# 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 | Biomedical applications of hydrogels: A review of patents and commercial products. European Polymer Journal, 2015, 65, 252-267. | 2.6 | 1,905 |
| 2 | Why is Chitosan Mucoadhesive?. Biomacromolecules, 2008, 9, 1837-1842. | 2.6 | 591 |
| 3 | Microencapsulation of probiotics for gastrointestinal delivery. Journal of Controlled Release, 2012, 162, 56-67. | 4.8 | 538 |
| 4 | Chitosan and Its Derivatives for Application in Mucoadhesive Drug Delivery Systems. Polymers, 2018, 10, 267. | 2.0 | 481 |
| 5 | Advances in Mucoadhesion and Mucoadhesive Polymers. Macromolecular Bioscience, 2011, 11, 748-764. | 2.1 | 463 |
| 6 | Production and Evaluation of Dry Alginate-Chitosan Microcapsules as an Enteric Delivery Vehicle for Probiotic Bacteria. Biomacromolecules, 2011, 12, 2834-2840. | 2.6 | 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. | 2.6 | 213 |
| 8 | Exploring the Factors Affecting the Solubility of Chitosan in Water. Macromolecular Chemistry and Physics, 2010, 211, 426-433. | 1.1 | 176 |
| 9 | Hydrogen-bonded interpolymer complexes as materials for pharmaceutical applications. International Journal of Pharmaceutics, 2007, 334, 15-26. | 2.6 | 152 |
| 10 | Chitosan coated alginate beads for the survival of microencapsulated Lactobacillus plantarum in pomegranate juice. Carbohydrate Polymers, 2012, 90, 1281-1287. | 5.1 | 147 |
| 11 | Advances in ophthalmic drug delivery. Therapeutic Delivery, 2014, 5, 1297-1315. | 1.2 | 141 |
| 12 | Beyond PEGylation: Alternative surface-modification of nanoparticles with mucus-inert biomaterials. Advanced Drug Delivery Reviews, 2018, 124, 140-149. | 6.6 | 137 |
| 13 | Penetration Enhancers in Ocular Drug Delivery. Pharmaceutics, 2019, 11, 321. | 2.0 | 135 |
| 14 | pH Effects in the Complex Formation and Blending of Poly(acrylic acid) with Poly(ethylene oxide). Langmuir, 2004, 20, 3785-3790. | 1.6 | 134 |
| 15 | Cyclodextrin-Mediated Enhancement of Riboflavin Solubility and Corneal Permeability. Molecular Pharmaceutics, 2013, 10, 756-762. | 2.3 | 120 |
| 16 | Carbohydrate-Based Micelle Clusters Which Enhance Hydrophobic Drug Bioavailability by Up to 1 Order of Magnitude. Biomacromolecules, 2006, 7, 3452-3459. | 2.6 | 115 |
| 17 | Miscibility studies of the blends of chitosan with some cellulose ethers. Carbohydrate Polymers, 2006, 63, 238-244. | 5.1 | 106 |
| 18 | Designing Temperature-Responsive Biocompatible Copolymers and Hydrogels Based on 2-Hydroxyethyl(meth)acrylates. Biomacromolecules, 2008, 9, 3353-3361. | 2.6 | 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. | 2.3 | 102 |
| 20 | Chitosan-based mucoadhesive tablets for oral delivery of ibuprofen. International Journal of Pharmaceutics, 2012, 436, 602-610. | 2.6 | 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. | 2.9 | 96 |
| 22 | Methacrylated chitosan as a polymer with enhanced mucoadhesive properties for transmucosal drug delivery. International Journal of Pharmaceutics, 2018, 550, 123-129. | 2.6 | 93 |
| 23 | Thiolated Mucoadhesive and PEGylated Nonmucoadhesive Organosilica Nanoparticles from 3-Mercaptopropyltrimethoxysilane. Langmuir, 2011, 27, 9551-9556. | 1.6 | 89 |
| 24 | Mucoadhesion: A food perspective. Food Hydrocolloids, 2017, 72, 281-296. | 5.6 | 87 |
| 25 | pH and salt effects on interpolymer complexation via hydrogen bonding in aqueous solutions. Polymer International, 2004, 53, 1382-1387. | 1.6 | 86 |
| 26 | On the Role of Specific Interactions in the Diffusion of Nanoparticles in Aqueous Polymer Solutions. Langmuir, 2014, 30, 308-317. | 1.6 | 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. | 2.9 | 82 |
| 28 | Effect of acyl chain length on transfection efficiency and toxicity of polyethylenimine. International Journal of Pharmaceutics, 2009, 378, 201-210. | 2.6 | 81 |
| 29 | Stability of probiotic Lactobacillus plantarum in dry microcapsules under accelerated storage conditions. Food Research International, 2015, 74, 208-216. | 2.9 | 80 |
| 30 | Amphoteric nano-, micro-, and macrogels, membranes, and thin films. Soft Matter, 2012, 8, 9302. | 1.2 | 77 |
| 31 | Mucoadhesive interactions of amphiphilic cationic copolymers based on [2-(methacryloyloxy)ethyl]trimethylammonium chloride. International Journal of Pharmaceutics, 2007, 339, 25-32. | 2.6 | 75 |
| 32 | Microwaveâ€Assisted Hydrogel Synthesis: A New Method for Crosslinking Polymers in Aqueous Solutions. Macromolecular Rapid Communications, 2012, 33, 332-336. | 2.0 | 70 |
| 33 | Mucoadhesion and mucosa-mimetic materialsâ€”A mini-review. International Journal of Pharmaceutics, 2015, 495, 991-998. | 2.6 | 67 |
| 34 | Interpolymer Complexes of Water-Soluble Nonionic Polysaccharides with Polycarboxylic Acids and Their Applications. Macromolecular Bioscience, 2003, 3, 283-295. | 2.1 | 65 |
| 35 | POZylation: a new approach to enhance nanoparticle diffusion through mucosal barriers. Nanoscale, 2015, 7, 13671-13679. | 2.8 | 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. | 2.6 | 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. | 2.1 | 62 |
| 38 | Enzyme assisted extraction of chitin from shrimp shells (Litopenaeus vannamei). Journal of Chemical Technology and Biotechnology, 2016, 91, 1250-1256. | 1.6 | 61 |
| 39 | Mucoadhesive maleimide-functionalised liposomes for drug delivery to urinary bladder. European Journal of Pharmaceutical Sciences, 2018, 111, 83-90. | 1.9 | 61 |
| 40 | Mucoadhesive and Elastic Films Based on Blends of Chitosan and Hydroxyethylcellulose. Macromolecular Bioscience, 2008, 8, 184-192. | 2.1 | 59 |
| 41 | Maleimide-bearing nanogels as novel mucoadhesive materials for drug delivery. Journal of Materials Chemistry B, 2016, 4, 6581-6587. | 2.9 | 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. | 0.8 | 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. | 2.6 | 58 |
| 44 | Advances in intravesical drug delivery systems to treat bladder cancer. International Journal of Pharmaceutics, 2017, 532, 105-117. | 2.6 | 58 |
| 45 | Enhancement in corneal permeability of riboflavin using calcium sequestering compounds. International Journal of Pharmaceutics, 2014, 472, 56-64. | 2.6 | 55 |
| 46 | Probing the Mucoadhesive Interactions Between Porcine Gastric Mucin and Some Waterâ€Soluble Polymers. Macromolecular Bioscience, 2015, 15, 1546-1553. | 2.1 | 54 |
| 47 | Oxidation-responsiveness of nanomaterials for targeting inflammatory reactions. Pure and Applied Chemistry, 2008, 80, 1703-1718. | 0.9 | 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. | 2.1 | 52 |
| 49 | Temperature-Responsive Water-Soluble Copolymers Based on 2-Hydroxyethyl Acrylate and Butyl Acrylate. Macromolecular Chemistry and Physics, 2007, 208, 979-987. | 1.1 | 50 |
| 50 | Microencapsulation of a synbiotic into PLGA/alginate multiparticulate gels. International Journal of Pharmaceutics, 2014, 466, 400-408. | 2.6 | 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. | 2.6 | 50 |
| 52 | Novel glycopolymer hydrogels as mucosa-mimetic materials to reduce animal testing. Chemical Communications, 2015, 51, 14447-14450. | 2.2 | 49 |
| 53 | Encapsulation of Lactobacillus casei into Calcium Pectinateâ€Chitosan Beads for Enteric Delivery. Journal of Food Science, 2017, 82, 2954-2959. | 1.5 | 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. | 1.7 | 48 |

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| 55 | Investigation of milk proteins binding to the oral mucosa. Food and Function, 2013, 4, 1668. | 2.1 | 48 |
| 56 | Internal Nanoparticle Structure of Temperature-Responsive Self-Assembled PNIPAM-b-PEG-b-PNIPAM Triblock Copolymers in Aqueous Solutions: NMR, SANS, and Light Scattering Studies. Langmuir, 2016, 32, 5314-5323. | 1.6 | 48 |
| 57 | 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 |
| 58 | Design of Mucoadhesive Polymeric Films Based on Blends of Poly(acrylic acid) and (Hydroxypropyl)cellulose. Biomacromolecules, 2006, 7, 1637-1643. | 2.6 | 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. | 2.1 | 47 |
| 60 | Crown Ethers: Novel Permeability Enhancers for Ocular Drug Delivery?. Molecular Pharmaceutics, 2017, 14, 3528-3538. | 2.3 | 47 |
| 61 | Mucoadhesive polysaccharides modulate sodium retention, release and taste perception. Food Chemistry, 2018, 240, 482-489. | 4.2 | 44 |
| 62 | Silica Nanoparticles in Transmucosal Drug Delivery. Pharmaceutics, 2020, 12, 751. | 2.0 | 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. | 2.6 | 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. | 2.6 | 41 |
| 65 | Antimicrobial hydrogels based on autoclaved poly(vinyl alcohol) and poly(methyl vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 | 1.7 | 40 |
| 66 | Synthesis and evaluation of mucoadhesive acryloyl-quaternized PDMAEMA nanogels for ocular drug delivery. Colloids and Surfaces B: Biointerfaces, 2017, 155, 538-543. | 2.5 | 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. | 2.6 | 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. | 0.7 | 39 |
| 69 | pH Effects on the Complexation, Miscibility and Radiation-Induced Crosslinking in Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 2.1 | 39 |
| 70 | Characterisation of Blends Based on Hydroxyethylcellulose and Maleic Acid-alt-Methyl Vinyl Ether. Macromolecular Chemistry and Physics, 2005, 206, 1497-1510. | 1.1 | 39 |
| 71 | Developing synthetic mucosa-mimetic hydrogels to replace animal experimentation in characterisation of mucoadhesive drug delivery systems. Soft Matter, 2011, 7, 9620. | 1.2 | 39 |
| 72 | Longer and safer gastric residence. Nature Materials, 2015, 14, 963-964. | 13.3 | 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. | 1.2 | 37 |
| 74 | 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 |
| 75 | Whey protein mouth drying influenced by thermal denaturation. Food Quality and Preference, 2017, 56, 233-240. | 2.3 | 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. | 1.3 | 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. | 2.2 | 34 |
| 78 | A Laminated Polymer Film Formulation for Enteric Delivery of Live Vaccine and Probiotic Bacteria. Journal of Pharmaceutical Sciences, 2014, 103, 2022-2032. | 1.6 | 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. | 2.6 | 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. | 1.7 | 34 |
| 81 | Phase behaviour of methylcellulose-poly(acrylic acid) blends and preparation of related hydrophilic films. Polymer International, 2003, 52, 62-67. | 1.6 | 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<br>299-306. | 1.6 | 33 |
| 84 | Thermodynamic and kinetic properties of interpolymer complexes assessed by isothermal titration calorimetry and surface plasmon resonance. Soft Matter, 2014, 10, 8254-8260. | 1.2 | 31 |
| 85 | Morphological and thermal characterization of interpolymer complexes and blends based on poly(acrylic acid) and hydroxypropylcellulose. Polymer International, 2004, 53, 307-311. | 1.6 | 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 N-Vinyl Pyrrolidone. Langmuir, 2008, 24, 13742-13747. | 1.6 | 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. | 2.6 | 30 |
| 88 | A mucosa-mimetic material for the mucoadhesion testing of thermogelling semi-solids. International Journal of Pharmaceutics, 2017, 528, 586-594. | 2.6 | 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. | 2.6 | 30 |
| 90 | Polysaccharide food matrices for controlling the release, retention and perception of flavours. Food Hydrocolloids, 2018, 79, 253-261. | 5.6 | 29 |

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| 91 | Thiolated Nanoparticles for Biomedical Applications: Mimicking the Workhorses of Our Body. Advanced Science, 2022, 9, e2102451. | 5.6 | 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. | 2.0 | 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. | 1.8 | 27 |
| 94 | Interpolymer complexes of copolymers of vinyl ether of diethylene glycol with poly(acrylic acid). Colloid and Polymer Science, 2002, 280, 282-289. | 1.0 | 27 |
| 95 | Polycomplexes of poly(acrylic acid) with streptomycin sulfate and their antibacterial activity. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 57, 245-249. | 2.0 | 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. | 2.4 | 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. | 1.6 | 27 |
| 98 | Formulation of CarbopolÂ®/Poly(2-ethyl-2-oxazoline)s Mucoadhesive Tablets for Buccal Delivery of Hydrocortisone. Polymers, 2018, 10, 175. | 2.0 | 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. | 1.5 | 26 |
| 100 | Rainfastness of Poly(vinyl alcohol) Deposits on Vicia faba Leaf Surfaces: From Laboratory-Scale Washing to Simulated Rain. ACS Applied Materials & Interfaces, 2016, 8, 14220-14230. | 4.0 | 26 |
| 101 | Intensifying chitin hydrolysis by adjunct treatments â€“ an overview. Journal of Chemical Technology and Biotechnology, 2017, 92, 2787-2798. | 1.6 | 26 |
| 102 | Electrosprayed mucoadhesive alginate-chitosan microcapsules for gastrointestinal delivery of probiotics. International Journal of Pharmaceutics, 2021, 597, 120342. | 2.6 | 26 |
| 103 | Chitosan/Poly(2-ethyl-2-oxazoline) Films with Ciprofloxacin for Application in Vaginal Drug Delivery. Materials, 2020, 13, 1709. | 1.3 | 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. | 2.6 | 24 |
| 105 | Development of surfactant-coated alginate capsules containing Lactobacillus plantarum. Food Hydrocolloids, 2018, 82, 490-499. | 5.6 | 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. | 5.0 | 24 |
| 107 | Interpolymer complexes of poly(acrylic acid) with poly(2-hydroxyethyl acrylate) in aqueous solutions. Colloid and Polymer Science, 2004, 283, 174-181. | 1.0 | 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. | 2.3 | 23 |

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| 109 | Poly(vinyl alcohol)â€“GantrezÂ® AN cryogels for wound care applications. RSC Advances, 2016, 6, 105487-105494. | 1.7 | 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. | 1.9 | 23 |
| 111 | Chitosan/Î²-glycerophosphate in situ gelling mucoadhesive systems for intravesical delivery of mitomycin-C. International Journal of Pharmaceutics: X, 2019, 1, 100007. | 1.2 | 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. | 1.1 | 22 |
| 113 | Oral care product formulations, properties and challenges. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111567. | 2.5 | 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. | 2.6 | 21 |
| 115 | Supramolecular Hybrid Structures and Gels from Hostâ€“Guest Interactions between Î±-Cyclodextrin and PEGylated Organosilica Nanoparticles. Langmuir, 2018, 34, 10591-10602. | 1.6 | 20 |
| 116 | Complex formation of methylcellulose with poly(acrylic acid). Polymer International, 2000, 49, 867-870. | 1.6 | 19 |
| 117 | Complex formation between poly(vinyl ether of diethyleneglycol) and polyacrylic acid. European Polymer Journal, 2001, 37, 1233-1237. | 2.6 | 19 |
| 118 | CLSM Method for the Dynamic Observation of pH Change within Polymer Matrices for Oral Delivery. Biomacromolecules, 2013, 14, 387-393. | 2.6 | 19 |
| 119 | Structure and characterisation of hydroxyethylcelluloseâ€“silica nanoparticles. RSC Advances, 2018, 8, 6471-6478. | 1.7 | 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. | 2.6 | 19 |
| 121 | Mucoadhesive and mucus-penetrating interpolyelectrolyte complexes for nose-to-brain drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 37, 102432. | 1.7 | 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. | 2.6 | 18 |
| 123 | A Comparison of Thiolated and Disulfide-Crosslinked Polyethylenimine for Nonviral Gene Delivery. Macromolecular Bioscience, 2013, 13, 1163-1173. | 2.1 | 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 ( | 2.6 | 18 |
| 125 | Interpolymer Complexes of EudragitÂ® Copolymers as Novel Carriers for Colon-Specific Drug Delivery. Polymers, 2020, 12, 1459. | 2.0 | 18 |
| 126 | Chitosan as a rainfastness adjuvant for agrochemicals. RSC Advances, 2016, 6, 102206-102213. | 1.7 | 17 |

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| 127 | Controlling the Size of Thiolated Organosilica Nanoparticles. Langmuir, 2018, 34, 8347-8354. | 1.6 | 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. | 1.4 | 17 |
| 129 | Miscibility studies in poly(methyl vinyl ether)/hydroxypropylcellulose binary system in aqueous solutions and solid state. Carbohydrate Polymers, 2005, 62, 80-86. | 5.1 | 16 |
| 130 | Redox- and glucose-responsive hydrogels from poly(vinyl alcohol) and 4-mercaptophenylboronic acid. European Polymer Journal, 2015, 69, 132-139. | 2.6 | 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. | 1.0 | 16 |
| 132 | Modern Methods for Studying Polymer Complexes in Aqueous and Organic Solutions. Polymer Science - Series A, 2018, 60, 553-576. | 0.4 | 16 |
| 133 | Polymeric complexes of lidocaine hydrochloride with poly(acrylic acid) and poly(2-hydroxyethyl vinyl) Tj ETQq1 1 0.784314 rgBT /Over | 1.9 | 15 |
| 134 | PEGylated Systems in Pharmaceutics. Polymer Science - Series C, 2020, 62, 62-74. | 0.8 | 15 |
| 135 | Thiolated and PEGylated silica nanoparticle delivery to hair follicles. International Journal of Pharmaceutics, 2021, 593, 120130. | 2.6 | 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. | 1.6 | 14 |
| 137 | Polyelectrolyte nanocontainers: Controlled binding and release of indomethacin. Journal of Molecular Liquids, 2018, 272, 982-989. | 2.3 | 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. | 1.4 | 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. | 2.6 | 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. | 2.4 | 13 |
| 141 | Radiation grafting from binary monomer mixtures. II. Vinyl ether of monoethanolamine and N-vinylpyrrolidone. Radiation Physics and Chemistry, 2003, 68, 793-798. | 1.4 | 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. | 2.0 | 12 |
| 143 | Aldehyde-functional thermoresponsive diblock copolymer worm gels exhibit strong mucoadhesion. Chemical Science, 2022, 13, 6888-6898. | 3.7 | 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. | 2.1 | 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. | 1.7 | 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. | 1.4 | 10 |
| 148 | Interpolymer complexes of hydroxypropylmethylcellulose with polycarboxylic acids in aqueous solutions. Polymer International, 2006, 55, 668-674. | 1.6 | 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. | 1.6 | 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. | 2.0 | 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. | 1.1 | 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. | 1.4 | 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]. | 0.4 | 9 |
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