

# Vitaliy V Khutoryanskiy

## List of Publications by Year in descending order

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199  
papers

11,156  
citations

41258

49  
h-index

34900

98  
g-index

228  
all docs

228  
docs citations

228  
times ranked

13252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thiolated Nanoparticles for Biomedical Applications: Mimicking the Workhorses of Our Body. <i>Advanced Science</i> , 2022, 9, e2102451.	5.6	29
2	Oral retention of thermally denatured whey protein: In vivo measurement and structural observations by CD and NMR. <i>Food Chemistry</i> , 2022, 374, 131650.	4.2	3
3	Polymer Architecture Effects on Poly(N,N-diethyl Acrylamide)-b-Poly(Ethylene Glycol)-b-Poly(N,N-diethyl Tj ETQq1 1 0.784 Bioscience, 2022, 22, e2100432.	2.1	7
4	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.	2.6	7
5	Investigation of the Thermogelation of a Promising Biocompatible ABC Triblock Terpolymer and Its Comparison with Pluronic F127. <i>Macromolecules</i> , 2022, 55, 1783-1799.	2.2	9
6	Polyaphron Formulations Stabilised with Different Water-Soluble Polymers for Ocular Drug Delivery. <i>Pharmaceutics</i> , 2022, 14, 926.	2.0	9
7	Aldehyde-functional thermoresponsive diblock copolymer worm gels exhibit strong mucoadhesion. <i>Chemical Science</i> , 2022, 13, 6888-6898.	3.7	12
8	Development and optimization of solid lipid nanoparticles coated with chitosan and poly(2-ethyl-2-oxazoline) for ocular drug delivery of ciprofloxacin. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 74, 103527.	1.4	17
9	Mucus-penetrating nanoparticles based on chitosan grafted with various non-ionic polymers: Synthesis, structural characterisation and diffusion studies. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 251-264.	5.0	24
10	Happy 70th birthday, Professor Sarkyt E. Kudaibergenov. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2636-2638.	1.6	0
11	Thiolated and PEGylated silica nanoparticle delivery to hair follicles. <i>International Journal of Pharmaceutics</i> , 2021, 593, 120130.	2.6	15
12	Interpolymer Complexes Based on Carbopol <sup>®</sup> and Poly(2-ethyl-2-oxazoline) as Carriers for Buccal Delivery of Metformin. <i>Drug Development and Registration</i> , 2021, 10, 48-55.	0.2	4
13	Electrosprayed mucoadhesive alginate-chitosan microcapsules for gastrointestinal delivery of probiotics. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120342.	2.6	26
14	A Novel Polymer Insect Repellent Conjugate for Extended Release and Decreased Skin Permeation of Para-Menthane-3,8-Diol. <i>Pharmaceutics</i> , 2021, 13, 403.	2.0	3
15	Poly(2-ethyl-2-oxazoline) grafted gellan gum for potential application in transmucosal drug delivery. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2770-2780.	1.6	10
16	Oral care product formulations, properties and challenges. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111567.	2.5	22
17	Mutual Effects of Hydrogen Bonding and Polymer Hydrophobicity on Ibuprofen Crystal Inhibition in Solid Dispersions with Poly(N-vinyl pyrrolidone) and Poly(2-oxazolines). <i>Pharmaceutics</i> , 2021, 13, 659.	2.0	7
18	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.	5.0	5

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19	Mucoadhesive and mucus-penetrating interpolyelectrolyte complexes for nose-to-brain drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 37, 102432.	1.7	19
20	Interaction of mucin with viologen and acetate derivatives of calix[4]resorcinols. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112089.	2.5	1
21	Role of mucoadhesive polymers in retention of toothpaste in the oral cavity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112104.	2.5	2
22	Synthesis and Evaluation of Methacrylated Poly(2-ethyl-2-oxazoline) as a Mucoadhesive Polymer for Nasal Drug Delivery. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5882-5892.	2.0	10
23	Intranasal Administration as a Route to Deliver Drugs to the Brain (Review). <i>Drug Development and Registration</i> , 2021, 10, 117-127.	0.2	6
24	Hybrid Nanoparticles for Haloperidol Encapsulation: Quid Est Optimum?. <i>Polymers</i> , 2021, 13, 4189.	2.0	3
25	Polymer structure and property effects on solid dispersions with haloperidol: Poly(N-vinyl) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	2.6	18
26	Interpolymer Complexes of Eudragit® Copolymers as Novel Carriers for Colon-Specific Drug Delivery. <i>Polymers</i> , 2020, 12, 1459.	2.0	18
27	Silica Nanoparticles in Transmucosal Drug Delivery. <i>Pharmaceutics</i> , 2020, 12, 751.	2.0	43
28	Planarian toxicity fluorescent assay: A rapid and cheap pre-screening tool for potential skin irritants. <i>Toxicology in Vitro</i> , 2020, 69, 105004.	1.1	6
29	Synthesis of hydrolytically and oxidation-responsive networks using thiol-ene click-chemistry with pentaerythritol tetrakis(3-mercaptopropionate) and tri/tetraacrylates. <i>Polymers for Advanced Technologies</i> , 2020, 32, 2682.	1.6	5
30	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.	1.7	34
31	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.	2.6	3
32	PEGylated Systems in Pharmaceutics. <i>Polymer Science - Series C</i> , 2020, 62, 62-74.	0.8	15
33	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.	4.8	8
34	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.	2.6	50
35	Chitosan/Poly(2-ethyl-2-oxazoline) Films with Ciprofloxacin for Application in Vaginal Drug Delivery. <i>Materials</i> , 2020, 13, 1709.	1.3	25
36	Chitosan based hydrogels and their use in medicine. <i>Chemical Bulletin of Kazakh National University</i> , 2020, , 16-28.	0.1	1

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37	Study of Haloperidol Release from Polycomplex Nanoparticles Based on Eudragit <sup>®</sup> Copolymers. Drug Development and Registration, 2020, 9, 45-50.	0.2	1
38	Preparation and publication of chemistry papers in international peer-reviewed journals. Chemical Bulletin of Kazakh National University, 2020, , 40-49.	0.1	0
39	Maleimide-functionalised PLGA-PEG nanoparticles as mucoadhesive carriers for intravesical drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 143, 24-34.	2.0	48
40	Penetration Enhancers in Ocular Drug Delivery. Pharmaceutics, 2019, 11, 321.	2.0	135
41	Synthesis and Evaluation of Boronated Chitosan as a Mucoadhesive Polymer for Intravesical Drug Delivery. Journal of Pharmaceutical Sciences, 2019, 108, 3046-3053.	1.6	36
42	Progress and Current Trends in the Synthesis of Novel Polymers with Enhanced Mucoadhesive Properties. Macromolecular Bioscience, 2019, 19, e1900194.	2.1	62
43	Chitosan/ $\beta$ -glycerophosphate in situ gelling mucoadhesive systems for intravesical delivery of mitomycin-C. International Journal of Pharmaceutics: X, 2019, 1, 100007.	1.2	23
44	Acrylated Eudragit <sup>®</sup> 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.	2.6	40
45	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.	2.6	41
46	Mucus penetrating properties of soft, distensible lipid nanocapsules. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 139, 76-84.	2.0	8
47	Interpolymer complexes of carbopol <sup>®</sup> 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.	2.6	19
48	Structure and characterisation of hydroxyethylcellulose-silica nanoparticles. RSC Advances, 2018, 8, 6471-6478.	1.7	19
49	Development of surfactant-coated alginate capsules containing Lactobacillus plantarum. Food Hydrocolloids, 2018, 82, 490-499.	5.6	24
50	Polysaccharide food matrices for controlling the release, retention and perception of flavours. Food Hydrocolloids, 2018, 79, 253-261.	5.6	29
51	Beyond PEGylation: Alternative surface-modification of nanoparticles with mucus-inert biomaterials. Advanced Drug Delivery Reviews, 2018, 124, 140-149.	6.6	137
52	Mucoadhesive maleimide-functionalised liposomes for drug delivery to urinary bladder. European Journal of Pharmaceutical Sciences, 2018, 111, 83-90.	1.9	61
53	Mucoadhesive polysaccharides modulate sodium retention, release and taste perception. Food Chemistry, 2018, 240, 482-489.	4.2	44
54	Polyelectrolyte nanocontainers: Controlled binding and release of indomethacin. Journal of Molecular Liquids, 2018, 272, 982-989.	2.3	14

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55	Modern Methods for Studying Polymer Complexes in Aqueous and Organic Solutions. <i>Polymer Science - Series A</i> , 2018, 60, 553-576.	0.4	16
56	Formulation of Carbopol®/Poly(2-ethyl-2-oxazoline)s Mucoadhesive Tablets for Buccal Delivery of Hydrocortisone. <i>Polymers</i> , 2018, 10, 175.	2.0	27
57	Chitosan and Its Derivatives for Application in Mucoadhesive Drug Delivery Systems. <i>Polymers</i> , 2018, 10, 267.	2.0	481
58	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.	1.9	23
59	Methacrylated chitosan as a polymer with enhanced mucoadhesive properties for transmucosal drug delivery. <i>International Journal of Pharmaceutics</i> , 2018, 550, 123-129.	2.6	93
60	Supramolecular Hybrid Structures and Gels from Host-Guest Interactions between $\beta$ -Cyclodextrin and PEGylated Organosilica Nanoparticles. <i>Langmuir</i> , 2018, 34, 10591-10602.	1.6	20
61	Controlling the Size of Thiolated Organosilica Nanoparticles. <i>Langmuir</i> , 2018, 34, 8347-8354.	1.6	17
62	Whey protein mouth drying influenced by thermal denaturation. <i>Food Quality and Preference</i> , 2017, 56, 233-240.	2.3	35
63	Hydrogels based on copolymers of $\alpha$ -hydroxyethylmethacrylate and $\alpha$ -hydroxyethylacrylate as a delivery system for proteins: Interactions with lysozyme. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	9
64	Intensifying chitin hydrolysis by adjunct treatments – an overview. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2787-2798.	1.6	26
65	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.	2.6	30
66	Synthesis and evaluation of mucoadhesive acryloyl-quaternized PDMAEMA nanogels for ocular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 538-543.	2.5	40
67	A mucosa-mimetic material for the mucoadhesion testing of thermogelling semi-solids. <i>International Journal of Pharmaceutics</i> , 2017, 528, 586-594.	2.6	30
68	Delivery of Riboflavin-5-Monophosphate Into the Cornea: Can Liposomes Provide Any Enhancement Effects?. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3041-3049.	1.6	14
69	Mucoadhesion: A food perspective. <i>Food Hydrocolloids</i> , 2017, 72, 281-296.	5.6	87
70	Synthesis and solution properties of a temperature-responsive PNIPAM- <i>b</i> -PDMS- <i>b</i> -PNIPAM triblock copolymer. <i>Colloid and Polymer Science</i> , 2017, 295, 1351-1358.	1.0	16
71	Crown Ethers: Novel Permeability Enhancers for Ocular Drug Delivery?. <i>Molecular Pharmaceutics</i> , 2017, 14, 3528-3538.	2.3	47
72	Advances in intravesical drug delivery systems to treat bladder cancer. <i>International Journal of Pharmaceutics</i> , 2017, 532, 105-117.	2.6	58

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73	Encapsulation of <i>Lactobacillus casei</i> into Calcium Pectinate- <i>Chitosan</i> Beads for Enteric Delivery. <i>Journal of Food Science</i> , 2017, 82, 2954-2959.	1.5	49
74	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.	2.6	30
75	Chloride. <i>Eurasian Chemico-Technological Journal</i> , 2017, 4, 195.	0.3	2
76	Interaction of Chitosan with Hydrogel of Poly(Acrylic Acid) and Preparation of Encapsulated Drugs. <i>Eurasian Chemico-Technological Journal</i> , 2017, 3, 191.	0.3	6
77	Synthesis and Solution Properties of Hydrophobically Modified Polysaccharides. <i>Eurasian Chemico-Technological Journal</i> , 2017, 7, 99.	0.3	5
78	Enzyme assisted extraction of chitin from shrimp shells ( <i>Litopenaeus vannamei</i> ). <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1250-1256.	1.6	61
79	Rainfastness of Poly(vinyl alcohol) Deposits on <i>Vicia faba</i> Leaf Surfaces: From Laboratory-Scale Washing to Simulated Rain. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14220-14230.	4.0	26
80	Internal Nanoparticle Structure of Temperature-Responsive Self-Assembled PNIPAM- <i>PEG</i> -PNIPAM Triblock Copolymers in Aqueous Solutions: NMR, SANS, and Light Scattering Studies. <i>Langmuir</i> , 2016, 32, 5314-5323.	1.6	48
81	Maleimide-bearing nanogels as novel mucoadhesive materials for drug delivery. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6581-6587.	2.9	59
82	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.	2.6	64
83	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, 1318-1327.	2.6	58
84	Development of an immobilization system for in situ micronutrients release. <i>Food Research International</i> , 2016, 90, 121-132.	2.9	8
85	Chitosan as a rainfastness adjuvant for agrochemicals. <i>RSC Advances</i> , 2016, 6, 102206-102213.	1.7	17
86	Poly(vinyl alcohol)- <i>Gantrez</i> AN cryogels for wound care applications. <i>RSC Advances</i> , 2016, 6, 105487-105494.	1.7	23
87	Antimicrobial hydrogels based on autoclaved poly(vinyl alcohol) and poly(methyl vinyl) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10 Tf 50 18	1.7	40
88	In situ gelling systems based on Pluronic F127/Pluronic F68 formulations for ocular drug delivery. <i>International Journal of Pharmaceutics</i> , 2016, 502, 70-79.	2.6	213
89	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, 115-122.	2.0	6
90	Probing the Mucoadhesive Interactions Between Porcine Gastric Mucin and Some Water-Soluble Polymers. <i>Macromolecular Bioscience</i> , 2015, 15, 1546-1553.	2.1	54

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91	Novel glycopolymer hydrogels as mucosa-mimetic materials to reduce animal testing. <i>Chemical Communications</i> , 2015, 51, 14447-14450.	2.2	49
92	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.	2.6	34
93	POZylation: a new approach to enhance nanoparticle diffusion through mucosal barriers. <i>Nanoscale</i> , 2015, 7, 13671-13679.	2.8	64
94	Redox- and glucose-responsive hydrogels from poly(vinyl alcohol) and 4-mercaptophenylboronic acid. <i>European Polymer Journal</i> , 2015, 69, 132-139.	2.6	16
95	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.	2.0	12
96	Stability of probiotic <i>Lactobacillus plantarum</i> in dry microcapsules under accelerated storage conditions. <i>Food Research International</i> , 2015, 74, 208-216.	2.9	80
97	Longer and safer gastric residence. <i>Nature Materials</i> , 2015, 14, 963-964.	13.3	39
98	Mucoadhesion and mucosa-mimetic materials—A mini-review. <i>International Journal of Pharmaceutics</i> , 2015, 495, 991-998.	2.6	67
99	Biomedical applications of hydrogels: A review of patents and commercial products. <i>European Polymer Journal</i> , 2015, 65, 252-267.	2.6	1,905
100	Inserts. , 2014, , i-viii.		0
101	Advances in ophthalmic drug delivery. <i>Therapeutic Delivery</i> , 2014, 5, 1297-1315.	1.2	141
102	Microencapsulation of a synbiotic into PLGA/alginate multiparticulate gels. <i>International Journal of Pharmaceutics</i> , 2014, 466, 400-408.	2.6	50
103	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, 225-234.	2.1	47
104	On the Role of Specific Interactions in the Diffusion of Nanoparticles in Aqueous Polymer Solutions. <i>Langmuir</i> , 2014, 30, 308-317.	1.6	84
105	Thermodynamic and kinetic properties of interpolymer complexes assessed by isothermal titration calorimetry and surface plasmon resonance. <i>Soft Matter</i> , 2014, 10, 8254-8260.	1.2	31
106	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, 3556-3564.	2.3	102
107	A Laminated Polymer Film Formulation for Enteric Delivery of Live Vaccine and Probiotic Bacteria. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 2022-2032.	1.6	34
108	Enhancement in corneal permeability of riboflavin using calcium sequestering compounds. <i>International Journal of Pharmaceutics</i> , 2014, 472, 56-64.	2.6	55

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109	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.	2.9	82
110	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.	1.7	48
111	Investigation of milk proteins binding to the oral mucosa. <i>Food and Function</i> , 2013, 4, 1668.	2.1	48
112	Layer-by-layer coating of alginate matrices with chitosan- $\alpha$ -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.	2.9	96
113	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.	2.6	24
114	Cyclodextrin-Mediated Enhancement of Riboflavin Solubility and Corneal Permeability. <i>Molecular Pharmaceutics</i> , 2013, 10, 756-762.	2.3	120
115	A Comparison of Thiolated and Disulfide-Crosslinked Polyethylenimine for Nonviral Gene Delivery. <i>Macromolecular Bioscience</i> , 2013, 13, 1163-1173.	2.1	18
116	CLSM Method for the Dynamic Observation of pH Change within Polymer Matrices for Oral Delivery. <i>Biomacromolecules</i> , 2013, 14, 387-393.	2.6	19
117	Chitosan-based mucoadhesive tablets for oral delivery of ibuprofen. <i>International Journal of Pharmaceutics</i> , 2012, 436, 602-610.	2.6	97
118	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.	0.8	58
119	Optimizing layer-by-layer deposition of interpolymer complexes on solid substrates using Biacore. <i>Soft Matter</i> , 2012, 8, 6782.	1.2	7
120	Hydrogen-Bonding-Driven Self-Assembly of PEGylated Organosilica Nanoparticles with Poly(acrylic) Tj ETQqO O O rgBT /Overlock 10 Tf 50 299-306.	1.6	33
121	Chitosan coated alginate beads for the survival of microencapsulated <i>Lactobacillus plantarum</i> in pomegranate juice. <i>Carbohydrate Polymers</i> , 2012, 90, 1281-1287.	5.1	147
122	Amphoteric nano-, micro-, and macrogels, membranes, and thin films. <i>Soft Matter</i> , 2012, 8, 9302.	1.2	77
123	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.	2.6	18
124	Microencapsulation of probiotics for gastrointestinal delivery. <i>Journal of Controlled Release</i> , 2012, 162, 56-67.	4.8	538
125	Microwave-Assisted Hydrogel Synthesis: A New Method for Crosslinking Polymers in Aqueous Solutions. <i>Macromolecular Rapid Communications</i> , 2012, 33, 332-336.	2.0	70
126	Developing synthetic mucosa-mimetic hydrogels to replace animal experimentation in characterisation of mucoadhesive drug delivery systems. <i>Soft Matter</i> , 2011, 7, 9620.	1.2	39



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127	Thiolated Mucoadhesive and PEGylated Nonmucoadhesive Organosilica Nanoparticles from 3-Mercaptopropyltrimethoxysilane. <i>Langmuir</i> , 2011, 27, 9551-9556.	1.6	89
128	Production and Evaluation of Dry Alginate-Chitosan Microcapsules as an Enteric Delivery Vehicle for Probiotic Bacteria. <i>Biomacromolecules</i> , 2011, 12, 2834-2840.	2.6	235
129	Advances in Mucoadhesion and Mucoadhesive Polymers. <i>Macromolecular Bioscience</i> , 2011, 11, 748-764.	2.1	463
130	Photochemical crosslinking of plastically compressed collagen gel produces an optimal scaffold for corneal tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 99A, 1-8.	2.1	52
131	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].	0.4	9
132	Block Copolymers of Methoxypoly(Ethylene Oxide) and Poly( $\epsilon$ -Caprolactone): Synthesis, Structure, Micellization, and Interaction with Prednisolon. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 536, 215/[447]-223/[455].	0.4	1
133	Exploring the Factors Affecting the Solubility of Chitosan in Water. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 426-433.	1.1	176
134	Temperature-Responsive Properties and Drug Solubilization Capacity of Amphiphilic Copolymers Based on N-Vinylpyrrolidone and Vinyl Propyl Ether. <i>Langmuir</i> , 2010, 26, 7590-7597.	1.6	27
135	Multilayered hydrogel coatings covalently-linked to glass surfaces showing a potential to mimic mucosal tissues. <i>Soft Matter</i> , 2010, 6, 551-557.	1.2	37
136	Effect of acyl chain length on transfection efficiency and toxicity of polyethylenimine. <i>International Journal of Pharmaceutics</i> , 2009, 378, 201-210.	2.6	81
137	Hydrogen-Bonded Interpolymer Complexes. , 2009, , .		33
138	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.	1.5	26
139	pH- AND IONIC STRENGTH EFFECTS ON INTERPOLYMER COMPLEXATION VIA HYDROGEN-BONDING. , 2009, , 1-21.		5
140	PHARMACEUTICAL APPLICATIONS OF INTERPOLYMER COMPLEXES. , 2009, , 235-258.		3
141	Mucoadhesive and Elastic Films Based on Blends of Chitosan and Hydroxyethylcellulose. <i>Macromolecular Bioscience</i> , 2008, 8, 184-192.	2.1	59
142	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, 13742-13747.	1.6	30
143	Why is Chitosan Mucoadhesive?. <i>Biomacromolecules</i> , 2008, 9, 1837-1842.	2.6	591
144	Designing Temperature-Responsive Biocompatible Copolymers and Hydrogels Based on 2-Hydroxyethyl(meth)acrylates. <i>Biomacromolecules</i> , 2008, 9, 3353-3361.	2.6	102

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145	Oxidation-responsiveness of nanomaterials for targeting inflammatory reactions. <i>Pure and Applied Chemistry</i> , 2008, 80, 1703-1718.	0.9	52
146	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.	2.2	34
147	Temperature-Responsive Water-Soluble Copolymers Based on 2-Hydroxyethyl Acrylate and Butyl Acrylate. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 979-987.	1.1	50
148	Hydrogen-bonded interpolymer complexes as materials for pharmaceutical applications. <i>International Journal of Pharmaceutics</i> , 2007, 334, 15-26.	2.6	152
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150	Design of Mucoadhesive Polymeric Films Based on Blends of Poly(acrylic acid) and (Hydroxypropyl)cellulose. <i>Biomacromolecules</i> , 2006, 7, 1637-1643.	2.6	47
151	Carbohydrate-Based Micelle Clusters Which Enhance Hydrophobic Drug Bioavailability by Up to 1 Order of Magnitude. <i>Biomacromolecules</i> , 2006, 7, 3452-3459.	2.6	115
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159	pH Effects in the Complex Formation and Blending of Poly(acrylic acid) with Poly(ethylene oxide). <i>Langmuir</i> , 2004, 20, 3785-3790.	1.6	134
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165	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.	2.4	7
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182	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.	0.4	2
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185	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.	2.0	5
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198	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.	1.1	22

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199	$\Theta' \Theta \gg \Theta, \tilde{\Theta} \Theta^{1/2} \Theta, \Theta \mu \tilde{\tilde{\Theta}}, \Theta \mu \Theta; \Theta \mu \Theta^{1/2} \Theta, \Theta; \tilde{\tilde{\Theta}} \in \Theta, \Theta^2 \Theta, \Theta^2 \Theta^\circ \Theta, \Theta^{1/2} \Theta^\circ \tilde{\tilde{\Theta}}^2 \Theta^{3/4} \Theta^{1/2} \tilde{\tilde{\Theta}}, \Theta^2 \Theta^\circ \tilde{\tilde{\Theta}} \Theta^{3/4} \Theta; \Theta^{3/4} \Theta \gg \Theta, \Theta^{1/4} \Theta \mu \tilde{\tilde{\Theta}} \Theta^{3/4} \Theta \Theta. \Theta^{1/2} \Theta^\circ \Theta^{3/4} \tilde{\tilde{\Theta}} \Theta^{1/2} \Theta^{3/4}$		