List of Publications by Year in descending order

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ΔΝΙΠ CΗΛΠΗΛΝ

#	Article	IF	CITATIONS
1	Ophthalmic Drug Delivery through Contact Lenses. , 2004, 45, 2342.		255
2	Dispersion of microemulsion drops in HEMA hydrogel: a potential ophthalmic drug delivery vehicle. International Journal of Pharmaceutics, 2005, 292, 95-117.	5.2	244
3	Extended delivery of hydrophilic drugs from silicone-hydrogel contact lenses containing Vitamin E diffusion barriers. Biomaterials, 2010, 31, 4032-4047.	11.4	223
4	Modeling Ophthalmic Drug Delivery by Soaked Contact Lenses. Industrial & Engineering Chemistry Research, 2006, 45, 3718-3734.	3.7	201
5	Claucoma therapy by extended release of timolol from nanoparticle loaded silicone-hydrogel contact lenses. Journal of Controlled Release, 2013, 165, 82-89.	9.9	197
6	Extended delivery of ophthalmic drugs by silicone hydrogel contact lenses. Biomaterials, 2008, 29, 2259-2269.	11.4	190
7	Extended drug delivery by contact lenses for glaucoma therapy. Journal of Controlled Release, 2012, 162, 152-158.	9.9	156
8	Dispersion of DMPC Liposomes in Contact Lenses for Ophthalmic Drug Delivery. Current Eye Research, 2005, 30, 1071-1080.	1.5	139
9	Surfactant-laden soft contact lenses for extended delivery of ophthalmic drugs. Biomaterials, 2009, 30, 867-878.	11.4	136
10	Extended release of dexamethasone from silicone-hydrogel contact lenses containing vitamin E. Journal of Controlled Release, 2010, 148, 110-116.	9.9	122
11	Extended cyclosporine delivery by silicone–hydrogel contact lenses. Journal of Controlled Release, 2011, 154, 267-274.	9.9	121
12	Temperature sensitive contact lenses for triggered ophthalmic drug delivery. Biomaterials, 2012, 33, 2289-2300.	11.4	118
13	Ophthalmic delivery of Cyclosporine A from Brij-97 microemulsion and surfactant-laden p-HEMA hydrogels. International Journal of Pharmaceutics, 2008, 361, 222-229.	5.2	111
14	Contact lenses as a platform for ocular drug delivery. Expert Opinion on Drug Delivery, 2013, 10, 1483-1496.	5.0	110
15	Dual drug delivery from vitamin E loaded contact lenses for glaucoma therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 312-321.	4.3	107
16	Dispersive Mixing in the Posterior Tear Film Under a Soft Contact Lens. Industrial & Engineering Chemistry Research, 2001, 40, 3015-3026.	3.7	97
17	Drug and surfactant transport in Cyclosporine A and Brij 98 laden p-HEMA hydrogels. Journal of Colloid and Interface Science, 2008, 322, 624-633.	9.4	91
18	Drug Delivery by Contact Lens in Spontaneously Glaucomatous Dogs. Current Eye Research, 2012, 37, 204-211.	1.5	84

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19	Dexamethasone transport and ocular delivery from poly(hydroxyethyl methacrylate) gels. International Journal of Pharmaceutics, 2007, 353, 205-22.	5.2	83
20	Timolol transport from microemulsions trapped in HEMA gels. Journal of Colloid and Interface Science, 2007, 315, 297-306.	9.4	77
21	Transport of Topical Anesthetics in Vitamin E Loaded Silicone Hydrogel Contact Lenses. Langmuir, 2012, 28, 1478-1487.	3.5	77
22	Effect of Viscosity on Tear Drainage and Ocular Residence Time. Optometry and Vision Science, 2008, 85, E715-E725.	1.2	72
23	Permeability and diffusivity for water transport through hydrogel membranes. Journal of Membrane Science, 2003, 214, 199-209.	8.2	65
24	Mechanistic modeling of ophthalmic drug delivery to the anterior chamber by eye drops and contact lenses. Advances in Colloid and Interface Science, 2016, 233, 139-154.	14.7	64
25	Feasibility of corneal drug delivery of cysteamine using vitamin E modified silicone hydrogel contact lenses. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 531-540.	4.3	63
26	Controlled Release of Antibiotics From Vitamin E–Loaded Silicone-Hydrogel Contact Lenses. Journal of Pharmaceutical Sciences, 2016, 105, 1164-1172.	3.3	59
27	Ophthalmic delivery of cyclosporine A by punctal plugs. Journal of Controlled Release, 2011, 150, 70-76.	9.9	58
28	Effect of water content on transparency, swelling, lidocaine diffusion in p-HEMA gels. Journal of Membrane Science, 2006, 269, 35-48.	8.2	55
29	Extended delivery of an anionic drug by contact lens loaded with a cationic surfactant. Biomaterials, 2013, 34, 2814-2821.	11.4	55
30	Ocular transport model for ophthalmic delivery of timolol through p-HEMA contact lenses. Journal of Drug Delivery Science and Technology, 2007, 17, 69-79.	3.0	54
31	A Mathematical Model for Ocular Tear and Solute Balance. Current Eye Research, 2005, 30, 841-854.	1.5	49
32	Therapeutic contact lenses: a patent review. Expert Opinion on Therapeutic Patents, 2015, 25, 1117-1129.	5.0	49
33	Effect of vitamin-E integration on delivery of prostaglandin analogs from therapeutic lenses. Journal of Colloid and Interface Science, 2019, 539, 457-467.	9.4	47
34	Controlled delivery of pirfenidone through vitamin E-loaded contact lens ameliorates corneal inflammation. Drug Delivery and Translational Research, 2018, 8, 1114-1126.	5.8	44
35	Evaluating the potential of drug eluting contact lenses for treatment of bacterial keratitis using an ex vivo corneal model. International Journal of Pharmaceutics, 2019, 565, 499-508.	5.2	41
36	In vitro drug release and in vivo safety of vitamin E and cysteamine loaded contact lenses. International Journal of Pharmaceutics, 2018, 544, 380-391.	5.2	40

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37	Chitosan-Coated PLGA Nanoparticles Encapsulating Triamcinolone Acetonide as a Potential Candidate for Sustained Ocular Drug Delivery. Pharmaceutics, 2021, 13, 1590.	4.5	40
38	A Mathematical Model for Tear Drainage Through the Canaliculi. Current Eye Research, 2005, 30, 621-630.	1.5	39
39	Review of Approaches for Increasing Ophthalmic Bioavailability for Eye Drop Formulations. AAPS PharmSciTech, 2021, 22, 107.	3.3	38
40	lon transport in silicone hydrogel contact lenses. Journal of Membrane Science, 2012, 399-400, 95-105.	8.2	35
41	Temporal and spatial instability of an inviscid compound jet. Rheologica Acta, 1996, 35, 567-583.	2.4	33
42	Interfacial Tension and Surface Elasticity of Carbon Black (CB) Covered Oil–Water Interface. Langmuir, 2014, 30, 12287-12296.	3.5	33
43	Relating emulsion stability to interfacial properties for pharmaceutical emulsions stabilized by Pluronic F68 surfactant. International Journal of Pharmaceutics, 2017, 521, 8-18.	5.2	33
44	Timololâ€imprinted soft contact lenses: Influence of the template: Functional monomer ratio and the hydrogel thickness. Journal of Applied Polymer Science, 2011, 122, 1333-1340.	2.6	32
45	Commercialization challenges for drug eluting contact lenses. Expert Opinion on Drug Delivery, 2020, 17, 1133-1149.	5.0	32
46	Settling and Deformation of a Thin Elastic Shell on a Thin Fluid Layer Lying on a Solid Surface. Journal of Colloid and Interface Science, 2002, 245, 187-197.	9.4	31
47	Parenteral emulsions and liposomes to treat drug overdose. Advanced Drug Delivery Reviews, 2015, 90, 12-23.	13.7	30
48	DNA separation by EFFF in a microchannel. Journal of Colloid and Interface Science, 2005, 285, 834-844.	9.4	29
49	Influence of physical and chemical heterogeneity shape on thin film rupture. Journal of Colloid and Interface Science, 2006, 295, 472-481.	9.4	29
50	Interaction of Cationic Drugs with Liposomes. Langmuir, 2009, 25, 12056-12065.	3.5	29
51	Release of Betaine and Dexpanthenol from Vitamin E Modified Silicone-Hydrogel Contact Lenses. Current Eye Research, 2015, 40, 267-273.	1.5	29
52	Sequestration of amitriptyline by liposomes. Journal of Colloid and Interface Science, 2006, 300, 7-19.	9.4	28
53	Liposome Assay for Evaluating Ocular Toxicity of Surfactants. , 2009, 50, 2727.		28
54	Uptake of amitriptyline and nortriptyline with liposomes, proteins, and serum: Implications for drug detoxification. Journal of Colloid and Interface Science, 2008, 319, 81-93.	9.4	25

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55	Measurement and Modeling of Diffusion Kinetics of a Lipophilic Molecule Across Rabbit Cornea. Pharmaceutical Research, 2010, 27, 699-711.	3.5	25
56	Real-Time Droplet DNA Amplification with a New Tablet Platform. Analytical Chemistry, 2012, 84, 2654-2661.	6.5	25
57	Posterior Segment Ophthalmic Drug Delivery: Role of Muco-Adhesion with a Special Focus on Chitosan. Pharmaceutics, 2021, 13, 1685.	4.5	25
58	Modeling the vertical motion of a soft contact lens. Current Eye Research, 2001, 22, 102-108.	1.5	24
59	The Effect of Water Hydraulic Permeability on the Settling of a Soft Contact Lens on the Eye. Current Eye Research, 2005, 30, 329-336.	1.5	23
60	Tear Dynamics Model. Current Eye Research, 2007, 32, 177-197.	1.5	23
61	Drug transport in HEMA conjunctival inserts containing precipitated drug particles. Journal of Colloid and Interface Science, 2010, 347, 31-42.	9.4	22
62	Hybrid Electrospun Polycaprolactone Mats Consisting of Nanofibers and Microbeads for Extended Release of Dexamethasone. Pharmaceutical Research, 2016, 33, 1509-1516.	3.5	22
63	Incorporation of ultraviolet (UV) absorbing nanoparticles in contact lenses for Class 1 UV blocking. Journal of Materials Chemistry B, 2016, 4, 327-339.	5.8	21
64	An experimental investigation of the convective instability of a jet. Chemical Engineering Science, 2003, 58, 2421-2432.	3.8	20
65	Dispersion in microchannels with temporal temperature variations. Physics of Fluids, 2005, 17, 103607.	4.0	20
66	The absolute instability of an inviscid compound jet. Journal of Fluid Mechanics, 2006, 549, 81.	3.4	20
67	Bupivacaine Binding to Pegylated Liposomes. Anesthesia and Analgesia, 2009, 109, 678-682.	2.2	20
68	Penetration of Fluorescein Across the Rabbit Cornea from the Endothelial Surface. Pharmaceutical Research, 2012, 29, 3325-3334.	3.5	20
69	Molecular modeling of surfactant covered oil-water interfaces: Dynamics, microstructure, and barrier for mass transport. Journal of Chemical Physics, 2008, 128, 234709.	3.0	19
70	Modular and rapid access to amphiphilic homopolymers via successive chemoselective post-polymerization modification. Polymer Chemistry, 2017, 8, 6028-6032.	3.9	19
71	Extended release of dexamethasone from oleogel based rods. Journal of Colloid and Interface Science, 2019, 555, 331-341.	9.4	19
72	Extended Release of Timolol from Nanoparticle-Loaded Fornix Insert for Glaucoma Therapy. Journal of Ocular Pharmacology and Therapeutics, 2013, 29, 229-235.	1.4	18

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73	A Physiologically Based Pharmacokinetic (PBPK) Model for Predicting the Efficacy of Drug Overdose Treatment With Liposomes in Man. Journal of Pharmaceutical Sciences, 2010, 99, 3601-3619.	3.3	17
74	Comparison of Intravenous Lipid Emulsion, Bicarbonate, and Tailored Liposomes in Rabbit Clomipramine Toxicity. Academic Emergency Medicine, 2013, 20, 1076-1079.	1.8	17
75	Incorporation of drug particles for extended release of Cyclosporine A from poly-hydroxyethyl methacrylate hydrogels. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 120, 73-79.	4.3	17
76	A Physiologically-Based Pharmacokinetic Model of Drug Detoxification by Nanoparticles. Journal of Pharmacokinetics and Pharmacodynamics, 2004, 31, 381-400.	1.8	16
77	Molecular Transport through Surfactant-Covered Oilâ^'Water Interfaces: Role of Physical Properties of Solutes and Surfactants in Creating Energy Barriers for Transport. Langmuir, 2011, 27, 2420-2436.	3.5	16
78	Drug delivery to the eye anterior chamber by intraocular lenses: An in vivo concentration estimation model. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 133, 63-69.	4.3	16
79	In vitro release of hydrophobic drugs by oleogel rods with biocompatible gelators. European Journal of Pharmaceutical Sciences, 2020, 152, 105413.	4.0	16
80	Aqueous salt transport through soft contact lenses: An osmotic-withdrawal mechanism for prevention of adherence. Contact Lens and Anterior Eye, 2012, 35, 260-265.	1.7	15
81	Effect of the surface layer on drug release from delefilcon-A (Dailies Total1®) contact lenses. International Journal of Pharmaceutics, 2017, 529, 89-101.	5.2	15
82	Poly (Vinyl Alcohol) Assisted Synthesis and Anti-Solvent Precipitation of Gold Nanoparticles. Nanomaterials, 2020, 10, 2359.	4.1	15
83	The Role of Fenestrations and Channels on the Transverse Motion of a Soft Contact Lens. Optometry and Vision Science, 2001, 78, 732-743.	1.2	14
84	Improving wettability and lubricity of commercial contact lenses by polymerizing a thin film of dimethylacryamide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 583, 123974.	4.7	14
85	Lysozyme transport in p-HEMA hydrogel contact lenses. Journal of Colloid and Interface Science, 2012, 386, 441-450.	9.4	13
86	Dynamic interfacial tension and dilational rheology of dispersant Corexit 9500. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 497, 352-361.	4.7	13
87	Contact Lens Based Drug Delivery to the Posterior Segment Via Iontophoresis in Cadaver Rabbit Eyes. Pharmaceutical Research, 2019, 36, 87.	3.5	13
88	A Sorption-Kinetic Model for Surfactant-Driven Spreading of Aqueous Drops on Insoluble Liquid Substrates. Journal of Colloid and Interface Science, 2000, 222, 221-232.	9.4	12
89	Dynamic Mechanical Properties of Porcine Lacrimal Canaliculus. Current Eye Research, 2007, 32, 829-835.	1.5	12
90	Electrophoretic migration of proteins in semidilute polymer solutions. Electrophoresis, 2008, 29, 1152-1163.	2.4	12

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91	Molecular transport across fluid interfaces: Coupling between solute dynamics and interface fluctuations. Physical Review E, 2008, 78, 041605.	2.1	12
92	Ophthalmic drug delivery by contact lenses. Expert Review of Ophthalmology, 2012, 7, 199-201.	0.6	12
93	Incorporation of polymerizable surfactants in hydroxyethyl methacrylate lenses for improving wettability and lubricity. Journal of Colloid and Interface Science, 2015, 445, 60-68.	9.4	12
94	Kinetically stable propofol emulsions with reduced free drug concentration for intravenous delivery. International Journal of Pharmaceutics, 2015, 486, 232-241.	5.2	12
95	Interfacial effects and emulsion stabilization by in situ surfactant generation through the saponification of esters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 504, 458-470.	4.7	12
96	Optimization of intraocular lens hydrogels for dual drug release: Experimentation and modelling. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 141, 51-57.	4.3	12
97	Amitriptyline overdose treatment by pegylated anionic liposomes. Journal of Colloid and Interface Science, 2008, 324, 61-70.	9.4	11
98	Taylor dispersion in polymerase chain reaction in a microchannel. Physics of Fluids, 2008, 20, .	4.0	11
99	Multidose Preservative Free Eyedrops by Selective Removal of Benzalkonium Chloride from Ocular Formulations. Pharmaceutical Research, 2017, 34, 2862-2872.	3.5	11
100	Current and Emerging Detoxification Therapies for Critical Care. Materials, 2010, 3, 2483-2505.	2.9	10
101	Asymmetry in Drug Permeability through the Cornea. Pharmaceutics, 2021, 13, 694.	4.5	10
102	Importance of Taylor dispersion in pharmacokinetic and multiple indicator dilution modelling. Mathematical Medicine and Biology, 2009, 26, 263-296.	1.2	9
103	Dilution of proteinâ€surfactant complexes: A fluorescence study. Protein Science, 2013, 22, 1258-1265.	7.6	9
104	Rapid dissolution of propofol emulsions under sink conditions. International Journal of Pharmaceutics, 2015, 481, 47-55.	5.2	9
105	Pigmented contact lenses for managing ocular disorders. International Journal of Pharmaceutics, 2019, 555, 184-197.	5.2	9
106	Gold nanoparticle synthesis in contact lenses for drug-less ocular cystinosis treatment. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 165, 271-278.	4.3	9
107	Gold nanoparticles-loaded contact lenses for laser protection and Meibomian Gland Dysfunction (MGD) dry eye treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 635, 128053.	4.7	9
108	Taylor dispersion in cyclic electric field-flow fractionation. Physics of Fluids, 2006, 18, 067105.	4.0	8

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109	Binding of Imipramine, Dosulepin, and Opipramol to Liposomes for Overdose Treatment. Journal of Pharmaceutical Sciences, 2009, 98, 3718-3729.	3.3	7
110	Are contact lenses the solution for effective ophthalmic drug delivery?. Future Medicinal Chemistry, 2012, 4, 2141-2143.	2.3	7
111	Taylor dispersion in oscillatory flow in rectangular channels. Chemical Engineering Science, 2014, 117, 183-197.	3.8	7
112	Expert Views on Innovative Future Uses for Contact Lenses. Optometry and Vision Science, 2016, 93, 328-335.	1.2	7
113	Novel approaches for improving stability of cysteamine formulations. International Journal of Pharmaceutics, 2018, 549, 466-475.	5.2	7
114	Interfacial polymerization of a thin film on contact lenses for improving lubricity. Journal of Colloid and Interface Science, 2020, 571, 356-367.	9.4	7
115	Ophthalmic delivery of hydrophilic drugs through drug-loaded oleogels. European Journal of Pharmaceutical Sciences, 2021, 158, 105634.	4.0	7
116	Separation of charged colloids by a combination of pulsating lateral electric fields and poiseuille flow in a 2D channel. Journal of Colloid and Interface Science, 2005, 282, 212-222.	9.4	6
117	Potential role of stromal collagen in cystine crystallization in cystinosis patients. International Journal of Pharmaceutics, 2018, 551, 232-240.	5.2	6
118	Delivery of ionic molecules to anterior chamber by iontophoretic contact lenses. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 140, 40-49.	4.3	6
119	Combining modeling of drug uptake and release of cyclosporine in contact lenses to determine partition coefficient and diffusivity. European Journal of Pharmaceutical Sciences, 2021, 164, 105891.	4.0	6
120	Propofol emulsion-free drug concentration is similar between batches and stable over time. Romanian Journal of Anaesthesia and Intensive Care, 2016, 23, 7-11.	0.3	6
121	Dispersion in core-annular flow with a solid annulus. AICHE Journal, 2005, 51, 2415-2427.	3.6	5
122	"Micro to macro (M2M)â€â€"A novel approach for intravenous delivery of propofol. International Journal of Pharmaceutics, 2015, 494, 218-226.	5.2	5
123	Carbon Black Tinted Contact Lenses for Reduction of Photophobia in Cystinosis Patients. Current Eye Research, 2019, 44, 497-504.	1.5	5
124	Transport of Vitamin E from Ethanol/Water Solution into Contact Lenses and Impact on Drug Transport. Journal of Ocular Pharmacology and Therapeutics, 2022, , .	1.4	5
125	A Mathematical Model of Tear Mixing under the Lower Lid. Current Eye Research, 2007, 32, 1023-1035.	1.5	4
126	Electrochemical response and separation in cyclic electric field-flow fractionation. Electrophoresis, 2007, 28, 724-739.	2.4	4

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127	Interaction of Ionic Surfactants with Cornea-Mimicking Anionic Liposomes. Langmuir, 2011, 27, 10840-10846.	3.5	4
128	Aggregation and transport of Brij surfactants in hydroxyethyl methacrylate hydrogels. Journal of Colloid and Interface Science, 2013, 407, 390-396.	9.4	4
129	Rapid and selective removal of preservative from ophthalmic formulations during eyedrops instillation. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 30-38.	4.3	4
130	Reversal of lipophilic weak bases using pH gradient acidic centre liposomes: demonstration of effect in dabigatran-induced anticoagulation. Clinical Toxicology, 2016, 54, 428-433.	1.9	4
131	Spectroscopy of Oxygen-Sensitive Material for Measuring Contact Lens Oxygen Transmissibility. Current Eye Research, 2019, 44, 514-521.	1.5	4
132	An ex vivo cornea infection model. MethodsX, 2020, 7, 100876.	1.6	4
133	Nanoparticleâ€loaded <scp>UV</scp> â€blocking contact lenses. Journal of Applied Polymer Science, 2015, 132, .	2.6	3
134	Broad spectrum UV protection by crystalline organic microrod sunscreens. International Journal of Pharmaceutics, 2015, 489, 30-44.	5.2	3
135	Transport of polymers in contact lenses and impact on lubricity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125123.	4.7	3
136	COMMENT ON: a new look at lubrication of the ocular surface—fluid mechanics behind the blinking eyelids. Ocular Surface, 2008, 6, 152-153.	4.4	2
137	Photoprotection and Extended Drug Delivery by UV Blocking Contact Lenses. Optometry and Vision Science, 2016, 93, 395-403.	1.2	2
138	In vitro and ex vivo implantation of cystine crystals and treatment by contact lens. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 562, 229-236.	4.7	1
139	Disruption of tear film and blink dynamics. , 2010, , 123-130.		1
140	Liposomal binding of imipramine in human red cell/albumin solution with simulated plasmapharesis. Journal of Pharmaceutical Technology & Drug Research, 2013, 2, 8.	1.0	1
141	Response of Drs. Radke and Chauhan. Ocular Surface, 2008, 6, 154.	4.4	0
142	Outstanding Reviewers of 2011. Pharmaceutical Research, 2012, 29, 901-901.	3.5	0
143	Drug-Loaded Microbeads Sandwiched Between Nanofiber Layers for Extended Linear Release. , 2020, , .		0