

Vitaliy V Khutoryanskiy

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216
papers

8,299
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43
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228
ext. papers

9,611
ext. citations

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avg, IF

6.92
L-index

#	Paper	IF	Citations
216	Biomedical applications of hydrogels: A review of patents and commercial products. <i>European Polymer Journal</i> , 2015 , 65, 252-267	5.2	1422
215	Why is chitosan mucoadhesive?. <i>Biomacromolecules</i> , 2008 , 9, 1837-42	6.9	478
214	Microencapsulation of probiotics for gastrointestinal delivery. <i>Journal of Controlled Release</i> , 2012 , 162, 56-67	11.7	434
213	Advances in mucoadhesion and mucoadhesive polymers. <i>Macromolecular Bioscience</i> , 2011 , 11, 748-64	5.5	367
212	Chitosan and Its Derivatives for Application in Mucoadhesive Drug Delivery Systems. <i>Polymers</i> , 2018 , 10,	4.5	266
211	Production and evaluation of dry alginate-chitosan microcapsules as an enteric delivery vehicle for probiotic bacteria. <i>Biomacromolecules</i> , 2011 , 12, 2834-40	6.9	189
210	In situ gelling systems based on Pluronic F127/Pluronic F68 formulations for ocular drug delivery. <i>International Journal of Pharmaceutics</i> , 2016 , 502, 70-9	6.5	149
209	Hydrogen-bonded interpolymer complexes as materials for pharmaceutical applications. <i>International Journal of Pharmaceutics</i> , 2007 , 334, 15-26	6.5	133
208	Exploring the Factors Affecting the Solubility of Chitosan in Water. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 426-433	2.6	131
207	PH effects in the complex formation and blending of poly(acrylic acid) with poly(ethylene oxide). <i>Langmuir</i> , 2004 , 20, 3785-90	4	120
206	Chitosan coated alginate beads for the survival of microencapsulated <i>Lactobacillus plantarum</i> in pomegranate juice. <i>Carbohydrate Polymers</i> , 2012 , 90, 1281-7	10.3	117
205	Advances in ophthalmic drug delivery. <i>Therapeutic Delivery</i> , 2014 , 5, 1297-315	3.8	104
204	Carbohydrate-based micelle clusters which enhance hydrophobic drug bioavailability by up to 1 order of magnitude. <i>Biomacromolecules</i> , 2006 , 7, 3452-9	6.9	104
203	Cyclodextrin-mediated enhancement of riboflavin solubility and corneal permeability. <i>Molecular Pharmaceutics</i> , 2013 , 10, 756-62	5.6	100
202	Beyond PEGylation: Alternative surface-modification of nanoparticles with mucus-inert biomaterials. <i>Advanced Drug Delivery Reviews</i> , 2018 , 124, 140-149	18.5	89
201	Miscibility studies of the blends of chitosan with some cellulose ethers. <i>Carbohydrate Polymers</i> , 2006 , 63, 238-244	10.3	83
200	Designing temperature-responsive biocompatible copolymers and hydrogels based on 2-hydroxyethyl(meth)acrylates. <i>Biomacromolecules</i> , 2008 , 9, 3353-61	6.9	82

199	Chitosan-based mucoadhesive tablets for oral delivery of ibuprofen. <i>International Journal of Pharmaceutics</i> , 2012 , 436, 602-10	6.5	81
198	pH and salt effects on interpolymer complexation via hydrogen bonding in aqueous solutions. <i>Polymer International</i> , 2004 , 53, 1382-1387	3.3	78
197	Thiolated mucoadhesive and PEGylated nonmucoadhesive organosilica nanoparticles from 3-mercaptopropyltrimethoxysilane. <i>Langmuir</i> , 2011 , 27, 9551-6	4	77
196	On the barrier properties of the cornea: a microscopy study of the penetration of fluorescently labeled nanoparticles, polymers, and sodium fluorescein. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3556-64	5.6	74
195	Layer-by-layer coating of alginate matrices with chitosan-alginate for the improved survival and targeted delivery of probiotic bacteria after oral administration. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 52-60	7.3	73
194	Amphoteric nano-, micro-, and macrogels, membranes, and thin films. <i>Soft Matter</i> , 2012 , 8, 9302	3.6	73
193	Effect of acyl chain length on transfection efficiency and toxicity of polyethylenimine. <i>International Journal of Pharmaceutics</i> , 2009 , 378, 201-10	6.5	73
192	Influence of encapsulation and coating materials on the survival of <i>Lactobacillus plantarum</i> and <i>Bifidobacterium longum</i> in fruit juices. <i>Food Research International</i> , 2013 , 53, 304-311	7	68
191	Penetration Enhancers in Ocular Drug Delivery. <i>Pharmaceutics</i> , 2019 , 11,	6.4	66
190	Mucoadhesion: A food perspective. <i>Food Hydrocolloids</i> , 2017 , 72, 281-296	10.6	63
189	On the role of specific interactions in the diffusion of nanoparticles in aqueous polymer solutions. <i>Langmuir</i> , 2014 , 30, 308-17	4	63
188	Mucoadhesive interactions of amphiphilic cationic copolymers based on [2-(methacryloyloxy)ethyl]trimethylammonium chloride. <i>International Journal of Pharmaceutics</i> , 2007 , 339, 25-32	6.5	62
187	Interpolymer Complexes of Water-Soluble Nonionic Polysaccharides with Polycarboxylic Acids and Their Applications. <i>Macromolecular Bioscience</i> , 2003 , 3, 283-295	5.5	58
186	Microwave-assisted hydrogel synthesis: a new method for crosslinking polymers in aqueous solutions. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 332-6	4.8	57
185	Mucoadhesive and elastic films based on blends of chitosan and hydroxyethylcellulose. <i>Macromolecular Bioscience</i> , 2008 , 8, 184-92	5.5	54
184	POZylation: a new approach to enhance nanoparticle diffusion through mucosal barriers. <i>Nanoscale</i> , 2015 , 7, 13671-9	7.7	52
183	Enhanced viability of corneal epithelial cells for efficient transport/storage using a structurally modified calcium alginate hydrogel. <i>Regenerative Medicine</i> , 2012 , 7, 295-307	2.5	52
182	Oxidation-responsiveness of nanomaterials for targeting inflammatory reactions. <i>Pure and Applied Chemistry</i> , 2008 , 80, 1703-1718	2.1	49

181	Adhesion of thiolated silica nanoparticles to urinary bladder mucosa: Effects of PEGylation, thiol content and particle size. <i>International Journal of Pharmaceutics</i> , 2016 , 512, 32-38	6.5	47
180	Stability of probiotic <i>Lactobacillus plantarum</i> in dry microcapsules under accelerated storage conditions. <i>Food Research International</i> , 2015 , 74, 208-216	7	46
179	Mucoadhesion and mucosa-mimetic materials--A mini-review. <i>International Journal of Pharmaceutics</i> , 2015 , 495, 991-8	6.5	46
178	Side chain variations radically alter the diffusion of poly(2-alkyl-2-oxazoline) functionalised nanoparticles through a mucosal barrier. <i>Biomaterials Science</i> , 2016 , 4, 1318-27	7.4	46
177	Photochemical cross-linking of plastically compressed collagen gel produces an optimal scaffold for corneal tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 99, 1-8	5.4	46
176	Methacrylated chitosan as a polymer with enhanced mucoadhesive properties for transmucosal drug delivery. <i>International Journal of Pharmaceutics</i> , 2018 , 550, 123-129	6.5	44
175	Enhancement in corneal permeability of riboflavin using calcium sequestering compounds. <i>International Journal of Pharmaceutics</i> , 2014 , 472, 56-64	6.5	44
174	Temperature-Responsive Water-Soluble Copolymers Based on 2-Hydroxyethyl Acrylate and Butyl Acrylate. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 979-987	2.6	44
173	Synthesis of thiolated and acrylated nanoparticles using thiol-ene click chemistry: towards novel mucoadhesive materials for drug delivery. <i>RSC Advances</i> , 2013 , 3, 12275	3.7	43
172	Design of mucoadhesive polymeric films based on blends of poly(acrylic acid) and (hydroxypropyl)cellulose. <i>Biomacromolecules</i> , 2006 , 7, 1637-43	6.9	43
171	Mucoadhesive maleimide-functionalised liposomes for drug delivery to urinary bladder. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 111, 83-90	5.1	41
170	Internal Nanoparticle Structure of Temperature-Responsive Self-Assembled PNIPAM-b-PEG-b-PNIPAM Triblock Copolymers in Aqueous Solutions: NMR, SANS, and Light Scattering Studies. <i>Langmuir</i> , 2016 , 32, 5314-23	4	41
169	Investigation of milk proteins binding to the oral mucosa. <i>Food and Function</i> , 2013 , 4, 1668-74	6.1	40
168	Hydrogen-bonded complexes and blends of poly(acrylic acid) and methylcellulose: nanoparticles and mucoadhesive films for ocular delivery of riboflavin. <i>Macromolecular Bioscience</i> , 2014 , 14, 225-34	5.5	39
167	pH-effects in the complex formation of polymers I. Interaction of poly(acrylic acid) with poly(acrylamide). <i>European Polymer Journal</i> , 2003 , 39, 1687-1691	5.2	38
166	Maleimide-bearing nanogels as novel mucoadhesive materials for drug delivery. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 6581-6587	7.3	38
165	Advances in intravesical drug delivery systems to treat bladder cancer. <i>International Journal of Pharmaceutics</i> , 2017 , 532, 105-117	6.5	37
164	Enzyme assisted extraction of chitin from shrimp shells (<i>Litopenaeus vannamei</i>). <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1250-1256	3.5	37

163	pH effects on the complexation, miscibility and radiation-induced crosslinking in poly(acrylic acid)-poly(vinyl alcohol) blends. <i>Macromolecular Bioscience</i> , 2005 , 5, 424-32	5.5	36
162	Probing the Mucoadhesive Interactions Between Porcine Gastric Mucin and Some Water-Soluble Polymers. <i>Macromolecular Bioscience</i> , 2015 , 15, 1546-53	5.5	35
161	Novel glycopolymer hydrogels as mucosa-mimetic materials to reduce animal testing. <i>Chemical Communications</i> , 2015 , 51, 14447-50	5.8	34
160	Microencapsulation of a synbiotic into PLGA/alginate multiparticulate gels. <i>International Journal of Pharmaceutics</i> , 2014 , 466, 400-8	6.5	34
159	Supramolecular materials: Longer and safer gastric residence. <i>Nature Materials</i> , 2015 , 14, 963-4	27	33
158	Crown Ethers: Novel Permeability Enhancers for Ocular Drug Delivery?. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3528-3538	5.6	33
157	Effect of temperature on aggregation/dissociation behavior of interpolymer complexes stabilized by hydrogen bonds. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 1946-1950	2.9	33
156	pH effects in the formation of interpolymer complexes between poly(N-vinylpyrrolidone) and poly(acrylic acid) in aqueous solutions. <i>European Physical Journal E</i> , 2003 , 10, 65-8	1.5	32
155	Characterisation of Blends Based on Hydroxyethylcellulose and Maleic Acid-alt-Methyl Vinyl Ether. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 1497-1510	2.6	32
154	Synthesis and evaluation of mucoadhesive acryloyl-quaternized PDMAEMA nanogels for ocular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 155, 538-543	6	31
153	Progress and Current Trends in the Synthesis of Novel Polymers with Enhanced Mucoadhesive Properties. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900194	5.5	31
152	Hydrogen-bonding-driven self-assembly of PEGylated organosilica nanoparticles with poly(acrylic acid) in aqueous solutions and in layer-by-layer deposition at solid surfaces. <i>Langmuir</i> , 2012 , 28, 299-306 ⁴		31
151	Maleimide-functionalised PLGA-PEG nanoparticles as mucoadhesive carriers for intravesical drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 143, 24-34	5.7	30
150	Multilayered hydrogel coatings covalently-linked to glass surfaces showing a potential to mimic mucosal tissues. <i>Soft Matter</i> , 2010 , 6, 551-557	3.6	30
149	pH-Mediated Interactions between Poly(acrylic acid) and Methylcellulose in the Formation of Ultrathin Multilayered Hydrogels and Spherical Nanoparticles. <i>Macromolecules</i> , 2007 , 40, 7707-7713	5.5	30
148	Morphological and thermal characterization of interpolymer complexes and blends based on poly(acrylic acid) and hydroxypropylcellulose. <i>Polymer International</i> , 2004 , 53, 307-311	3.3	30
147	Antimicrobial hydrogels based on autoclaved poly(vinyl alcohol) and poly(methyl vinyl ether-alt-maleic anhydride) mixtures for wound care applications. <i>RSC Advances</i> , 2016 , 6, 55211-55219	3.7	29
146	Developing synthetic mucosa-mimetic hydrogels to replace animal experimentation in characterisation of mucoadhesive drug delivery systems. <i>Soft Matter</i> , 2011 , 7, 9620	3.6	29

145	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 N-vinyl pyrrolidone. <i>Langmuir</i> , 2008 , 24, 13742-7	4	29
144	A laminated polymer film formulation for enteric delivery of live vaccine and probiotic bacteria. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2022-2032	3.9	28
143	Hydrogen-Bonded Interpolymer Complexes 2009 ,		28
142	Mucoadhesive polysaccharides modulate sodium retention, release and taste perception. <i>Food Chemistry</i> , 2018 , 240, 482-489	8.5	28
141	Acrylated Eudragit [®] E PO as a novel polymeric excipient with enhanced mucoadhesive properties for application in nasal drug delivery. <i>International Journal of Pharmaceutics</i> , 2019 , 562, 241-248	6.5	27
140	Chitosan/poly(2-ethyl-2-oxazoline) films for ocular drug delivery: Formulation, miscibility, in vitro and in vivo studies. <i>European Polymer Journal</i> , 2019 , 116, 311-320	5.2	27
139	Enteric coated spheres produced by extrusion/spheronization provide effective gastric protection and efficient release of live therapeutic bacteria. <i>International Journal of Pharmaceutics</i> , 2015 , 493, 483-494	6.5	27
138	Encapsulation of Lactobacillus casei into Calcium Pectinate-Chitosan Beads for Enteric Delivery. <i>Journal of Food Science</i> , 2017 , 82, 2954-2959	3.4	27
137	Novel temperature-responsive water-soluble copolymers based on 2-hydroxyethylacrylate and vinyl butyl ether and their interactions with poly(carboxylic acids). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 195-204	2.6	27
136	Whey protein mouth drying influenced by thermal denaturation. <i>Food Quality and Preference</i> , 2017 , 56, 233-240	5.8	26
135	Indomethacin-containing interpolyelectrolyte complexes based on Eudragit E PO/S 100 copolymers as a novel drug delivery system. <i>International Journal of Pharmaceutics</i> , 2017 , 524, 121-133	6.5	26
134	Effect of copolymer composition on interpolymer complex formation of (co)poly(vinyl ether)s with poly(acrylic acid) in aqueous and organic solutions. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 381-384	4.8	26
133	Thermodynamic and kinetic properties of interpolymer complexes assessed by isothermal titration calorimetry and surface plasmon resonance. <i>Soft Matter</i> , 2014 , 10, 8254-60	3.6	25
132	Interpolymer complexes of copolymers of vinyl ether of diethylene glycol with poly(acrylic acid). <i>Colloid and Polymer Science</i> , 2002 , 280, 282-289	2.4	25
131	Phase behaviour of methylcellulose/poly(acrylic acid) blends and preparation of related hydrophilic films. <i>Polymer International</i> , 2003 , 52, 62-67	3.3	25
130	Gellan gum and its methacrylated derivatives as in situ gelling mucoadhesive formulations of pilocarpine: In vitro and in vivo studies. <i>International Journal of Pharmaceutics</i> , 2020 , 577, 119093	6.5	24
129	Enhancement and inhibition effects on the corneal permeability of timolol maleate: Polymers, cyclodextrins and chelating agents. <i>International Journal of Pharmaceutics</i> , 2017 , 529, 168-177	6.5	23
128	Layer-by-Layer Electrostatic Entrapment of Protein Molecules on Superparamagnetic Nanoparticle: A New Strategy to Enhance Adsorption Capacity and Maintain Biological Activity. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15260-15265	3.8	23

127	Interpolymer complexes of poly(vinyl ether) of ethylene glycol with poly(carboxylic acids) in aqueous, alcohol and mixed solutions. <i>Polymer</i> , 2000 , 41, 7647-7651	3.9	23
126	Hollow capsules formed in a single stage via interfacial hydrogen-bonded complexation of methylcellulose with poly(acrylic acid) and tannic acid. <i>European Polymer Journal</i> , 2013 , 49, 4249-4256	5.2	22
125	Temperature-responsive properties and drug solubilization capacity of amphiphilic copolymers based on N-vinylpyrrolidone and vinyl propyl ether. <i>Langmuir</i> , 2010 , 26, 7590-7	4	22
124	Polycomplexes of poly(acrylic acid) with streptomycin sulfate and their antibacterial activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004 , 57, 245-9	5.7	21
123	A mucosa-mimetic material for the mucoadhesion testing of thermogelling semi-solids. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 586-594	6.5	19
122	Complex formation between poly(vinyl ether) of ethylene glycol and poly(acrylic acid) in aqueous and organic solutions. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 2136-2138	2.6	19
121	Poly(vinyl alcohol)Gantrez [®] AN cryogels for wound care applications. <i>RSC Advances</i> , 2016 , 6, 105487-105494	5.4	18
120	Polyelectrolyte complexes of soluble poly-2-[(methacryloyloxy)ethyl]trimethylammonium chloride and its hydrogels with poly(acrylic acid). <i>European Polymer Journal</i> , 2003 , 39, 761-766	5.2	18
119	Synthesis of thiolated, PEGylated and POZylated silica nanoparticles and evaluation of their retention on rat intestinal mucosa in vitro. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 122, 230-238	5.1	17
118	A comparison of thiolated and disulfide-crosslinked polyethylenimine for nonviral gene delivery. <i>Macromolecular Bioscience</i> , 2013 , 13, 1163-73	5.5	17
117	CLSM method for the dynamic observation of pH change within polymer matrices for oral delivery. <i>Biomacromolecules</i> , 2013 , 14, 387-93	6.9	17
116	Interpolymer complexes of poly(acrylic acid) with poly(2-hydroxyethyl acrylate) in aqueous solutions. <i>Colloid and Polymer Science</i> , 2004 , 283, 174-181	2.4	17
115	Interpolymer complexes of poly(acrylic acid) nanogels with some non-ionic polymers in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 236, 141-146	5.1	17
114	Silica Nanoparticles in Transmucosal Drug Delivery. <i>Pharmaceutics</i> , 2020 , 12,	6.4	17
113	Intensifying chitin hydrolysis by adjunct treatments: An overview. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 2787-2798	3.5	16
112	Complex formation between poly(vinyl ether of diethyleneglycol) and polyacrylic acid. <i>European Polymer Journal</i> , 2001 , 37, 1233-1237	5.2	16
111	Interpolymer complexes of carbopol [®] 971 and poly(2-ethyl-2-oxazoline): Physicochemical studies of complexation and formulations for oral drug delivery. <i>International Journal of Pharmaceutics</i> , 2019 , 558, 53-62	6.5	16
110	Synthesis and solution properties of a temperature-responsive PNIPAM ^b -PDMS ^b -PNIPAM triblock copolymer. <i>Colloid and Polymer Science</i> , 2017 , 295, 1351-1358	2.4	15

109	Development of chitosan-coated agar-gelatin particles for probiotic delivery and targeted release in the gastrointestinal tract. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 5749-5757	5.7	15
108	Formulation of Carbopol/Poly(2-ethyl-2-oxazoline)s Mucoadhesive Tablets for Buccal Delivery of Hydrocortisone. <i>Polymers</i> , 2018 , 10,	4.5	15
107	Synthesis and Evaluation of Boronated Chitosan as a Mucoadhesive Polymer for Intravesical Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 3046-3053	3.9	15
106	Polymeric complexes of lidocaine hydrochloride with poly(acrylic acid) and poly(2-hydroxyethyl vinyl ether). <i>Journal of Biomaterials Science, Polymer Edition</i> , 2002 , 13, 759-68	3.5	15
105	Complex formation of methylcellulose with poly(acrylic acid). <i>Polymer International</i> , 2000 , 49, 867-870	3.3	15
104	Rainfastness of Poly(vinyl alcohol) Deposits on <i>Vicia faba</i> Leaf Surfaces: From Laboratory-Scale Washing to Simulated Rain. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14220-30	9.5	15
103	Chitosan/Poly(2-ethyl-2-oxazoline) Films with Ciprofloxacin for Application in Vaginal Drug Delivery. <i>Materials</i> , 2020 , 13,	3.5	15
102	Redox- and glucose-responsive hydrogels from poly(vinyl alcohol) and 4-mercaptophenylboronic acid. <i>European Polymer Journal</i> , 2015 , 69, 132-139	5.2	14
101	Polysaccharide food matrices for controlling the release, retention and perception of flavours. <i>Food Hydrocolloids</i> , 2018 , 79, 253-261	10.6	14
100	Supramolecular Hybrid Structures and Gels from Host-Guest Interactions between β -Cyclodextrin and PEGylated Organosilica Nanoparticles. <i>Langmuir</i> , 2018 , 34, 10591-10602	4	14
99	A flow system for the on-line quantitative measurement of the retention of dosage forms on biological surfaces using spectroscopy and image analysis. <i>International Journal of Pharmaceutics</i> , 2012 , 428, 96-102	6.5	14
98	Structure and characterisation of hydroxyethylcellulose-silica nanoparticles.. <i>RSC Advances</i> , 2018 , 8, 64713-647813	3.5	13
97	Development of surfactant-coated alginate capsules containing <i>Lactobacillus plantarum</i> . <i>Food Hydrocolloids</i> , 2018 , 82, 490-499	10.6	13
96	Temperature-responsive linear polyelectrolytes and hydrogels based on [2-(methacryloyloxy)ethyl]trimethylammonium chloride and N-isopropylacrylamide and their complex formation with potassium hexacyanoferrates (II, III). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 515-522	2.6	13
95	Radiation synthesis of temperature-responsive hydrogels by copolymerization of [2-(methacryloyloxy)ethyl]trimethylammonium chloride with N-isopropylacrylamide. <i>Radiation Physics and Chemistry</i> , 2002 , 65, 67-70	2.5	13
94	Miscibility studies in poly(methyl vinyl ether)/hydroxypropylcellulose binary system in aqueous solutions and solid state. <i>Carbohydrate Polymers</i> , 2005 , 62, 80-86	10.3	13
93	Controlling the Size of Thiolated Organosilica Nanoparticles. <i>Langmuir</i> , 2018 , 34, 8347-8354	4	12
92	Complex formation of polyvinyl ether of diethylene glycol with polyacrylic acid II. Effect of molecular weight of polyacrylic acid and solvent nature. <i>European Polymer Journal</i> , 2002 , 38, 313-316	5.2	12

91	Radiation grafting from binary monomer mixtures. II. Vinyl ether of monoethanolamine and N-vinylpyrrolidone. <i>Radiation Physics and Chemistry</i> , 2003 , 68, 793-798	2.5	12
90	Delivery of Riboflavin-5'-Monophosphate Into the Cornea: Can Liposomes Provide Any Enhancement Effects?. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 3041-3049	3.9	11
89	Vaginal Mucosa and Drug Delivery 2014 , 99-132		11
88	Polyelectrolyte nanocontainers: Controlled binding and release of indomethacin. <i>Journal of Molecular Liquids</i> , 2018 , 272, 982-989	6	11
87	Modern Methods for Studying Polymer Complexes in Aqueous and Organic Solutions. <i>Polymer Science - Series A</i> , 2018 , 60, 553-576	1.2	11
86	Chitosan/glycerophosphate gelling mucoadhesive systems for intravesical delivery of mitomycin-C. <i>International Journal of Pharmaceutics: X</i> , 2019 , 1, 100007	3.2	10
85	Evaluation of water properties in HEA/HEMA hydrogels swollen in aqueous-PEG solutions using thermoanalytical techniques. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 121, 335-345	4.1	10
84	Radiation grafting of vinyl ether of monoethanolamine on polypropylene films for application in waste water treatment. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2692-2695		10
83	Mucoadhesive and mucus-penetrating interpolyelectrolyte complexes for nose-to-brain drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 37, 102432	6	10
82	Chitosan as a rainfastness adjuvant for agrochemicals. <i>RSC Advances</i> , 2016 , 6, 102206-102213	3.7	9
81	Micelles of PAAm-b-PEO-b-PAAm Triblock Copolymers and Their Binding with Prednisolon. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 536, 148/[380]-159/[391]	0.5	9
80	Interpolymer complexes of hydroxypropylmethylcellulose with polycarboxylic acids in aqueous solutions. <i>Polymer International</i> , 2006 , 55, 668-674	3.3	9
79	Radiation grafting of vinyl ether of monoethanolamine on polyethylene films. <i>Radiation Physics and Chemistry</i> , 2002 , 65, 249-254	2.5	9
78	Hydrophilic Films Based on Blends of Poly(acrylic acid) and Poly(2-hydroxyethyl vinyl ether): Thermal, Mechanical, and Morphological Characterization. <i>Macromolecular Bioscience</i> , 2003 , 3, 117-122	5.5	9
77	Polymer structure and property effects on solid dispersions with haloperidol: Poly(N-vinyl pyrrolidone) and poly(2-oxazolines) studies. <i>International Journal of Pharmaceutics</i> , 2020 , 590, 119884	6.5	9
76	PEGylated Systems in Pharmaceutics. <i>Polymer Science - Series C</i> , 2020 , 62, 62-74	1.1	8
75	2014 ,		8
74	Theories of Mucoadhesion 2014 , 159-174		8

73	Radiation synthesis of hydrogels based on copolymers of vinyl ethers of monoethanolamine and ethyleneglycol and their interaction with poly(acrylic acid). <i>Radiation Physics and Chemistry</i> , 2003 , 67, 745-749	2.5	8
72	Radiation Synthesis of Linear and Crosslinked Poly[2-(methacryloyloxy)ethyl]trimethylammonium Chloride and Complex Formation with Potassium Hexacyanoferrates (II, III) in Aqueous Solutions. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 1089-1093	2.6	8
71	Interactions of linear and cross-linked polyacrylic acid with polyvinyl ether of ethyleneglycol in some aliphatic alcohols. <i>Polymer Bulletin</i> , 2000 , 44, 563-568	2.4	8
70	Electrosprayed mucoadhesive alginate-chitosan microcapsules for gastrointestinal delivery of probiotics. <i>International Journal of Pharmaceutics</i> , 2021 , 597, 120342	6.5	8
69	Polyelectrolyte complexes of linear copolymers and hydrogels based on 2-[(methacryloyloxy)ethyl]trimethylammonium chloride and N-isopropylacrylamide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1506-1513	2.6	7
68	Radiation synthesis of novel cationic flocculants based on copolymers of vinyl ethers of monoethanolamine and ethyleneglycol. <i>Radiation Physics and Chemistry</i> , 2002 , 64, 9-12	2.5	7
67	Mucus penetrating properties of soft, distensible lipid nanocapsules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 139, 76-84	5.7	7
66	Conjugation of haloperidol to PEG allows peripheral localisation of haloperidol and eliminates CNS extrapyramidal effects. <i>Journal of Controlled Release</i> , 2020 , 322, 227-235	11.7	6
65	Optimizing layer-by-layer deposition of interpolymer complexes on solid substrates using Biacore. <i>Soft Matter</i> , 2012 , 8, 6782	3.6	6
64	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). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 2415-2423	2.6	6
63	Radiation synthesis of polyampholyte hydrogels based on vinyl ether of monoethanolamine and sodium acrylate and their interactions with linear polyelectrolytes. <i>Radiation Physics and Chemistry</i> , 2004 , 71, 1031-1037	2.5	6
62	Hydrophilic films based on poly(acrylic acid)/poly(vinyl methyl ether) blends cross-linked by gamma-radiation. <i>Radiation Physics and Chemistry</i> , 2004 , 69, 205-209	2.5	6
61	Interpolymer Complexes of Eudragit Copolymers as Novel Carriers for Colon-Specific Drug Delivery. <i>Polymers</i> , 2020 , 12,	4.5	6
60	Hydrogels based on copolymers of 2-hydroxyethylmethacrylate and 2-hydroxyethylacrylate as a delivery system for proteins: Interactions with lysozyme. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	5
59	Development of an immobilization system for in situ micronutrients release. <i>Food Research International</i> , 2016 , 90, 121-132	7	5
58	pH- AND IONIC STRENGTH EFFECTS ON INTERPOLYMER COMPLEXATION VIA HYDROGEN-BONDING 2009 , 1-21		5
57	Stabilization of water/n-hexane emulsions by amphiphilic copolymers based on vinyl ethers and their polycomplexes with poly(acrylic acid). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 2625-2632	2.6	5
56	Collapse of Poly(methacrylic acid) Hydrogels in Response to Simultaneous Stimulation by an Electric Field and Complex Formation. <i>Macromolecular Rapid Communications</i> , 2002 , 23, 965-967	4.8	5

55	Soluble and crosslinked hydrophilic films based on compositions of poly(acrylic acid) and poly(2-hydroxyethyl vinyl ether) for controlled drug release. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 137-142	2.9	5
54	Interaction of Chitosan with Hydrogel of Poly(Acrylic Acid) and Preparation of Encapsulated Drugs. <i>Eurasian Chemico-Technological Journal</i> , 2017 , 3, 191	0.8	5
53	Oral care product formulations, properties and challenges. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 200, 111567	6	5
52	Thiolated and PEGylated silica nanoparticle delivery to hair follicles. <i>International Journal of Pharmaceutics</i> , 2021 , 593, 120130	6.5	5
51	Evaluating and optimizing oral formulations of live bacterial vaccines using a gastro-small intestine model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 102, 115-22	5.7	4
50	Radiation grafting from binary monomer mixtures. I. Vinyl ether of monoethanolamine and vinyl ether of ethyleneglycol. <i>Radiation Physics and Chemistry</i> , 2003 , 67, 717-722	2.5	4
49	Design of composite films and ultrathin membranes of interpolymer complexes. <i>Polymers for Advanced Technologies</i> , 2000 , 11, 15-19	3.2	4
48	Rainfastness of agrochemical formulations based on N-vinyl pyrrolidone polymers and their interpolymer complexes with poly(acrylic acid). <i>European Polymer Journal</i> , 2020 , 134, 109852	5.2	3
47	PHARMACEUTICAL APPLICATIONS OF INTERPOLYMER COMPLEXES 2009 , 235-258		3
46	Thiolated Nanoparticles for Biomedical Applications: Mimicking the Workhorses of Our Body. <i>Advanced Science</i> , 2021 , e2102451	13.6	3
45	Investigation of the Thermogelation of a Promising Biocompatible ABC Triblock Terpolymer and Its Comparison with Pluronic F127.. <i>Macromolecules</i> , 2022 , 55, 1783-1799	5.5	3
44	Oral Mucosa: Physiological and Physicochemical Aspects 2014 , 1-38		2
43	Chitosan 2014 , 233-254		2
42	Polyelectrolyte Complexes of Homo- and Copolymers of Vinyl Ether of Monoethanolamine with Poly(Acrylic Acid) in Aqueous Solutions. <i>Journal of Macromolecular Science - Physics</i> , 2003 , 42, 283-292	1.4	2
41	Polymeric iodophors with poly(2-ethyl-2-oxazoline) and poly(N-vinylpyrrolidone): optical, hydrodynamic, thermodynamic, and antimicrobial properties. <i>European Polymer Journal</i> , 2022 , 165, 111005	5.2	2
40	Polycomplexes of Bovine Serum Albumin with Poly[2-Methacryloyloxy) Ethyl]Trimethyl Ammonium Chloride. <i>Eurasian Chemico-Technological Journal</i> , 2017 , 4, 195	0.8	2
39	Synthesis and Solution Properties of Hydrophobically Modified Polysaccharides. <i>Eurasian Chemico-Technological Journal</i> , 2017 , 7, 99	0.8	2
38	Hybrid Nanoparticles for Haloperidol Encapsulation: Quid Est Optimum?. <i>Polymers</i> , 2021 , 13,	4.5	2

37	Planarian toxicity fluorescent assay: A rapid and cheap pre-screening tool for potential skin irritants. <i>Toxicology in Vitro</i> , 2020 , 69, 105004	3.6	2
36	Synthesis of hydrolytically and oxidation-responsive networks using thiol-ene click chemistry with pentaerythritol tetrakis(3-mercaptopropionate) and tri/tetra-acrylates. <i>Polymers for Advanced Technologies</i> , 2020 , 32, 2682	3.2	2
35	Understanding the temperature induced aggregation of silica nanoparticles decorated with temperature-responsive polymers: Can a small step in the chemical structure make a giant leap for a phase transition?. <i>Journal of Colloid and Interface Science</i> , 2021 , 590, 249-259	9.3	2
34	Hydrogel Dressings 2020 , 185-207		2
33	Drug Delivery Across the Nasal Mucosa 2014 , 61-82		1
32	Gastrointestinal Mucosa and Mucus 2014 , 83-98		1
31	Methods for Assessing Mucoadhesion: The Experience of an Integrative Approach 2014 , 197-232		1
30	Thiomers 2014 , 255-278		1
29	Boronate-Containing Polymers 2014 , 279-296		1
28	Acrylated Polymers 2014 , 309-328		1
27	Anatomy of the Eye and the Role of Ocular Mucosa in Drug Delivery 2014 , 39-60		1
26	Block Copolymers of Methoxypoly(Ethylene Oxide) and Poly(ϵ -Caprolactone): Synthesis, Structure, Micellization, and Interaction with Prednisolon. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 536, 215/[447]-223/[455]	9.5	1
25	Interpolymer Complexes of Water-Soluble Nonionic Polysaccharides with Polycarboxylic Acids and Their Applications. <i>ChemInform</i> , 2004 , 35, no		1
24	Gelatin: sources, preparation and application in food and biomedicine. <i>Chemical Bulletin of Kazakh National University</i> , 2020 , 28-46	0	1
23	Intranasal Administration as a Route to Deliver Drugs to the Brain (Review). <i>Drug Development and Registration</i> , 2021 , 10, 117-127	0.6	1
22	Synthesis of fluorescently-labelled poly(2-ethyl-2-oxazoline)-protected gold nanoparticles. <i>Chemical Bulletin of Kazakh National University</i> , 2021 , 12-20	0	1
21	A Novel Polymer Insect Repellent Conjugate for Extended Release and Decreased Skin Permeation of Para-Menthane-3,8-Diol. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
20	Interpolymer Complexes Based on Carbopol and Poly(2-ethyl-2-oxazoline) as Carriers for Buccal Delivery of Metformin. <i>Drug Development and Registration</i> , 2021 , 10, 48-55	0.6	1

19	Application of NMR Spectroscopy to Study Thermoresponsive Polymers 2018 , 225-247		1
18	Interaction of mucin with viologen and acetate derivatives of calix[4]resorcinols. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 208, 112089	6	1
17	Role of mucoadhesive polymers in retention of toothpaste in the oral cavity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 208, 112104	6	1
16	Polyaphron Formulations Stabilised with Different Water-Soluble Polymers for Ocular Drug Delivery. <i>Pharmaceutics</i> , 2022 , 14, 926	6.4	1
15	Methods to Study Mucoadhesive Dosage Forms 2014 , 175-196		0
14	Polymer Architecture Effects on Poly(N,N-Diethyl Acrylamide)-b-Poly(Ethylene Glycol)-b-Poly(N,N-Diethyl Acrylamide) Thermoreversible Gels and Their Evaluation as a Healthcare Material. <i>Macromolecular Bioscience</i> , 2021 , e2100432	5.5	0
13	Poly(2-ethyl-2-oxazoline) grafted gellan gum for potential application in transmucosal drug delivery. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2770	3.2	0
12	Small-Angle X-ray and Neutron Scattering of Temperature-Responsive Polymers in Solutions 2018 , 175-196		0
11	Happy 70th birthday, Professor Sarkyt E. Kudaibergenov. <i>Polymers for Advanced Technologies</i> , 2020 , 32, 2636	3.2	
10	Structure and Properties of Mucins 2014 , 133-158		
9	Liposome-Based Mucoadhesive Formulations 2014 , 297-308		
8	Preparation and publication of chemistry papers in international peer-reviewed journals. <i>Chemical Bulletin of Kazakh National University</i> , 2020 , 40-49		0
7	Controlled Drug Delivery via the Ocular Route 2021 , 349-375		
6	Oral retention of thermally denatured whey protein: In vivo measurement and structural observations by CD and NMR.. <i>Food Chemistry</i> , 2021 , 374, 131650	8.5	
5	Chitosan based hydrogels and their use in medicine. <i>Chemical Bulletin of Kazakh National University</i> , 2020 , 16-28		0
4	Study of Haloperidol Release from Polycomplex Nanoparticles Based on Eudragit Copolymers. <i>Drug Development and Registration</i> , 2020 , 9, 45-50	0.6	
3	Exploring new avenues in physical chemistry of hydrophilic polymers: to the 70th anniversary of Professor Sarkyt Elekenovich Kudaibergenov. <i>Chemical Bulletin of Kazakh National University</i> , 2021 , 50-58		0
2	Applications of Temperature-Responsive Polymers Grafted onto Solid Core Nanoparticles 2018 , 279-299		

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