

Arto Urtti

List of Publications by Year in descending order

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216
papers

11,689
citations

25014

57
h-index

37183

96
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231
all docs

231
docs citations

231
times ranked

11484
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of prolyl oligopeptidase: A promising pathway to prevent the progression of age-related macular degeneration. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112501.	2.5	3
2	Ocular metabolism and distribution of drugs in the rabbit eye: Quantitative assessment after intracameral and intravitreal administrations. <i>International Journal of Pharmaceutics</i> , 2022, 613, 121361.	2.6	14
3	Understanding dexamethasone kinetics in the rabbit tear fluid: Drug release and clearance from solution, suspension and hydrogel formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 172, 53-60.	2.0	13
4	Topical pharmacokinetics of dexamethasone suspensions in the rabbit eye: Bioavailability comparison. <i>International Journal of Pharmaceutics</i> , 2022, 615, 121515.	2.6	7
5	The Effect of Microbubble-Assisted Ultrasound on Molecular Permeability across Cell Barriers. <i>Pharmaceutics</i> , 2022, 14, 494.	2.0	6
6	5-(Sulfamoyl)thien-2-yl 1,3-oxazole inhibitors of carbonic anhydrase II with hydrophilic periphery. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1005-1011.	2.5	2
7	Pharmacoproteomics of Brain Barrier Transporters and Substrate Design for the Brain Targeted Drug Delivery. <i>Pharmaceutical Research</i> , 2022, 39, 1363-1392.	1.7	19
8	Liposomal sunitinib for ocular drug delivery: A potential treatment for choroidal neovascularization. <i>International Journal of Pharmaceutics</i> , 2022, 620, 121725.	2.6	19
9	Pharmacokinetics of Pullulan-Dexamethasone Conjugates in Retinal Drug Delivery. <i>Pharmaceutics</i> , 2022, 14, 12.	2.0	11
10	Imaging, quantitation and kinetic modelling of intravitreal nanomaterials. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121800.	2.6	12
11	Mechanisms of cellular retention of melanin bound drugs: Experiments and computational modeling. <i>Journal of Controlled Release</i> , 2022, 348, 760-770.	4.8	7
12	Swarms of chemically modified antiviral siRNA targeting herpes simplex virus infection in human corneal epithelial cells. <i>PLoS Pathogens</i> , 2022, 18, e1010688.	2.1	7
13	Quantitative pharmacokinetic analyses of anterior and posterior elimination routes of intravitreal anti-VEGF macromolecules using published human and rabbit data. <i>Experimental Eye Research</i> , 2022, 222, 109162.	1.2	4
14	Exploring the Impact of Morphology on the Properties of Biodegradable Nanoparticles and Their Diffusion in Complex Biological Medium. <i>Biomacromolecules</i> , 2021, 22, 126-133.	2.6	80
15	Diffusion and Protein Corona Formation of Lipid-Based Nanoparticles in the Vitreous Humor: Profiling and Pharmacokinetic Considerations. <i>Molecular Pharmaceutics</i> , 2021, 18, 699-713.	2.3	32
16	Comprehensive Ocular and Systemic Pharmacokinetics of Brinzolamide in Rabbits After Intracameral, Topical, and Intravenous Administration. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 529-535.	1.6	12
17	Carboxylesterase Activities and Protein Expression in Rabbit and Pig Ocular Tissues. <i>Molecular Pharmaceutics</i> , 2021, 18, 1305-1316.	2.3	11
18	Intravitreal Polymeric Nanocarriers with Long Ocular Retention and Targeted Delivery to the Retina and Optic Nerve Head Region. <i>Pharmaceutics</i> , 2021, 13, 445.	2.0	26

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19	Biopharmaceutics of Topical Ophthalmic Suspensions: Importance of Viscosity and Particle Size in Ocular Absorption of Indomethacin. <i>Pharmaceutics</i> , 2021, 13, 452.	2.0	30
20	Pharmacokinetics of intravitreal macromolecules: Scaling between rats and rabbits. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 159, 105720.	1.9	11
21	Partitioning and Spatial Distribution of Drugs in Ocular Surface Tissues. <i>Pharmaceutics</i> , 2021, 13, 658.	2.0	8
22	Pullulan Based Bioconjugates for Ocular Dexamethasone Delivery. <i>Pharmaceutics</i> , 2021, 13, 791.	2.0	11
23	Cowpea Chlorotic Mottle Virus-Like Particles as Potential Platform for Antisense Oligonucleotide Delivery in Posterior Segment Ocular Diseases. <i>Macromolecular Bioscience</i> , 2021, 21, 2100095.	2.1	5
24	Screening of chemical linkers for development of pullulan bioconjugates for intravitreal ocular applications. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 161, 105785.	1.9	9
25	New In Vitro-In Silico Approach for the Prediction of In Vivo Performance of Drug Combinations. <i>Molecules</i> , 2021, 26, 4257.	1.7	9
26	Oxidative Stress and Mitochondrial Damage in Dry Age-Related Macular Degeneration Like NFE2L2/PGC-1 α -/- Mouse Model Evoke Complement Component C5a Independent of C3. <i>Biology</i> , 2021, 10, 622.	1.3	4
27	Conformationally Constrained Peptides with High Affinity to the Vascular Endothelial Growth Factor. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10900-10907.	2.9	5
28	Peptide Inhibitors of Vascular Endothelial Growth Factor A: Current Situation and Perspectives. <i>Pharmaceutics</i> , 2021, 13, 1337.	2.0	14
29	Mucoadhesive properties of nanogels based on stimuli-sensitive glycosaminoglycan-graft-pNIPAAm copolymers. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 864-872.	3.6	17
30	Ocular pharmacokinetics of atenolol, timolol and betaxolol cocktail: Tissue exposures in the rabbit eye. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 166, 155-162.	2.0	16
31	Statins for the prevention of proliferative vitreoretinopathy: cellular responses in cultured cells and clinical statin concentrations in the vitreous. <i>Scientific Reports</i> , 2021, 11, 980.	1.6	8
32	Magnetically Assisted Drug Delivery of Topical Eye Drops Maintains Retinal Function In Vivo in Mice. <i>Pharmaceutics</i> , 2021, 13, 1650.	2.0	5
33	Ultrasound and Microbubbles for the Treatment of Ocular Diseases: From Preclinical Research towards Clinical Application. <i>Pharmaceutics</i> , 2021, 13, 1782.	2.0	10
34	Retinal neuroprotection by controlled release of a VCP inhibitor from self-assembled nanoparticles. <i>Journal of Controlled Release</i> , 2021, 339, 307-320.	4.8	11
35	Electrical synapses interconnecting axons revealed in the optic nerve head – a novel model of gap junctions™ involvement in optic nerve function. <i>Acta Ophthalmologica</i> , 2020, 98, 408-417.	0.6	15
36	<i>In situ</i> analysis of liposome hard and soft protein corona structure and composition in a single label-free workflow. <i>Nanoscale</i> , 2020, 12, 1728-1741.	2.8	46

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37	Amphiphilic Polypeptides for VEGF siRNA Delivery into Retinal Epithelial Cells. <i>Pharmaceutics</i> , 2020, 12, 39.	2.0	23
38	Polysaccharides in Ocular Drug Delivery. <i>Pharmaceutics</i> , 2020, 12, 22.	2.0	92
39	Ocular Intracameral Pharmacokinetics for a Cocktail of Timolol, Betaxolol, and Atenolol in Rabbits. <i>Molecular Pharmaceutics</i> , 2020, 17, 588-594.	2.3	7
40	Release of functional dexamethasone by intracellular enzymes: A modular peptide-based strategy for ocular drug delivery. <i>Journal of Controlled Release</i> , 2020, 327, 584-594.	4.8	22
41	Topical ocular pharmacokinetics and bioavailability for a cocktail of atenolol, timolol and betaxolol in rabbits. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 155, 105553.	1.9	19
42	Intravitreal hydrogels for sustained release of therapeutic proteins. <i>Journal of Controlled Release</i> , 2020, 326, 419-441.	4.8	76
43	Avoiding the Pitfalls of siRNA Delivery to the Retinal Pigment Epithelium with Physiologically Relevant Cell Models. <i>Pharmaceutics</i> , 2020, 12, 667.	2.0	6
44	Influence of Cell Membrane Wrapping on the Cell-Porous Silicon Nanoparticle Interactions. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000529.	3.9	11
45	Extended Pharmacokinetic Model of the Intravitreal Injections of Macromolecules in Rabbits. Part 2: Parameter Estimation Based on Concentration Dynamics in the Vitreous, Retina, and Aqueous Humor. <i>Pharmaceutical Research</i> , 2020, 37, 226.	1.7	10
46	Ocular barriers to retinal delivery of intravitreal liposomes: Impact of vitreoretinal interface. <i>Journal of Controlled Release</i> , 2020, 328, 952-961.	4.8	49
47	Light-Activated Liposomes Coated with Hyaluronic Acid as a Potential Drug Delivery System. <i>Pharmaceutics</i> , 2020, 12, 763.	2.0	29
48	Microflow-Based Device for In Vitro and Ex Vivo Drug Permeability Studies. <i>SLAS Technology</i> , 2020, 25, 455-462.	1.0	1
49	The effect of prolyl oligopeptidase inhibitors on alpha-synuclein aggregation and autophagy cannot be predicted by their inhibitory efficacy. <i>Biomedicine and Pharmacotherapy</i> , 2020, 128, 110253.	2.5	17
50	Microscale Thermophoresis as a Screening Tool to Predict Melanin Binding of Drugs. <i>Pharmaceutics</i> , 2020, 12, 554.	2.0	17
51	Mitophagy in the Retinal Pigment Epithelium of Dry Age-Related Macular Degeneration Investigated in the NFE2L2/PGC-1 α ^{-/-} Mouse Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1976.	1.8	31
52	Hexosome engineering for targeting of regional lymph nodes. <i>Materials</i> , 2020, 11, 100705.	1.3	17
53	Characterization, Stability, and In Vivo Efficacy Studies of Recombinant Human CNTF and Its Permeation into the Neural Retina in Ex Vivo Organotypic Retinal Explant Culture Models. <i>Pharmaceutics</i> , 2020, 12, 611.	2.0	8
54	Design and synthesis of lipid-mimetic cationic iridium complexes and their liposomal formulation for in vitro and in vivo application in luminescent bioimaging. <i>RSC Advances</i> , 2020, 10, 14431-14440.	1.7	6

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55	Prodrug Approach for Posterior Eye Drug Delivery: Synthesis of Novel Ganciclovir Prodrugs and in Vitro Screening with Cassette Dosing. <i>Molecular Pharmaceutics</i> , 2020, 17, 1945-1953.	2.3	5
56	Role of retinal pigment epithelium permeability in drug transfer between posterior eye segment and systemic blood circulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 143, 18-23.	2.0	27
57	Retinal Pigment Epithelial Cell Line with Fast Differentiation and Improved Barrier Properties. <i>Pharmaceutics</i> , 2019, 11, 412.	2.0	11
58	Intravitreal Pharmacokinetics in Mice: SPECT/CT Imaging and Scaling to Rabbits and Humans. <i>Molecular Pharmaceutics</i> , 2019, 16, 4399-4404.	2.3	17
59	Electron dispersive X-ray spectroscopy and degradation properties of hyaluronic acid decorated microparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 896-901.	2.5	8
60	Distribution of Small Molecular Weight Drugs into the Porcine Lens: Studies on Imaging Mass Spectrometry, Partition Coefficients, and Implications in Ocular Pharmacokinetics. <i>Molecular Pharmaceutics</i> , 2019, 16, 3968-3976.	2.3	20
61	Establishment of an In Vitro-In Vivo Correlation for Melanin Binding and the Extension of the Ocular Half-Life of Small-Molecule Drugs. <i>Molecular Pharmaceutics</i> , 2019, 16, 4890-4901.	2.3	23
62	Highly hydrophilic 1,3-oxazol-5-yl benzenesulfonamide inhibitors of carbonic anhydrase II for reduction of glaucoma-related intraocular pressure. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115086.	1.4	10
63	Characterization of artificially re-pigmented ARPE-19 retinal pigment epithelial cell model. <i>Scientific Reports</i> , 2019, 9, 13761.	1.6	26
64	Enhanced Delivery of 4-Thioureidoiminomethylpyridinium Perchlorate in Tuberculosis Models with IgG Functionalized Poly(Lactic Acid)-Based Particles. <i>Pharmaceutics</i> , 2019, 11, 2.	2.0	20
65	CD44 aptamer mediated cargo delivery to lysosomes of retinal pigment epithelial cells to prevent age-related macular degeneration. <i>Biochemistry and Biophysics Reports</i> , 2019, 18, 100642.	0.7	11
66	Exploring Light-Sensitive Nanocarriers for Simultaneous Triggered Antibiotic Release and Disruption of Biofilms Upon Generation of Laser-Induced Vapor Nanobubbles. <i>Pharmaceutics</i> , 2019, 11, 201.	2.0	26
67	Exploring the mucoadhesive behavior of sucrose acetate isobutyrate: a novel excipient for oral delivery of biopharmaceuticals. <i>Drug Delivery</i> , 2019, 26, 532-541.	2.5	9
68	Influence of Melanin Characteristics on Drug Binding Properties. <i>Molecular Pharmaceutics</i> , 2019, 16, 2549-2556.	2.3	21
69	Comment on "Topical Delivery of Avastin to the Posterior Segment of the Eye In Vivo Using Annexin A5-Associated Liposomes": Topical Liposomal Bevacizumab Results in Negligible Retinal Concentrations. <i>Small</i> , 2019, 15, 1805199.	5.2	8
70	Characterization of CDFN-Secreting ARPE-19 Cell Clones for Encapsulated Cell Therapy. <i>Cell Transplantation</i> , 2019, 28, 413-424.	1.2	11
71	Light-Triggered Cellular Delivery of Oligonucleotides. <i>Pharmaceutics</i> , 2019, 11, 90.	2.0	18
72	Design principles of ocular drug delivery systems: importance of drug payload, release rate, and material properties. <i>Drug Discovery Today</i> , 2019, 24, 1446-1457.	3.2	124

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73	Retinal bioavailability of liposomal minocycline after sub-conjunctival administration is low. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 427.	1.7	0
74	Artificially cloaked viral nanovaccine for cancer immunotherapy. <i>Nature Communications</i> , 2019, 10, 5747.	5.8	86
75	Quantitative Protein Expression in the Human Retinal Pigment Epithelium: Comparison Between Apical and Basolateral Plasma Membranes With Emphasis on Transporters. , 2019, 60, 5022.		18
76	Modified cells as potential ocular drug delivery systems. <i>Drug Discovery Today</i> , 2019, 24, 1621-1626.	3.2	1
77	Pharmacokinetic Simulations of Intravitreal Biologicals: Aspects of Drug Delivery to the Posterior and Anterior Segments. <i>Pharmaceutics</i> , 2019, 11, 9.	2.0	27
78	Loss of NRF-2 and PGC-1 β genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019, 20, 1-12.	3.9	117
79	Corneal and conjunctival drug permeability: Systematic comparison and pharmacokinetic impact in the eye. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 83-89.	1.9	85
80	Binding of Small Molecule Drugs to Porcine Vitreous Humor. <i>Molecular Pharmaceutics</i> , 2018, 15, 2174-2179.	2.3	16
81	Implications of melanin binding in ocular drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2018, 126, 23-43.	6.6	80
82	Hyaluronic Acid Graft Copolymers with Cleavable Arms as Potential Intravitreal Drug Delivery Vehicles. <i>Macromolecular Bioscience</i> , 2018, 18, 1700200.	2.1	3
83	Expression, activity and pharmacokinetic impact of ocular transporters. <i>Advanced Drug Delivery Reviews</i> , 2018, 126, 3-22.	6.6	42
84	Increased intraocular pressure alters the cellular distribution of HuR protein in retinal ganglion cells – A possible sign of endogenous neuroprotection failure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 296-306.	1.8	10
85	Understanding Molecular Drivers of Melanin Binding To Support Rational Design of Small Molecule Ophthalmic Drugs. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10106-10115.	2.9	25
86	Cisplatin Encapsulation Generates Morphologically Different Multicompartment in the Internal Nanostructures of Nonlamellar Liquid-Crystalline Self-Assemblies. <i>Langmuir</i> , 2018, 34, 6570-6581.	1.6	33
87	The effect of light sensitizer localization on the stability of indocyanine green liposomes. <i>Journal of Controlled Release</i> , 2018, 284, 213-223.	4.8	43
88	Esterase activity in porcine and albino rabbit ocular tissues. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 106-110.	1.9	27
89	Accelerated pharmaceutical protein development with integrated cell free expression, purification, and bioconjugation. <i>Scientific Reports</i> , 2018, 8, 11967.	1.6	6
90	Extended Pharmacokinetic Model of the Rabbit Eye for Intravitreal and Intracameral Injections of Macromolecules: Quantitative Analysis of Anterior and Posterior Elimination Pathways. <i>Pharmaceutical Research</i> , 2018, 35, 153.	1.7	26

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91	Melanin targeting for intracellular drug delivery: Quantification of bound and free drug in retinal pigment epithelial cells. <i>Journal of Controlled Release</i> , 2018, 283, 261-268.	4.8	27
92	LC-MS/MS Based Quantitation of ABC and SLC Transporter Proteins in Plasma Membranes of Cultured Primary Human Retinal Pigment Epithelium Cells and Immortalized ARPE19 Cell Line. <i>Molecular Pharmaceutics</i> , 2017, 14, 605-613.	2.3	45
93	Differentially cleaving peptides as a strategy for controlled drug release in human retinal pigment epithelial cells. <i>Journal of Controlled Release</i> , 2017, 251, 37-48.	4.8	16
94	Impact of Chemical Structure on Conjunctival Drug Permeability: Adopting Porcine Conjunctiva and Cassette Dosing for Construction of In Silico Model. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2463-2471.	1.6	37
95	Pharmacokinetic aspects of retinal drug delivery. <i>Progress in Retinal and Eye Research</i> , 2017, 57, 134-185.	7.3	454
96	Inner Blood-Retinal Barrier Dominantly Expresses Breast Cancer Resistance Protein: Comparative Quantitative Targeted Absolute Proteomics Study of CNS Barriers in Pig. <i>Molecular Pharmaceutics</i> , 2017, 14, 3729-3738.	2.3	26
97	Melanin binding study of clinical drugs with cassette dosing and rapid equilibrium dialysis inserts. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 162-168.	1.9	30
98	Time-Resolved Fluorescence Spectroscopy Reveals Fine Structure and Dynamics of Poly(L-lysine) and Polyethylenimine Based DNA Polyplexes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10782-10792.	1.2	4
99	Multi-parametric surface plasmon resonance platform for studying liposome-serum interactions and protein corona formation. <i>Drug Delivery and Translational Research</i> , 2017, 7, 228-240.	3.0	37
100	Nanofibrillar cellulose-alginate hydrogel coated surgical sutures as cell-carrier systems. <i>PLoS ONE</i> , 2017, 12, e0183487.	1.1	26
101	Isolation of Intact and Functional Melanosomes from the Retinal Pigment Epithelium. <i>PLoS ONE</i> , 2016, 11, e0160352.	1.1	17
102	Olaparib significantly delays photoreceptor loss in a model for hereditary retinal degeneration. <i>Scientific Reports</i> , 2016, 6, 39537.	1.6	45
103	Photothermally Triggered Lipid Bilayer Phase Transition and Drug Release from Gold Nanorod and Indocyanine Green Encapsulated Liposomes. <i>Langmuir</i> , 2016, 32, 4554-4563.	1.6	31
104	Indocyanine Green-Loaded Liposomes for Light-Triggered Drug Release. <i>Molecular Pharmaceutics</i> , 2016, 13, 2095-2107.	2.3	102
105	Human corneal cell culture models for drug toxicity studies. <i>Drug Delivery and Translational Research</i> , 2016, 6, 660-675.	3.0	54
106	Light activated liposomes: Functionality and prospects in ocular drug delivery. <i>Journal of Controlled Release</i> , 2016, 244, 157-166.	4.8	78
107	Laminin-511 and laminin-521-based matrices for efficient hepatic specification of human pluripotent stem cells. <i>Biomaterials</i> , 2016, 103, 86-100.	5.7	60
108	HDAC inhibition in the <i>cpfl1</i> mouse protects degenerating cone photoreceptors <i>in vivo</i> . <i>Human Molecular Genetics</i> , 2016, 25, ddw275.	1.4	39

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109	General Pharmacokinetic Model for Topically Administered Ocular Drug Dosage Forms. <i>Pharmaceutical Research</i> , 2016, 33, 2680-2690.	1.7	17
110	Interpretation of Ocular Melanin Drug Binding Assays. Alternatives to the Model of Multiple Classes of Independent Sites. <i>Molecular Pharmaceutics</i> , 2016, 13, 1251-1257.	2.3	14
111	Drug Distribution to Retinal Pigment Epithelium: Studies on Melanin Binding, Cellular Kinetics, and Single Photon Emission Computed Tomography/Computed Tomography Imaging. <i>Molecular Pharmaceutics</i> , 2016, 13, 2977-2986.	2.3	36
112	Hepatic differentiation of human pluripotent stem cells on human liver progenitor HepaRG-derived acellular matrix. <i>Experimental Cell Research</i> , 2016, 341, 207-217.	1.2	23
113	Intracellular PK/PD Relationships of Free and Liposomal Doxorubicin: Quantitative Analyses and PK/PD Modeling. <i>Molecular Pharmaceutics</i> , 2016, 13, 1358-1365.	2.3	27
114	Prediction of Ocular Drug Distribution from Systemic Blood Circulation. <i>Molecular Pharmaceutics</i> , 2016, 13, 2906-2911.	2.3	39
115	Oncolytic adenoviruses coated with MHC-I tumor epitopes increase the antitumor immunity and efficacy against melanoma. <i>Oncolmunology</i> , 2016, 5, e1105429.	2.1	70
116	Detection of Phase Transition in Photosensitive Liposomes by Advanced QCM. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21395-21403.	1.5	14
117	Modulatory Effect of Human Plasma on the Internal Nanostructure and Size Characteristics of Liquid-Crystalline Nanocarriers. <i>Langmuir</i> , 2015, 31, 5042-5049.	1.6	59
118	Undefined role of mucus as a barrier in ocular drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 442-446.	2.0	78
119	Intravitreal clearance and volume of distribution of compounds in rabbits: In silico prediction and pharmacokinetic simulations for drug development. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 215-226.	2.0	108
120	Light induced cytosolic drug delivery from liposomes with gold nanoparticles. <i>Journal of Controlled Release</i> , 2015, 203, 85-98.	4.8	113
121	Novel biodegradable polyesteramide microspheres for controlled drug delivery in Ophthalmology. <i>Journal of Controlled Release</i> , 2015, 211, 105-117.	4.8	85
122	Exploring the structure-activity relationships of ABCC2 modulators using a screening approach. <i>Biorganic and Medicinal Chemistry</i> , 2015, 23, 3513-3525.	1.4	15
123	Oxidative Stress Protection by Exogenous Delivery of rhHsp70 Chaperone to the Retinal Pigment Epithelium (RPE), a Possible Therapeutic Strategy Against RPE Degeneration. <i>Pharmaceutical Research</i> , 2015, 32, 211-221.	1.7	43
124	Rabbit as an animal model for intravitreal pharmacokinetics: Clinical predictability and quality of the published data. <i>Experimental Eye Research</i> , 2015, 137, 111-124.	1.2	167
125	Encapsulated cells for long-term secretion of soluble VEGF receptor 1: Material optimization and simulation of ocular drug response. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 387-397.	2.0	19
126	Breath figure templated semifluorinated block copolymers with tunable surface properties and binding capabilities. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	8

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127	High-throughput in vitro drug release and pharmacokinetic simulation as a tool for drug delivery system development: Application to intravitreal ocular administration. <i>International Journal of Pharmaceutics</i> , 2014, 477, 469-475.	2.6	9
128	Technetium-99m-labeled nanofibrillar cellulose hydrogel for in vivo drug release. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 65, 79-88.	1.9	60
129	A critical assessment of in vitro tissue models for ADME and drug delivery. <i>Journal of Controlled Release</i> , 2014, 190, 94-114.	4.8	32
130	SPECT/CT imaging of radiolabeled cubosomes and hexosomes for potential theranostic applications. <i>Biomaterials</i> , 2013, 34, 8491-8503.	5.7	71
131	Nanostructured aqueous dispersions of citrem interacting with lipids and PEGylated lipids. <i>RSC Advances</i> , 2013, 3, 24576.	1.7	23
132	Characterization of reducible peptide oligomers as carriers for gene delivery. <i>International Journal of Pharmaceutics</i> , 2013, 441, 736-747.	2.6	28
133	Independent versus Cooperative Binding in Polyethylenimine-DNA and Poly(L-lysine)-DNA Polyplexes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10405-10413.	1.2	29
134	Prediction of the Vitreal Half-Life of Small Molecular Drug-Like Compounds. <i>Pharmaceutical Research</i> , 2012, 29, 3302-3311.	1.7	28
135	Generation of hESC-derived retinal pigment epithelium on biopolymer coated polyimide membranes. <i>Biomaterials</i> , 2012, 33, 8047-8054.	5.7	71
136	Characterization of Oil-Free and Oil-Loaded Liquid-Crystalline Particles Stabilized by Negatively Charged Stabilizer Citrem. <i>Langmuir</i> , 2012, 28, 11755-11766.	1.6	39
137	Pre-Targeting and Direct Immunotargeting of Liposomal Drug Carriers to Ovarian Carcinoma. <i>PLoS ONE</i> , 2012, 7, e41410.	1.1	50
138	Analysis of cause of failure of new targeting peptide in PEGylated liposome: Molecular modeling as rational design tool for nanomedicine. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 121-130.	1.9	58
139	Impact of probe compound in MRP2 vesicular transport assays. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 100-105.	1.9	30
140	Organotypic cell cultures and two-photon imaging: Tools for in vitro and in vivo assessment of percutaneous drug delivery and skin toxicity. <i>Journal of Controlled Release</i> , 2012, 161, 656-667.	4.8	28
141	Role of Polyplex Intermediate Species on Gene Transfer Efficiency: Polyethylenimine-DNA Complexes and Time-Resolved Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1895-1902.	1.2	33
142	Study of PEGylated Lipid Layers as a Model for PEGylated Liposome Surfaces: Molecular Dynamics Simulation and Langmuir Monolayer Studies. <i>Langmuir</i> , 2011, 27, 7788-7798.	1.6	95
143	Mechanisms of polyethylenimine-mediated DNA delivery: free carrier helps to overcome the barrier of cell surface glycosaminoglycans. <i>Journal of Gene Medicine</i> , 2011, 13, 402-409.	1.4	43
144	Prediction of the Corneal Permeability of Drug-Like Compounds. <i>Pharmaceutical Research</i> , 2010, 27, 1398-1407.	1.7	46

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145	Gold-embedded photosensitive liposomes for drug delivery: Triggering mechanism and intracellular release. <i>Journal of Controlled Release</i> , 2010, 147, 136-143.	4.8	140
146	Barrier analysis of periocular drug delivery to the posterior segment. <i>Journal of Controlled Release</i> , 2010, 148, 42-48.	4.8	130
147	Filter-cultured ARPE-19 cells as outer blood-retinal barrier model. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 40, 289-296.	1.9	59
148	Effluxing ABC transporters in human corneal epithelium. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 1087-1098.	1.6	53
149	Paracellular Porosity and Pore Size of the Human Intestinal Epithelium in Tissue and Cell Culture Models. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 2166-2175.	1.6	127
150	Structural Elucidation of Light Activated Vesicles. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 962-966.	2.1	40
151	p62/sequestosome 1 as a regulator of proteasome inhibitor-induced autophagy in human retinal pigment epithelial cells. <i>Molecular Vision</i> , 2010, 16, 1399-414.	1.1	62
152	Gene expression analysis in SV-40 immortalized human corneal epithelial cells cultured with an air-liquid interface. <i>Molecular Vision</i> , 2010, 16, 2109-20.	1.1	24
153	Intracellular DNA release and elimination correlate poorly with transgene expression after non-viral transfection. <i>Journal of Controlled Release</i> , 2009, 136, 226-231.	4.8	31
154	Efflux Protein Expression in Human Retinal Pigment Epithelium Cell Lines. <i>Pharmaceutical Research</i> , 2009, 26, 1785-1791.	1.7	72
155	Low molecular weight hyaluronan shielding of DNA/PEI polyplexes facilitates CD44 receptor mediated uptake in human corneal epithelial cells. <i>Journal of Gene Medicine</i> , 2008, 10, 70-80.	1.4	69
156	Interaction of lipid nanoparticles with human epidermis and an organotypic cell culture model. <i>International Journal of Pharmaceutics</i> , 2008, 354, 180-195.	2.6	79
157	Passive oral drug absorption can be predicted more reliably by experimental than computational models-Fact or myth. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 34, 129-139.	1.9	25
158	Current and future ophthalmic drug delivery systems-A shift to the posterior segment. <i>Drug Discovery Today</i> , 2008, 13, 135-143.	3.2	356
159	Glycosaminoglycan-resistant and pH-sensitive lipid-coated DNA complexes produced by detergent removal method. <i>Journal of Controlled Release</i> , 2008, 131, 145-149.	4.8	17
160	Comparison of rat epidermal keratinocyte organotypic culture (ROC) with intact human skin: Lipid composition and thermal phase behavior of the stratum corneum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 824-834.	1.4	35
161	Time-Resolved Fluorescence Spectroscopy Reveals Functional Differences of Cationic Polymer-DNA Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 11695-11700.	6.6	45
162	Synthesis and Cellular Uptake of Fluorescently Labeled Multivalent Hyaluronan Disaccharide Conjugates of Oligonucleotide Phosphorothioates. <i>Bioconjugate Chemistry</i> , 2008, 19, 2549-2558.	1.8	17

#	ARTICLE	IF	CITATIONS
163	Temperature-Sensitive Poly(<i>N</i> -(2-hydroxypropyl)methacrylamide mono/dilactate)-Coated Liposomes for Triggered Contents Release. <i>Bioconjugate Chemistry</i> , 2007, 18, 2131-2136.	1.8	66
164	Corneal epithelium as a platform for secretion of transgene products after transfection with liposomal gene eyedrops. <i>Journal of Gene Medicine</i> , 2007, 9, 208-216.	1.4	33
165	Polyplex-mediated gene transfer and cell cycle: effect of carrier on cellular uptake and intracellular kinetics, and significance of glycosaminoglycans. <i>Journal of Gene Medicine</i> , 2007, 9, 479-487.	1.4	65
166	Rat epidermal keratinocyte organotypic culture (ROC) compared to human cadaver skin: The effect of skin permeation enhancers. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 240-250.	1.9	16
167	Gold nanoparticles enable selective light-induced contents release from liposomes. <i>Journal of Controlled Release</i> , 2007, 122, 86-93.	4.8	223
168	Binding of Betaxolol, Metoprolol and Oligonucleotides to Synthetic and Bovine Ocular Melanin, and Prediction of Drug Binding to Melanin in Human Choroid-Retinal Pigment Epithelium. <i>Pharmaceutical Research</i> , 2007, 24, 2063-2070.	1.7	50
169	Epidermal cell culture model with tight stratum corneum as a tool for dermal gene delivery studies. <i>International Journal of Pharmaceutics</i> , 2006, 307, 188-193.	2.6	6
170	Computational Prediction of Oral Drug Absorption Based on Absorption Rate Constants in Humans. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3674-3681.	2.9	69
171	Drug transport in corneal epithelium and blood-retina barrier: Emerging role of transporters in ocular pharmacokinetics. <i>Advanced Drug Delivery Reviews</i> , 2006, 58, 1136-1163.	6.6	294
172	Transscleral drug delivery to the posterior eye: Prospects of pharmacokinetic modeling. <i>Advanced Drug Delivery Reviews</i> , 2006, 58, 1164-1181.	6.6	138
173	Challenges and obstacles of ocular pharmacokinetics and drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2006, 58, 1131-1135.	6.6	782
174	Rat epidermal keratinocyte organotypic culture (ROC) as a model for chemically induced skin irritation testing. <i>Toxicology and Applied Pharmacology</i> , 2005, 208, 233-241.	1.3	12
175	The role of cell cycle on polyplex-mediated gene transfer into a retinal pigment epithelial cell line. <i>Journal of Gene Medicine</i> , 2005, 7, 466-476.	1.4	35
176	Permeability of Retinal Pigment Epithelium: Effects of Permeant Molecular Weight and Lipophilicity. , 2005, 46, 641.		232
177	Long-Lasting Secretion of Transgene Product from Differentiated and Filter-Grown Retinal Pigment Epithelial Cells After Nonviral Gene Transfer. <i>Current Eye Research</i> , 2005, 30, 345-353.	0.7	26
178	Cell culture models of the ocular barriers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 60, 207-225.	2.0	245
179	Starch acetate microparticles for drug delivery into retinal pigment epithelium-in vitro study. <i>Journal of Controlled Release</i> , 2004, 98, 407-413.	4.8	52
180	Drug permeation in biomembranes. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 13-47.	1.9	167

#	ARTICLE	IF	CITATIONS
181	Substrates and inhibitors of efflux proteins interfere with the MTT assay in cells and may lead to underestimation of drug toxicity. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 181-188.	1.9	97
182	Cell-surface glycosaminoglycans inhibit cation-mediated gene transfer. <i>Journal of Gene Medicine</i> , 2004, 6, 405-414.	1.4	94
183	Neural retina limits the nonviral gene transfer to retinal pigment epithelium in an in vitro bovine eye model. <i>AAPS Journal</i> , 2004, 6, 72-80.	2.2	49
184	Vitreous is a barrier in nonviral gene transfer by cationic lipids and polymers. <i>Pharmaceutical Research</i> , 2003, 20, 576-583.	1.7	124
185	Ocular pharmacokinetic modeling using corneal absorption and desorption rates from in vitro permeation experiments with cultured corneal epithelial cells. <i>Pharmaceutical Research</i> , 2003, 20, 1409-1416.	1.7	32
186	Paracellular and passive transcellular permeability in immortalized human corneal epithelial cell culture model. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 20, 99-106.	1.9	76
187	Epidermal cell culture model derived from rat keratinocytes with permeability characteristics comparable to human cadaver skin. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 20, 107-113.	1.9	36
188	Extracellular and intracellular barriers in non-viral gene delivery. <i>Journal of Controlled Release</i> , 2003, 93, 213-217.	4.8	147
189	Retina-specific gene expression and improved DNA transfection in WERI-Rb1 retinoblastoma cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003, 1628, 169-176.	2.4	7
190	Simultaneous determination of eight β_2 -blockers by gradient high-performance liquid chromatography with combined ultraviolet and fluorescence detection in corneal permeability studies in vitro. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 772, 81-87.	1.2	63
191	Vitamin A enhances differentiation of a continuous keratinocyte cell line (REK) into epidermis with normal stratum corneum ultrastructure and functional permeability barrier. <i>Histochemistry and Cell Biology</i> , 2001, 116, 287-297.	0.8	66
192	Formation of Permeability Barrier in Epidermal Organotypic Culture for Studies on Drug Transport. <i>Journal of Investigative Dermatology</i> , 2001, 117, 1322-1324.	0.3	24
193	A novel drug-regulated gene expression system based on the nuclear receptor constitutive androstane receptor (CAR). <i>Pharmaceutical Research</i> , 2001, 18, 146-150.	1.7	45
194	Extracellular Glycosaminoglycans Modify Cellular Trafficking of Lipoplexes and Polyplexes. <i>Journal of Biological Chemistry</i> , 2001, 276, 33875-33880.	1.6	182
195	Water-activated, pH-controlled patch in transdermal administration of timolol. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 11, 19-24.	1.9	16
196	Gene Delivery and Expression in Human Retinal Pigment Epithelial Cells: Effects of Synthetic Carriers, Serum, Extracellular Matrix and Viral Promoters. <i>Journal of Drug Targeting</i> , 2000, 7, 413-421.	2.1	44
197	Novel cationic amphiphilic 1,4-dihydropyridine derivatives for DNA delivery. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1509, 451-466.	1.4	78
198	Liposome-skin interactions and their effects on the skin permeation of drugs. <i>European Journal of Pharmaceutical Sciences</i> , 1999, 7, 279-286.	1.9	146

#	ARTICLE	IF	CITATIONS
199	Interactions of polymeric and liposomal gene delivery systems with extracellular glycosaminoglycans: physicochemical and transfection studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1415, 331-341.	1.4	311
200	Evaluation of cytotoxicity of various ophthalmic drugs, eye drop excipients and cyclodextrins in an immortalized human corneal epithelial cell line. <i>Pharmaceutical Research</i> , 1998, 15, 1275-1280.	1.7	122
201	Different effects of pH on the permeation of pilocarpine and pilocarpine prodrugs across the isolated rabbit cornea. <i>European Journal of Pharmaceutical Sciences</i> , 1998, 6, 169-176.	1.9	19
202	Estimation of pore size and pore density of biomembranes from permeability measurements of polyethylene glycols using an effusion-like approach. <i>Journal of Controlled Release</i> , 1997, 49, 97-104.	4.8	51
203	Interaction of liposomes with human skin in vitro – The influence of lipid composition and structure. <i>Lipids and Lipid Metabolism</i> , 1996, 1304, 179-189.	2.6	210
204	Amphiphilic properties of pilocarpine prodrugs. <i>International Journal of Pharmaceutics</i> , 1996, 133, 171-178.	2.6	17
205	Ocular absorption following topical delivery. <i>Advanced Drug Delivery Reviews</i> , 1995, 16, 3-19.	6.6	299
206	Controlled ocular timolol delivery: systemic absorption and intraocular pressure effects in humans. <i>Pharmaceutical Research</i> , 1994, 11, 1278-1282.	1.7	48
207	Oligonucleotide-cationic liposome interactions. A physicochemical study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1195, 115-123.	1.4	93
208	Transdermal iontophoresis of sotalol and salicylate; the effect of skin charge and penetration enhancers. <i>Journal of Controlled Release</i> , 1993, 26, 109-117.	4.8	28
209	Minimizing systemic absorption of topically administered ophthalmic drugs. <i>Survey of Ophthalmology</i> , 1993, 37, 435-456.	1.7	236
210	Permeability of pilocarpic acid diesters across albino rabbit cornea in vitro. <i>International Journal of Pharmaceutics</i> , 1991, 74, 221-228.	2.6	31
211	Controlled drug delivery devices for experimental ocular studies with timolol 1. In vitro release studies. <i>International Journal of Pharmaceutics</i> , 1990, 61, 235-240.	2.6	24
212	Application Site Dependent Ocular Absorption of Timolol. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 1988, 4, 335-343.	0.6	16
213	Concentration-dependent precorneal loss of pilocarpine in rabbit eyes. <i>Acta Ophthalmologica</i> , 1985, 63, 502-506.	0.6	9
214	Effect of ocular pigmentation on pilocarpine pharmacology in the rabbit eye. I. Drug distribution and metabolism. <i>International Journal of Pharmaceutics</i> , 1984, 18, 17-24.	2.6	32
215	Disposition of ophthalmic timolol in treated and untreated rabbit eyes. A multiple and single dose study. <i>Experimental Eye Research</i> , 1984, 38, 203-206.	1.2	44
216	OCULAR DISTRIBUTION OF TOPICALLY APPLIED ADRENALINE IN ALBINO AND PIGMENTED RABBITS. <i>Acta Ophthalmologica</i> , 1984, 62, 753-762.	0.6	10