
9	Synthesis and Biological Activity of Some New 1,3,4-Thiadiazole and 1,2,4-Triazole Compounds Containing a Phenylalanine Moiety. <i>Molecules</i> , 2009, 14, 2621-2631.	3.8	57
10	Curcumin-loaded polysaccharides-based complex particles obtained by polyelectrolyte complexation and ionic gelation. I-Particles obtaining and characterization. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 629-642.	7.5	57
11	Stimuli-Sensitive Xanthan Derivatives/N-Isopropylacrylamide Hydrogels: Influence of Cross-Linking Agent on Interpenetrating Polymer Network Properties. <i>Biomacromolecules</i> , 2009, 10, 1911-1922.	5.4	56
12	Modulated release from liposomes entrapped in chitosan/gelatin hydrogels. <i>Materials Science and Engineering C</i> , 2014, 43, 383-391.	7.3	51
13	Hydrogels Based on Carboxymethylcellulose and Gelatin for Inclusion and Release of Chloramphenicol. <i>Journal of Bioactive and Compatible Polymers</i> , 2009, 24, 525-545.	2.1	48
14	Covalent and ionic crosslinking: An original way to prepare chitosan-gelatin hydrogels for biomedical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 342-350.	4.0	43
15	Double crosslinked interpenetrated network in nanoparticle form for drug targeting: Preparation, characterization and biodistribution studies. <i>International Journal of Pharmaceutics</i> , 2012, 436, 66-74.	5.2	35
16	The Benefits of Smart Nanoparticles in Dental Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2585.	4.1	35
17	Double Cross-linked Chitosan-Gelatin Particulate Systems for Ophthalmic Applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 98-116.	2.1	34
18	Crosslinked hydrogels based on biological macromolecules with potential use in skin tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 174-181.	7.5	32

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19	Rheological study of in-situ crosslinkable hydrogels based on hyaluronan acid, collagen and sericin. <i>Materials Science and Engineering C</i> , 2016, 69, 388-397.	7.3	31
20	Formulations Based on Drug Loaded Aptamer-Conjugated Liposomes as a Viable Strategy for the Topical Treatment of Basal Cell Carcinoma—In Vitro Tests. <i>Pharmaceutics</i> , 2021, 13, 866.	4.5	31
21	Polysaccharide-Based Drug Delivery Systems for the Treatment of Periodontitis. <i>Molecules</i> , 2021, 26, 2735.	3.8	29
22	New hybrid magnetic nanoparticles based on chitosan-maltose derivative for antitumor drug delivery. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 561-572.	7.5	28
23	Surface characterization and drug release from porous microparticles based on methacrylic monomers and xanthan. <i>Carbohydrate Polymers</i> , 2015, 125, 323-333.	10.2	27
24	Polysaccharides-Based Complex Particles—Protective Role on the Stability and Bioactivity of Immobilized Curcumin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3075.	4.1	27
25	Stiffness xanthan hydrogels: synthesis, swelling characteristics and controlled release properties. <i>Polymer Bulletin</i> , 2008, 61, 631-641.	3.3	24
26	Original stimuli-sensitive polysaccharide derivatives/N-isopropylacrylamide hydrogels. Role of polysaccharide backbone. <i>Carbohydrate Polymers</i> , 2012, 89, 438-447.	10.2	24
27	Modern drug delivery systems for targeting the posterior segment of the eye. <i>Current Pharmaceutical Design</i> , 2015, 21, 6055-6069.	1.9	22
28	Polymers containing quaternary ammonium groups based on poly(N-vinylimidazole). <i>European Polymer Journal</i> , 2002, 38, 1501-1507.	5.4	20
29	Adsorption and release studies of new cephalosporin from chitosan-g-poly(glycidyl methacrylate) microparticles. <i>European Polymer Journal</i> , 2016, 82, 132-152.	5.4	20
30	Chitosan: poly(N-vinylpyrrolidone-alt-itaconic anhydride) nanocapsules—a promising alternative for the lung cancer treatment. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	18
31	Synthesis and Characterization of PSSA-Polyaniline Composite with an Enhanced Processability in Thin Films. <i>Open Chemistry</i> , 2014, 13, .	1.9	16
32	Complex microparticulate systems based on glycidyl methacrylate and xanthan. <i>Carbohydrate Polymers</i> , 2014, 104, 213-222.	10.2	15
33	Itaconic anhydride based amphiphilic copolymers: Synthesis, characterization and stabilization of carboxyl functionalized, PEGylated nanoparticles. <i>European Polymer Journal</i> , 2007, 43, 4843-4851.	5.4	14
34	Microparticulated systems based on chitosan and poly(vinyl alcohol) with potential ophthalmic applications. <i>Journal of Microencapsulation</i> , 2015, 32, 381-389.	2.8	14
35	Bupivacaine-loaded chitosan hydrogels for topical anesthesia in dentistry. <i>Polymer International</i> , 2020, 69, 1152-1160.	3.1	14
36	Hydrogel Films Based on Chitosan and Oxidized Carboxymethylcellulose Optimized for the Controlled Release of Curcumin with Applications in Treating Dermatological Conditions. <i>Molecules</i> , 2021, 26, 2185.	3.8	14

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37	Plasma-induced polymerization. <i>Polymer Bulletin</i> , 1982, 6, 415-419.	3.3	13
38	Double crosslinked chitosan and gelatin submicronic capsules entrapping aminoacid derivatives with potential antitumoral activity. <i>Journal of Materials Science</i> , 2012, 47, 8223-8233.	3.7	13
39	Synthesis and Antimicrobial Activity of New Derivatives of 1,3,4-Thiadiazoles and 1,2,4-Triazoles with 5-Nitroindazole as Support. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 366-372.	2.6	13
40	Yeast cells immobilized in spherical gellan particles cross-linked with magnesium acetate. <i>Journal of Biotechnology</i> , 2016, 236, 45-56.	3.8	13
41	Biomaterial properties evaluation of poly(vinyl acetate-alt-maleic anhydride)/chitosan nanocapsules. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	12
42	Polyglycolide-Based Porous Networks Containing Poly(ethylene glycol) Structures Prepared by Photoinitiated Thiol-Ene Coupling. <i>Biomacromolecules</i> , 2018, 19, 3331-3342.	5.4	12
43	Antitumoral Drug: Loaded Hybrid Nanocapsules Based on Chitosan with Potential Effects in Breast Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5659.	4.1	12
44	Biocomposite Hydrogels for the Treatment of Bacterial Infections: Physicochemical Characterization and In Vitro Assessment. <i>Pharmaceutics</i> , 2021, 13, 2079.	4.5	11
45	Encapsulation of <i>Saccharomyces cerevisiae</i> in hydrogel particles based gellan ionically cross-linked with zinc acetate. <i>Powder Technology</i> , 2018, 325, 476-489.	4.2	10
46	Thermosensitive Microparticles Based on Unsaturated Esters of some Poly- and Oligosaccharides: Preparation, Characterization, Drug Inclusion and Release. <i>Macromolecular Symposia</i> , 2010, 297, 114-125.	0.7	9
47	Effects and Characterization of Some Topical Ointments Based on Vegetal Extracts on Incision, Excision, and Thermal Wound Models. <i>Molecules</i> , 2020, 25, 5356.	3.8	9
48	Biocompatible and Biodegradable Chitosan / Clay Nanocomposites as New Carriers for Theophylline Controlled Release. <i>British Journal of Pharmaceutical Research</i> , 2015, 6, 228-254.	0.4	9
49	Physico-chemical characteristics and fermentative activity of the hydrogel particles based on polysaccharides mixture with yeast cells immobilized, obtained by ionotropic gelation. <i>Food and Bioproducts Processing</i> , 2017, 104, 104-123.	3.6	8
50	New Grafted Copolymers Carrying Betaine Units Based on Gellan and N-Vinylimidazole as Precursors for Design of Drug Delivery Systems. <i>Molecules</i> , 2020, 25, 5451.	3.8	8
51	Optimized Synthesis of New Thiosemicarbazide Derivatives with Tuberculostatic Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12139.	4.1	8
52	Sub-Micronic Capsules Based on Gelatin and Poly(maleic anhydride-alt-vinyl acetate) Obtained by Interfacial Condensation with Potential Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 3841-3850.	0.9	7
53	A new photoluminescent silica aerogel based on N-hydroxysuccinimide-Tb(III) complex. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 207-213.	2.4	7
54	Porous microparticles based on methacrylic copolymers and gellan as drug delivery systems. <i>Polymer International</i> , 2020, 69, 1066-1080.	3.1	7

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55	Interpenetrated Network-Type Hydrogels Based on Gellan and Poly(Vinyl Alcohol) for Inclusion and Release of Cephalexin. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004, 41, 727-739.	2.2	6
56	The Preparation, Characterization and Properties of Catalase Immobilized on Crosslinked Gellan. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 355-367.	2.2	6
57	Drug-Polymer Conjugates with Tuberculostatic Activity, Based on Poly (N-Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td <i>Technology and Engineering</i> , 2013, 52, 1213-1219.	1.9	6
58	Microencapsulation of Baker's Yeast in Gellan Gum Beads Used in Repeated Cycles of Glucose Fermentation. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-15.	2.7	6
59	A Theoretical Model for Release Dynamics of an Antifungal Agent Covalently Bonded to the Chitosan. <i>Molecules</i> , 2021, 26, 2089.	3.8	6
60	Influence of Charging Materials on the Rheological Behavior of High-Density Polyethylene Melts. <i>Polymer-Plastics Technology and Engineering</i> , 1999, 38, 659-673.	1.9	5
61	Sulfonic Derivatives of 2-Mercaptobenzoxazole and Its Conjugates with Poly(Maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50 <i>Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 268-276.	3.4	5
62	Polymer-Biologically Active Principle Conjugates Obtained by Esterification of Poly(Vinyl Alcohol). <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 481-486.	1.9	4
63	Review : Polymeric Biomaterials As Enzyme and Drug Carriers* Part V: Polymeric Matrices as Drug Delivery Systems. <i>Journal of Bioactive and Compatible Polymers</i> , 1990, 5, 89-127.	2.1	3
64	RHEOLOGICAL STUDY OF SOME MELTS OF HIGH-DENSITY POLYETHYLENE INTENSIVELY CHARGED WITH SURFACE-TREATED CaCO ₃ . I. THE VISCOUS COMPONENT. <i>Polymer-Plastics Technology and Engineering</i> , 2000, 39, 469-487.	1.9	3
65	Photoluminescent Polymer Composites Based on New Tb(III) and Eu(III): Maleimide Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 676-683.	3.7	3
66	Scaffolds Based on Collagen, Hyaluronan and Sericin with Potential Applications as Controlled Drug Delivery System. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1528-1533.	0.9	3
67	Evaluation of the Wound Healing Potential of Some Natural Polymers on Three Experimental Models. <i>Pharmaceuticals</i> , 2021, 14, 465.	3.8	3
68	INFLUENCE OF THE PROCESSING TEMPERATURE AND OF THE COMPATIBILIZING AGENT ON THE RHEOLOGICAL BEHAVIOR OF HIGH DENSITY POLYETHYLENE-BASED COMPOSITES CHARGED WITH CALCIUM CARBONATE. II. THE ELASTIC COMPONENT. <i>Polymer-Plastics Technology and Engineering</i> , 2002, 41, 877-915.	1.9	3
69	Assessment of Physicochemical and In Vivo Biological Properties of Polymeric Nanocapsules Based on Chitosan and Poly(N-vinyl pyrrolidone-alt-itaconic anhydride). <i>Polymers</i> , 2022, 14, 1811.	4.5	3
70	Influence of the processing temperature and of the compatibilizing agent on the rheological behavior of high-density polyethylene-based composites charged with calcium carbonate. I. Viscous component. <i>Polymer-Plastics Technology and Engineering</i> , 2001, 40, 653-687.	1.9	2
71	Diffusional System Based on Tolazoline Hydrochloride Included in a Reticulated Carboxymethylcellulose Hydrogel. <i>Polymer-Plastics Technology and Engineering</i> , 2006, 45, 23-28.	1.9	2
72	Photoluminescent red, green and blue monoliths of new Eu(III), Tb(III) and Y(III) complexes embedded in silica matrix. <i>Electronic Materials Letters</i> , 2014, 10, 827-835.	2.2	2

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73	Immobilization and Release Studies of Triazole Derivatives from Grafted Copolymer Based on Gellan-Carrying Betaine Units. <i>Molecules</i> , 2021, 26, 3330.	3.8	2
74	Yeast Cells Immobilized in Ionic Crosslinked Hydrogel Particles Based on Gellan and Gellan/Carboxymethyl Celluloseâ€”Comparative Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4827-4836.	0.9	1
75	Evaluation of the Healing Effect of Ointments Based on Bee Products on Cutaneous Lesions in Wistar Rats. <i>Pharmaceuticals</i> , 2021, 14, 1146.	3.8	1
76	Novel Supports Based on Polysaccharides for Sustainedâ€”Release of Isosorbide Dinitrate. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 483-488.	2.2	0
77	Cell populated hydrogels based on collagen and chitosan for soft tissue regeneration. , 2015, , .		0
78	A NEW APPROACH TO OBTAIN AEROGELS FOR GAS SAFETY APPLICATIONS. <i>Environmental Engineering and Management Journal</i> , 2019, 18, 1721-1726.	0.6	0