Vitaliy V Khutoryanskiy

List of Publications by Year
in descending order

199 papers	11,156 citations	41344 49 h-index	34986 98 g-index
228 all docs	228 docs citations	228 times ranked	13252 citing authors

#	Article	IF	Citations
1	Biomedical applications of hydrogels: A review of patents and commercial products. European Polymer Journal, 2015, 65, 252-267.	5.4	1,905
2	Why is Chitosan Mucoadhesive?. Biomacromolecules, 2008, 9, 1837-1842.	5.4	591
3	Microencapsulation of probiotics for gastrointestinal delivery. Journal of Controlled Release, 2012, 162, 56-67.	9.9	538
4	Chitosan and Its Derivatives for Application in Mucoadhesive Drug Delivery Systems. Polymers, 2018, 10, 267.	4.5	481
5	Advances in Mucoadhesion and Mucoadhesive Polymers. Macromolecular Bioscience, 2011, 11, 748-764.	4.1	463
6	Production and Evaluation of Dry Alginate-Chitosan Microcapsules as an Enteric Delivery Vehicle for Probiotic Bacteria. Biomacromolecules, 2011, 12, 2834-2840.	5.4	235
7	In situ gelling systems based on Pluronic F127/Pluronic F68 formulations for ocular drug delivery. International Journal of Pharmaceutics, 2016, 502, 70-79.	5.2	213
8	Exploring the Factors Affecting the Solubility of Chitosan in Water. Macromolecular Chemistry and Physics, 2010, 211, 426-433.	2.2	176
9	Hydrogen-bonded interpolymer complexes as materials for pharmaceutical applications. International Journal of Pharmaceutics, 2007, 334, 15-26.	5.2	152
10	Chitosan coated alginate beads for the survival of microencapsulated Lactobacillus plantarum in pomegranate juice. Carbohydrate Polymers, 2012, 90, 1281-1287.	10.2	147
11	Advances in ophthalmic drug delivery. Therapeutic Delivery, 2014, 5, 1297-1315.	2.2	141
12	Beyond PEGylation: Alternative surface-modification of nanoparticles with mucus-inert biomaterials. Advanced Drug Delivery Reviews, 2018, 124, 140-149.	13.7	137
13	Penetration Enhancers in Ocular Drug Delivery. Pharmaceutics, 2019, 11, 321.	4.5	135
14	pH Effects in the Complex Formation and Blending of Poly(acrylic acid) with Poly(ethylene oxide). Langmuir, 2004, 20, 3785-3790.	3.5	134
15	Cyclodextrin-Mediated Enhancement of Riboflavin Solubility and Corneal Permeability. Molecular Pharmaceutics, 2013, 10, 756-762.	4.6	120
16	Carbohydrate-Based Micelle Clusters Which Enhance Hydrophobic Drug Bioavailability by Up to 1 Order of Magnitude. Biomacromolecules, 2006, 7, 3452-3459.	5.4	115
17	Miscibility studies of the blends of chitosan with some cellulose ethers. Carbohydrate Polymers, 2006, 63, 238-244.	10.2	106
18	Designing Temperature-Responsive Biocompatible Copolymers and Hydrogels Based on 2-Hydroxyethyl(meth)acrylates. Biomacromolecules, 2008, 9, 3353-3361.	5.4	102

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19	On the Barrier Properties of the Cornea: A Microscopy Study of the Penetration of Fluorescently Labeled Nanoparticles, Polymers, and Sodium Fluorescein. Molecular Pharmaceutics, 2014, 11, 3556-3564.	4.6	102
20	Chitosan-based mucoadhesive tablets for oral delivery of ibuprofen. International Journal of Pharmaceutics, 2012, 436, 602-610.	5.2	97
21	Layer-by-layer coating of alginate matrices with chitosanâ€“alginate for the improved survival and targeted delivery of probiotic bacteria after oral administration. Journal of Materials Chemistry B, 2013, 1, 52-60.	5.8	96
22	Methacrylated chitosan as a polymer with enhanced mucoadhesive properties for transmucosal drug delivery. International Journal of Pharmaceutics, 2018, 550, 123-129.	5.2	93
23	Thiolated Mucoadhesive and PEGylated Nonmucoadhesive Organosilica Nanoparticles from 3-Mercaptopropyltrimethoxysilane. Langmuir, 2011, 27, 9551-9556.	3.5	89
24	Mucoadhesion: A food perspective. Food Hydrocolloids, 2017, 72, 281-296.	10.7	87
25	pH and salt effects on interpolymer complexation via hydrogen bonding in aqueous solutions. Polymer International, 2004, 53, 1382-1387.	3.1	86
26	On the Role of Specific Interactions in the Diffusion of Nanoparticles in Aqueous Polymer Solutions. Langmuir, 2014, 30, 308-317.	3.5	84
27	Influence of encapsulation and coating materials on the survival of Lactobacillus plantarum and Bifidobacterium longum in fruit juices. Food Research International, 2013, 53, 304-311.	6.2	82
28	Effect of acyl chain length on transfection efficiency and toxicity of polyethylenimine. International Journal of Pharmaceutics, 2009, 378, 201-210.	5.2	81
29	Stability of probiotic Lactobacillus plantarum in dry microcapsules under accelerated storage conditions. Food Research International, 2015, 74, 208-216.	6.2	80
30	Amphoteric nano-, micro-, and macrogels, membranes, and thin films. Soft Matter, 2012, 8, 9302.	2.7	77
31	Mucoadhesive interactions of amphiphilic cationic copolymers based on [2-(methacryloyloxy)ethyl]trimethylammonium chloride. International Journal of Pharmaceutics, 2007, 339, 25-32.	5.2	75
32	Microwaveâ€Assisted Hydrogel Synthesis: A New Method for Crosslinking Polymers in Aqueous Solutions. Macromolecular Rapid Communications, 2012, 33, 332-336.	3.9	70
33	Mucoadhesion and mucosa-mimetic materialsâ€"A mini-review. International Journal of Pharmaceutics, 2015, 495, 991-998.	5.2	67
34	Interpolymer Complexes of Water-Soluble Nonionic Polysaccharides with Polycarboxylic Acids and Their Applications. Macromolecular Bioscience, 2003, 3, 283-295.	4.1	65
35	POZylation: a new approach to enhance nanoparticle diffusion through mucosal barriers. Nanoscale, 2015, 7, 13671-13679.	5.6	64
36	Adhesion of thiolated silica nanoparticles to urinary bladder mucosa: Effects of PEGylation, thiol content and particle size. International Journal of Pharmaceutics, 2016, 512, 32-38.	5.2	64

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37	Progress and Current Trends in the Synthesis of Novel Polymers with Enhanced Mucoadhesive Properties. Macromolecular Bioscience, 2019, 19, e1900194.	4.1	62
38	Enzyme assisted extraction of chitin from shrimp shells (<i>Litopenaeus vannamei)</i>. Journal of Chemical Technology and Biotechnology, 2016, 91, 1250-1256.	3.2	61
39	Mucoadhesive maleimide-functionalised liposomes for drug delivery to urinary bladder. European Journal of Pharmaceutical Sciences, 2018, 111, 83-90.	4.0	61
40	Mucoadhesive and Elastic Films Based on Blends of Chitosan and Hydroxyethylcellulose. Macromolecular Bioscience, 2008, 8, 184-192.	4.1	59
41	Maleimide-bearing nanogels as novel mucoadhesive materials for drug delivery. Journal of Materials Chemistry B, 2016, 4, 6581-6587.	5.8	59
42	Enhanced viability of corneal epithelial cells for efficient transport/storage using a structurally modified calcium alginate hydrogel. Regenerative Medicine, 2012, 7, 295-307.	1.7	58
43	Side chain variations radically alter the diffusion of poly(2-alkyl-2-oxazoline) functionalised nanoparticles through a mucosal barrier. Biomaterials Science, 2016, 4, 1318-1327.	5.4	58
44	Advances in intravesical drug delivery systems to treat bladder cancer. International Journal of Pharmaceutics, 2017, 532, 105-117.	5.2	58
45	Enhancement in corneal permeability of riboflavin using calcium sequestering compounds. International Journal of Pharmaceutics, 2014, 472, 56-64.	5.2	55
46	Probing the Mucoadhesive Interactions Between Porcine Gastric Mucin and Some Waterâ€Soluble Polymers. Macromolecular Bioscience, 2015, 15, 1546-1553.	4.1	54
47	Oxidation-responsiveness of nanomaterials for targeting inflammatory reactions. Pure and Applied Chemistry, 2008, 80, 1703-1718.	1.9	52
48	Photochemical crossâ€linking of plastically compressed collagen gel produces an optimal scaffold for corneal tissue engineering. Journal of Biomedical Materials Research - Part A, 2011, 99A, 1-8.	4.0	52
49	Temperature-Responsive Water-Soluble Copolymers Based on 2-Hydroxyethyl Acrylate and Butyl Acrylate. Macromolecular Chemistry and Physics, 2007, 208, 979-987.	2.2	50
50	Microencapsulation of a synbiotic into PLGA/alginate multiparticulate gels. International Journal of Pharmaceutics, 2014, 466, 400-408.	5.2	50
51	Gellan gum and its methacrylated derivatives as in situ gelling mucoadhesive formulations of pilocarpine: In vitro and in vivo studies. International Journal of Pharmaceutics, 2020, 577, 119093.	5.2	50
52	Novel glycopolymer hydrogels as mucosa-mimetic materials to reduce animal testing. Chemical Communications, 2015, 51, 14447-14450.	4.1	49
53	Encapsulation of <i>Lactobacillus casei</i> into Calcium Pectinateâ€Chitosan Beads for Enteric Delivery. Journal of Food Science, 2017, 82, 2954-2959.	3.1	49
54	Synthesis of thiolated and acrylated nanoparticles using thiol-ene click chemistry: towards novel mucoadhesive materials for drug delivery. RSC Advances, 2013, 3, 12275.	3.6	48

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55	Investigation of milk proteins binding to the oral mucosa. Food and Function, 2013, 4, 1668.	4.6	48
56	Internal Nanoparticle Structure of Temperature-Responsive Self-Assembled PNIPAM-<i>b</i>-PEG-<i>b</i>-PNIPAM Triblock Copolymers in Aqueous Solutions: NMR, SANS, and Light Scattering Studies. Langmuir, 2016, 32, 5314-5323.	3.5	48
57	Maleimide-functionalised PLGA-PEG nanoparticles as mucoadhesive carriers for intravesical drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 143, 24-34.	4.3	48
58	Design of Mucoadhesive Polymeric Films Based on Blends of Poly(acrylic acid) and (Hydroxypropyl)cellulose. Biomacromolecules, 2006, 7, 1637-1643.	5.4	47
59	Hydrogenâ€Bonded Complexes and Blends of Poly(acrylic acid) and Methylcellulose: Nanoparticles and Mucoadhesive Films for Ocular Delivery of Riboflavin. Macromolecular Bioscience, 2014, 14, 225-234.	4.1	47
60	Crown Ethers: Novel Permeability Enhancers for Ocular Drug Delivery?. Molecular Pharmaceutics, 2017, 14, 3528-3538.	4.6	47
61	Mucoadhesive polysaccharides modulate sodium retention, release and taste perception. Food Chemistry, 2018, 240, 482-489.	8.2	44
62	Silica Nanoparticles in Transmucosal Drug Delivery. Pharmaceutics, 2020, 12, 751.	4.5	43
63	pH-effects in the complex formation of polymers I. Interaction of poly(acrylic acid) with poly(acrylamide). European Polymer Journal, 2003, 39, 1687-1691.	5.4	42
64	Chitosan/poly(2-ethyl-2-oxazoline) films for ocular drug delivery: Formulation, miscibility, in vitro and in vivo studies. European Polymer Journal, 2019, 116, 311-320.	5.4	41
65	Antimicrobial hydrogels based on autoclaved poly(vinyl alcohol) and poly(methyl vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.6	40
66	Synthesis and evaluation of mucoadhesive acryloyl-quaternized PDMAEMA nanogels for ocular drug delivery. Colloids and Surfaces B: Biointerfaces, 2017, 155, 538-543.	5.0	40
67	Acrylated EudragitÂ® E PO as a novel polymeric excipient with enhanced mucoadhesive properties for application in nasal drug delivery. International Journal of Pharmaceutics, 2019, 562, 241-248.	5.2	40
68	pH effects in the formation of interpolymer complexes between poly(N-vinylpyrrolidone) and poly(acrylic acid) in aqueous solutions. European Physical Journal E, 2003, 10, 65-68.	1.6	39
69	pH Effects on the Complexation, Miscibility and Radiation-Induced Crosslinking in Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.1	39
70	Characterisation of Blends Based on Hydroxyethylcellulose and Maleic Acid-alt-Methyl Vinyl Ether. Macromolecular Chemistry and Physics, 2005, 206, 1497-1510.	2.2	39
71	Developing synthetic mucosa-mimetic hydrogels to replace animal experimentation in characterisation of mucoadhesive drug delivery systems. Soft Matter, 2011, 7, 9620.	2.7	39
72	Longer and safer gastric residence. Nature Materials, 2015, 14, 963-964.	27.5	39

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73	Multilayered hydrogel coatings covalently-linked to glass surfaces showing a potential to mimic mucosal tissues. Soft Matter, 2010, 6, 551-557.	2.7	37
74	Synthesis and Evaluation of Boronated Chitosan as a Mucoadhesive Polymer for Intravesical Drug Delivery. Journal of Pharmaceutical Sciences, 2019, 108, 3046-3053.	3.3	36
75	Whey protein mouth drying influenced by thermal denaturation. Food Quality and Preference, 2017, 56, 233-240.	4.6	35
76	Effect of temperature on aggregation/dissociation behavior of interpolymer complexes stabilized by hydrogen bonds. Journal of Applied Polymer Science, 2004, 93, 1946-1950.	2.6	34
77	pH-Mediated Interactions between Poly(acrylic acid) and Methylcellulose in the Formation of Ultrathin Multilayered Hydrogels and Spherical Nanoparticles. Macromolecules, 2007, 40, 7707-7713.	4.8	34
78	A Laminated Polymer Film Formulation for Enteric Delivery of Live Vaccine and Probiotic Bacteria. Journal of Pharmaceutical Sciences, 2014, 103, 2022-2032.	3.3	34
79	Enteric coated spheres produced by extrusion/spheronization provide effective gastric protection and efficient release of live therapeutic bacteria. International Journal of Pharmaceutics, 2015, 493, 483-494.	5.2	34
80	Development of chitosan-coated agar-gelatin particles for probiotic delivery and targeted release in the gastrointestinal tract. Applied Microbiology and Biotechnology, 2020, 104, 5749-5757.	3.6	34
81	Phase behaviour of methylcellulose-poly(acrylic acid) blends and preparation of related hydrophilic films. Polymer International, 2003, 52, 62-67.	3.1	33
82	Hydrogen-Bonded Interpolymer Complexes. , 2009, , .		33
83	Hydrogen-Bonding-Driven Self-Assembly of PEGylated Organosilica Nanoparticles with Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlo 299-306.	3.5	33
84	Thermodynamic and kinetic properties of interpolymer complexes assessed by isothermal titration calorimetry and surface plasmon resonance. Soft Matter, 2014, 10, 8254-8260.	2.7	31
85	Morphological and thermal characterization of interpolymer complexes and blends based on poly(acrylic acid) and hydroxypropylcellulose. Polymer International, 2004, 53, 307-311.	3.1	30
86	Solvent Effects on the Formation of Nanoparticles and Multilayered Coatings Based on Hydrogen-Bonded Interpolymer Complexes of Poly(acrylic acid) with Homo- and Copolymers of <i>N</i>-Vinyl Pyrrolidone. Langmuir, 2008, 24, 13742-13747.	3.5	30
87	Indomethacin-containing interpolyelectrolyte complexes based on Eudragit Â® E PO/S 100 copolymers as a novel drug delivery system. International Journal of Pharmaceutics, 2017, 524, 121-133.	5.2	30
88	A mucosa-mimetic material for the mucoadhesion testing of thermogelling semi-solids. International Journal of Pharmaceutics, 2017, 528, 586-594.	5.2	30
89	Enhancement and inhibition effects on the corneal permeability of timolol maleate: Polymers, cyclodextrins and chelating agents. International Journal of Pharmaceutics, 2017, 529, 168-177.	5.2	30
90	Polysaccharide food matrices for controlling the release, retention and perception of flavours. Food Hydrocolloids, 2018, 79, 253-261.	10.7	29

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91	Thiolated Nanoparticles for Biomedical Applications: Mimicking the Workhorses of Our Body. Advanced Science, 2022, 9, e2102451.	11.2	29
92	Effect of copolymer composition on interpolymer complex formation of (co)poly(vinyl ether)s with poly(acrylic acid) in aqueous and organic solutions. Macromolecular Rapid Communications, 2000, 21, 381-384.	3.9	28
93	Interpolymer complexes of poly(vinyl ether) of ethylene glycol with poly(carboxylic acids) in aqueous, alcohol and mixed solutions. Polymer, 2000, 41, 7647-7651.	3.8	27
94	Interpolymer complexes of copolymers of vinyl ether of diethylene glycol with poly(acrylic acid). Colloid and Polymer Science, 2002, 280, 282-289.	2.1	27
95	Polycomplexes of poly(acrylic acid) with streptomycin sulfate and their antibacterial activity. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 57, 245-249.	4.3	27
96	Novel temperature-responsive water-soluble copolymers based on 2-hydroxyethylacrylate and vinyl butyl ether and their interactions with poly(carboxylic acids). Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 195-204.	2.1	27
97	Temperature-Responsive Properties and Drug Solubilization Capacity of Amphiphilic Copolymers Based on N-Vinylpyrrolidone and Vinyl Propyl Ether. Langmuir, 2010, 26, 7590-7597.	3.5	27
98	Formulation of CarbopolÂ®/Poly(2-ethyl-2-oxazoline)s Mucoadhesive Tablets for Buccal Delivery of Hydrocortisone. Polymers, 2018, 10, 175.	4.5	27
99	Layer-by-Layer Electrostatic Entrapment of Protein Molecules on Superparamagnetic Nanoparticle: A New Strategy to Enhance Adsorption Capacity and Maintain Biological Activity. Journal of Physical Chemistry C, 2009, 113, 15260-15265.	3.1	26
100	Rainfastness of Poly(vinyl alcohol) Deposits on <i>Vicia faba</i> Leaf Surfaces: From Laboratory-Scale Washing to Simulated Rain. ACS Applied Materials & Interfaces, 2016, 8, 14220-14230.	8.0	26
101	Intensifying chitin hydrolysis by adjunct treatments â€" an overview. Journal of Chemical Technology and Biotechnology, 2017, 92, 2787-2798.	3.2	26
102	Electrosprayed mucoadhesive alginate-chitosan microcapsules for gastrointestinal delivery of probiotics. International Journal of Pharmaceutics, 2021, 597, 120342.	5.2	26
103	Chitosan/Poly(2-ethyl-2-oxazoline) Films with Ciprofloxacin for Application in Vaginal Drug Delivery. Materials, 2020, 13, 1709.	2.9	25
104	Hollow capsules formed in a single stage via interfacial hydrogen-bonded complexation of methylcellulose with poly(acrylic acid) and tannic acid. European Polymer Journal, 2013, 49, 4249-4256.	5.4	24
105	Development of surfactant-coated alginate capsules containing Lactobacillus plantarum. Food Hydrocolloids, 2018, 82, 490-499.	10.7	24
106	Mucus-penetrating nanoparticles based on chitosan grafted with various non-ionic polymers: Synthesis, structural characterisation and diffusion studies. Journal of Colloid and Interface Science, 2022, 626, 251-264.	9.4	24
107	Interpolymer complexes of poly(acrylic acid) with poly(2-hydroxyethyl acrylate) in aqueous solutions. Colloid and Polymer Science, 2004, 283, 174-181.	2.1	23
108	Interpolymer complexes of poly(acrylic acid) nanogels with some non-ionic polymers in aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 236, 141-146.	4.7	23

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109	Poly(vinyl alcohol)â€“GantrezÂ® AN cryogels for wound care applications. RSC Advances, 2016, 6, 105487-105494.	3.6	23
110	Synthesis of thiolated, PEGylated and POZylated silica nanoparticles and evaluation of their retention on rat intestinal mucosa in vitro. European Journal of Pharmaceutical Sciences, 2018, 122, 230-238.	4.0	23
111	Chitosan/Î²-glycerophosphate in situ gelling mucoadhesive systems for intravesical delivery of mitomycin-C. International Journal of Pharmaceutics: X, 2019, 1, 100007.	1.6	23
112	Complex formation between poly(vinyl ether) of ethylene glycol and poly(acrylic acid) in aqueous and organic solutions. Macromolecular Chemistry and Physics, 1999, 200, 2136-2138.	2.2	22
113	Oral care product formulations, properties and challenges. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111567.	5.0	22
114	Polyelectrolyte complexes of soluble poly-2-[(methacryloyloxy)ethyl]trimethylammonium chloride and its hydrogels with poly(acrylic acid). European Polymer Journal, 2003, 39, 761-766.	5.4	21
115	Supramolecular Hybrid Structures and Gels from Hostâ€“Guest Interactions between Î±-Cyclodextrin and PEGylated Organosilica Nanoparticles. Langmuir, 2018, 34, 10591-10602.	3.5	20
116	Complex formation of methylcellulose with poly(acrylic acid). Polymer International, 2000, 49, 867-870.	3.1	19
117	Complex formation between poly(vinyl ether of diethyleneglycol) and polyacrylic acid. European Polymer Journal, 2001, 37, 1233-1237.	5.4	19
118	CLSM Method for the Dynamic Observation of pH Change within Polymer Matrices for Oral Delivery. Biomacromolecules, 2013, 14, 387-393.	5.4	19
119	Structure and characterisation of hydroxyethylcelluloseâ€“silica nanoparticles. RSC Advances, 2018, 8, 6471-6478.	3.6	19
120	Interpolymer complexes of carbopolÂ® 971 and poly(2-ethyl-2-oxazoline): Physicochemical studies of complexation and formulations for oral drug delivery. International Journal of Pharmaceutics, 2019, 558, 53-62.	5.2	19
121	Mucoadhesive and mucus-penetrating interpolyelectrolyte complexes for nose-to-brain drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 37, 102432.	3.3	19
122	A flow system for the on-line quantitative measurement of the retention of dosage forms on biological surfaces using spectroscopy and image analysis. International Journal of Pharmaceutics, 2012, 428, 96-102.	5.2	18
123	A Comparison of Thiolated and Disulfide-Crosslinked Polyethylenimine for Nonviral Gene Delivery. Macromolecular Bioscience, 2013, 13, 1163-1173.	4.1	18
124	Polymer structure and property effects on solid dispersions with haloperidol: Poly(N-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (	5.2	18
125	Interpolymer Complexes of EudragitÂ® Copolymers as Novel Carriers for Colon-Specific Drug Delivery. Polymers, 2020, 12, 1459.	4.5	18
126	Chitosan as a rainfastness adjuvant for agrochemicals. RSC Advances, 2016, 6, 102206-102213.	3.6	17

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127	Controlling the Size of Thiolated Organosilica Nanoparticles. Langmuir, 2018, 34, 8347-8354.	3.5	17
128	Development and optimization of solid lipid nanoparticles coated with chitosan and poly(2-ethyl-2-oxazoline) for ocular drug delivery of ciprofloxacin. Journal of Drug Delivery Science and Technology, 2022, 74, 103527.	3.0	17
129	Miscibility studies in poly(methyl vinyl ether)/hydroxypropylcellulose binary system in aqueous solutions and solid state. Carbohydrate Polymers, 2005, 62, 80-86.	10.2	16
130	Redox- and glucose-responsive hydrogels from poly(vinyl alcohol) and 4-mercaptophenylboronic acid. European Polymer Journal, 2015, 69, 132-139.	5.4	16
131	Synthesis and solution properties of a temperature-responsive PNIPAMâ€“b-PDMSâ€“b-PNIPAM triblock copolymer. Colloid and Polymer Science, 2017, 295, 1351-1358.	2.1	16
132	Modern Methods for Studying Polymer Complexes in Aqueous and Organic Solutions. Polymer Science - Series A, 2018, 60, 553-576.	1.0	16
133	Polymeric complexes of lidocaine hydrochloride with poly(acrylic acid) and poly(2-hydroxyethyl vinyl) Tj ETQq1 1 0.784314 rgBT /Overlo	3.5	15
134	PEGylated Systems in Pharmaceutics. Polymer Science - Series C, 2020, 62, 62-74.	1.7	15
135	Thiolated and PEGylated silica nanoparticle delivery to hair follicles. International Journal of Pharmaceutics, 2021, 593, 120130.	5.2	15
136	Delivery of Riboflavin-5â€²-Monophosphate Into the Cornea: Can Liposomes Provide Any Enhancement Effects?. Journal of Pharmaceutical Sciences, 2017, 106, 3041-3049.	3.3	14
137	Polyelectrolyte nanocontainers: Controlled binding and release of indomethacin. Journal of Molecular Liquids, 2018, 272, 982-989.	4.9	14
138	Radiation synthesis of temperature-responsive hydrogels by copolymerization of [2-(methacryloyloxy)ethyl]trimethylammonium chloride with N-isopropylacrylamide. Radiation Physics and Chemistry, 2002, 65, 67-70.	2.8	13
139	Complex formation of polyvinyl ether of diethylene glycol with polyacrylic acid II. Effect of molecular weight of polyacrylic acid and solvent nature. European Polymer Journal, 2002, 38, 313-316.	5.4	13
140	Temperature-responsive linear polyelectrolytes and hydrogels based on [2-(methacryloyloxy)ethyl] trimethylammonium chloride andN-isopropylacrylamide and their complex formation with potassium hexacyanoferrates (II, III). Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 515-522.	2.1	13
141	Radiation grafting from binary monomer mixtures. II. Vinyl ether of monoethanolamine and N-vinylpyrrolidone. Radiation Physics and Chemistry, 2003, 68, 793-798.	2.8	12
142	Evaluation of water properties in HEAâ€“HEMA hydrogels swollen in aqueous-PEG solutions using thermoanalytical techniques. Journal of Thermal Analysis and Calorimetry, 2015, 121, 335-345.	3.6	12
143	Aldehyde-functional thermoresponsive diblock copolymer worm gels exhibit strong mucoadhesion. Chemical Science, 2022, 13, 6888-6898.	7.4	12
144	Hydrophilic Films Based on Blends of Poly(acrylic acid) and Poly(2-hydroxyethyl vinyl ether): Thermal, Mechanical, and Morphological Characterization. Macromolecular Bioscience, 2003, 3, 117-122.	4.1	11

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145	Interactions of linear and cross-linked polyacrylic acid with polyvinyl ether of ethyleneglycol in some aliphatic alcohols. Polymer Bulletin, 2000, 44, 563-568.	3.3	10
146	Radiation grafting of vinyl ether of monoethanolamine on polypropylene films for application in waste water treatmentElectronic supplementary information (ESI) available: figures showing the dependence of the extent of grafting and water uptake on hexane content in the feed mixture at different absorbed doses. See http://www.rsc.org/suppdata/jm/b2/b202689a/. Journal of Materials Chemistry, 2002, 12, 2692-2695.	6.7	10
147	Radiation grafting of vinyl ether of monoethanolamine on polyethylene films. Radiation Physics and Chemistry, 2002, 65, 249-254.	2.8	10
148	Interpolymer complexes of hydroxypropylmethylcellulose with polycarboxylic acids in aqueous solutions. Polymer International, 2006, 55, 668-674.	3.1	10
149	Poly(2â€ethylâ€2â€oxazoline) grafted gellan gum for potential application in transmucosal drug delivery. Polymers for Advanced Technologies, 2021, 32, 2770-2780.	3.2	10
150	Synthesis and Evaluation of Methacrylated Poly(2-ethyl-2-oxazoline) as a Mucoadhesive Polymer for Nasal Drug Delivery. ACS Applied Polymer Materials, 2021, 3, 5882-5892.	4.4	10
151	Radiation Synthesis of Linear and Crosslinked Poly[2-(methacryloyloxy)ethyl]trimethylammonium Chloride and Complex Formation with Potassium Hexacyanoferrates (II, III) in Aqueous Solutions. Macromolecular Chemistry and Physics, 2001, 202, 1089-1093.	2.2	9
152	Radiation synthesis of hydrogels based on copolymers of vinyl ethers of monoethanolamine and ethyleneglycol and their interaction with poly(acrylic acid). Radiation Physics and Chemistry, 2003, 67, 745-749.	2.8	9
153	Micelles of PAAm-b-PEO-b-PAAm Triblock Copolymers and Their Binding with Prednisolon. Molecular Crystals and Liquid Crystals, 2011, 536, 148/[380]-159/[391].	0.9	9
154	Hydrogels based on copolymers of 2â€hydroxyethylmethacrylate and 2â€hydroxyethylacrylate as a delivery system for proteins: Interactions with lysozyme. Journal of Applied Polymer Science, 2017, 134, .	2.6	9
155	Investigation of the Thermogelation of a Promising Biocompatible ABC Triblock Terpolymer and Its Comparison with Pluronic F127. Macromolecules, 2022, 55, 1783-1799.	4.8	9
156	Polyaphron Formulations Stabilised with Different Water-Soluble Polymers for Ocular Drug Delivery. Pharmaceutics, 2022, 14, 926.	4.5	9
157	Synthesis of cationic water-soluble copolymers and hydrogels based on [2-(methacryloyloxy)ethyl]trimethylammonium chloride and 2-hydroxyethylacrylate and their complex formation with poly(acrylic acid). Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 845-853.	2.1	8
158	Development of an immobilization system for in situ micronutrients release. Food Research International, 2016, 90, 121-132.	6.2	8
159	Mucus penetrating properties of soft, distensible lipid nanocapsules. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 139, 76-84.	4.3	8
160	Conjugation of haloperidol to PEG allows peripheral localisation of haloperidol and eliminates CNS extrapyramidal effects. Journal of Controlled Release, 2020, 322, 227-235.	9.9	8
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