Praneet Opanasopit

List of Publications by Year
in descending order

264	6,625	57758	95266
papers	citations	44 h-index	68 g-index

266	266	266	8014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrospun cellulose acetate fiber mats containing curcumin and release characteristic of the herbal substance. Polymer, 2007, 48, 7546-7557.	3.8	271
2	Lysozyme-loaded, electrospun chitosan-based nanofiber mats for wound healing. International Journal of Pharmaceutics, 2012, 427, 379-384.	5.2	179
3	Characterization and In Vitro Skin Permeation of Meloxicam-Loaded Liposomes versus Transfersomes. Journal of Drug Delivery, 2011, 2011, 1-9.	2.5	134
4	Block Copolymer Design for Camptothecin Incorporation into Polymeric Micelles for Passive Tumor Targeting. Pharmaceutical Research, 2004, 21, 2001-2008.	3.5	130
5	Electrospun chitosan-based nanofiber mats loaded with Garcinia mangostana extracts. International Journal of Pharmaceutics, 2013, 452, 333-343.	5.2	129
6	Influence of serum and albumins from different species on stability of camptothecin-loaded micelles. Journal of Controlled Release, 2005, 104, 313-321.	9.9	119
7	Preparation of camptothecin-loaded polymeric micelles and evaluation of their incorporation and circulation stability. International Journal of Pharmaceutics, 2006, 308, 183-189.	5.2	117
8	Enhanced antitumor effect of camptothecin loaded in long-circulating polymeric micelles. Journal of Controlled Release, 2006, 112, 329-332.	9.9	104
9	Evaluation of chitosan salts as non-viral gene vectors in CHO-K1 cells. International Journal of Pharmaceutics, 2008, 348, 161-168.	5.2	104
10	Fast releasing oral electrospun PVP/CD nanofiber mats of taste-masked meloxicam. International Journal of Pharmaceutics, 2015, 487, 213-222.	5.2	103
11	Preparation and characterization of chitosan-hydroxybenzotriazole/polyvinyl alcohol blend nanofibers by the electrospinning technique. Carbohydrate Polymers, 2010, 81, 675-680.	10.2	102
12	What are determining factors for stable drug incorporation into polymeric micelle carriers? Consideration on physical and chemical characters of the micelle inner core. Journal of Controlled Release, 2007, 123, 11-18.	9.9	98
13	Electrospun chitosan/polyvinyl alcohol nanofibre mats for wound healing. International Wound Journal, 2014, 11, 215-222.	2.9	97
14	Factors Affecting Drug and Gene Delivery: Effects of Interaction with Blood Components. Critical Reviews in Therapeutic Drug Carrier Systems, 2002, 19, 191-234.	2.2	93
15	Evaluation of Meloxicam-Loaded Cationic Transfersomes as Transdermal Drug Delivery Carriers. AAPS PharmSciTech, 2013, 14, 133-140.	3.3	92
16	Nanostructured Lipid Carriers (NLC) for Parenteral Delivery of an Anticancer Drug. AAPS PharmSciTech, 2012, 13, 150-158.	3.3	89
17	Incorporation of camptothecin into N-phthaloyl chitosan-g-mPEG self-assembly micellar system. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 64, 269-276.	4.3	87
18	Development and Characterization of Pectinate Micro/Nanoparticles for Gene Delivery. AAPS PharmSciTech, 2008, 9, 67-74.	3.3	87

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19	Polymer Design and Incorporation Methods for Polymeric Micelle Carrier System Containing Water-insoluble Anti-cancer Agent Camptothecin. Journal of Drug Targeting, 2004, 12, 373-384.	4.4	85
20	Antioxidative and Neuroprotective Activities of Extracts from the Fruit Hull of Mangosteen (Garcinia mangostana Linn.). Medical Principles and Practice, 2006, 15, 281-287.	2.4	85
21	Physicochemical Characteristics, Cytotoxicity, and Antioxidant Activity of Three Lipid Nanoparticulate Formulations of Alpha-lipoic Acid. AAPS PharmSciTech, 2009, 10, 227-34.	3.3	82
22	Role of the charge, carbon chain length, and content of surfactant on the skin penetration of meloxicam-loaded liposomes. International Journal of Nanomedicine, 2014, 9, 2005.	6.7	82
23	Development of Chitosan-Based pH-Sensitive Polymeric Micelles Containing Curcumin for Colon-Targeted Drug Delivery. AAPS PharmSciTech, 2018, 19, 991-1000.	3.3	79
24	Development of Meloxicam-Loaded Electrospun Polyvinyl Alcohol Mats as a Transdermal Therapeutic Agent. Pharmaceutical Development and Technology, 2009, 14, 73-82.	2.4	72
25	Biodegradable alginate microparticles developed by electrohydrodynamic spraying techniques for oral delivery of protein. Journal of Microencapsulation, 2009, 26, 563-570.	2.8	72
26	Neomycin-loaded poly(styrene sulfonic acid-co-maleic acid) (PSSA-MA)/polyvinyl alcohol (PVA) ion exchange nanofibers for wound dressing materials. International Journal of Pharmaceutics, 2013, 448, 71-78.	5.2	72
27	Mucoadhesive electrospun chitosan-based nanofibre mats for dental caries prevention. Carbohydrate Polymers, 2015, 117, 933-940.	10.2	68
28	Chitosan-Thiamine Pyrophosphate as a Novel Carrier for siRNA Delivery. Pharmaceutical Research, 2008, 25, 2807-2814.	3.5	67
29	Inhibition of liver metastasis by targeting of immunomodulators using mannosylated liposome carriers. Journal of Controlled Release, 2002, 80, 283-294.	9.9	63
30	Catechol-modified chitosan/hyaluronic acid nanoparticles as a new avenue for local delivery of doxorubicin to oral cancer cells. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111279.	5.0	63
31	In vitro Permeability Enhancement in Intestinal Epithelial Cells (Caco-2) Monolayer of Water Soluble Quaternary Ammonium Chitosan Derivatives. AAPS PharmSciTech, 2010, 11, 497-508.	3.3	61
32	Mucoadhesive maleimide-functionalised liposomes for drug delivery to urinary bladder. European Journal of Pharmaceutical Sciences, 2018, 111, 83-90.	4.0	61
33	Fabrication of mucoadhesive chitosan coated polyvinylpyrrolidone/cyclodextrin/clotrimazole sandwich patches for oral candidiasis. Carbohydrate Polymers, 2015, 132, 173-179.	10.2	59
34	Maleimide-bearing nanogels as novel mucoadhesive materials for drug delivery. Journal of Materials Chemistry B, 2016, 4, 6581-6587.	5.8	59
35	Comparative Study of Novel Ultradeformable Liposomes: Menthosomes, Transfersomes and Liposomes for Enhancing Skin Permeation of Meloxicam. Biological and Pharmaceutical Bulletin, 2014, 37, 239-247.	1.4	57
36	Fabrication of a novel scaffold of clotrimazole-microemulsion-containing nanofibers using an electrospinning process for oral candidiasis applications. Colloids and Surfaces B: Biointerfaces, 2015, 126, 18-25.	5.0	54

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37	pH-Responsive polymeric micelles based on amphiphilic chitosan derivatives: Effect of hydrophobic cores on oral meloxicam delivery. International Journal of Pharmaceutics, 2016, 497, 150-160.	5.2	54
38	Visualization of ultradeformable liposomes penetration pathways and their skin interaction by confocal laser scanning microscopy. International Journal of Pharmaceutics, 2013, 441, 151-161.	5.2	53
39	Chitosan lactate as a nonviral gene delivery vector in COS-1 cells. AAPS PharmSciTech, 2006, 7, E74-E79.	3.3	51
40	Nuclear localization signal peptides enhance transfection efficiency of chitosan/DNA complexes. International Journal of Pharmaceutics, 2009, 382, 291-295.	5.2	51
41	Effect of Salt Forms and Molecular Weight of Chitosans on In Vitro Permeability Enhancement in Intestinal Epithelial Cells (Caco-2). Pharmaceutical Development and Technology, 2007, 12, 447-455.	2.4	49
42	Effects of processing parameters on morphology of electrospun polystyrene nanofibers. Korean Journal of Chemical Engineering, 2012, 29, 173-181.	2.7	49
43	Menthosomes, Novel Ultradeformable Vesicles for Transdermal Drug Delivery: Optimization and Characterization. Biological and Pharmaceutical Bulletin, 2012, 35, 1720-1728.	1.4	48
44	Camptothecin-incorporating N-phthaloylchitosan-g-mPEG self-assembly micellar system: Effect of degree of deacetylation. Colloids and Surfaces B: Biointerfaces, 2007, 60, 117-124.	5.0	47
45	Synthesis and characterization of pH-responsive N-naphthyl-N,O-succinyl chitosan micelles for oral meloxicam delivery. Carbohydrate Polymers, 2015, 121, 99-106.	10.2	47
46	Fabrication, characterization and comparison of Î±-arbutin loaded dissolving and hydrogel forming microneedles. International Journal of Pharmaceutics, 2020, 586, 119508.	5.2	47
47	Terpene Composited Lipid Nanoparticles for Enhanced Dermal Delivery of All-<i>trans</i>-Retinoic Acids. Biological and Pharmaceutical Bulletin, 2014, 37, 1139-1148.	1.4	45
48	Fabrication of floating capsule-in- 3D-printed devices as gastro-retentive delivery systems of amoxicillin. Journal of Drug Delivery Science and Technology, 2020, 55, 101393.	3.0	45
49	Incorporation methods for cholic acid chitosan-g-mPEG self-assembly micellar system containing camptothecin. Colloids and Surfaces B: Biointerfaces, 2009, 74, 253-259.	5.0	43
50	N-Phthaloylchitosan-g-mPEG design for all-trans retinoic acid-loaded polymeric micelles. European Journal of Pharmaceutical Sciences, 2007, 30, 424-431.	4.0	42
51	Methylated N-(4-N,N-dimethylaminobenzyl) chitosan coated liposomes for oral protein drug delivery. European Journal of Pharmaceutical Sciences, 2012, 47, 359-366.	4.0	42
52	The Combination of Microneedles with Electroporation and Sonophoresis to Enhance Hydrophilic Macromolecule Skin Penetration. Biological and Pharmaceutical Bulletin, 2014, 37, 1373-1382.	1.4	42
53	Chitosan-Mediated siRNA Delivery In Vitro: Effect of Polymer Molecular Weight, Concentration and Salt Forms. AAPS PharmSciTech, 2010, 11, 64-72.	3.3	41
54	6-Maleimidohexanoic acid-grafted chitosan: A new generation mucoadhesive polymer. Carbohydrate Polymers, 2018, 202, 258-264.	10.2	41

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55	Biodistribution characteristics of all-trans retinoic acid incorporated in liposomes and polymeric micelles following intravenous administration. Journal of Pharmaceutical Sciences, 2005, 94, 2606-2615.	3.3	40
56	HPMC/PVP Dissolving Microneedles: a Promising Delivery Platform to Promote Trans-Epidermal Delivery of Alpha-Arbutin for Skin Lightening. AAPS PharmSciTech, 2020, 21, 25.	3.3	40
57	Methylated N-aryl chitosan derivative/DNA complex nanoparticles for gene delivery: Synthesis and structureâ€“activity relationships. Carbohydrate Polymers, 2009, 78, 743-752.	10.2	36
58	All-trans retinoic acid-loaded lipid nanoparticles as a transdermal drug delivery carrier. Pharmaceutical Development and Technology, 2014, 19, 164-172.	2.4	36
59	In vivo recognition of mannosylated proteins by hepatic mannose receptors and mannan-binding protein. American Journal of Physiology - Renal Physiology, 2001, 280, G879-G889.	3.4	35
60	Methylated N-(4-N,N-dimethylaminocinnamyl) chitosan-coated electrospray OVA-loaded microparticles for oral vaccination. International Journal of Pharmaceutics, 2013, 448, 19-27.	5.2	35
61	Cationic Niosomes for Enhanced Skin Immunization of Plasmid DNA-Encoding Ovalbumin via Hollow Microneedles. AAPS PharmSciTech, 2018, 19, 481-488.	3.3	35
62	Fast-Acting Clotrimazole Composited PVP/HPÎ²CD Nanofibers for Oral Candidiasis Application. Pharmaceutical Research, 2014, 31, 1893-1906.	3.5	34
63	Methylated N-(4-N,N-dimethylaminobenzyl) chitosan for novel effective gene carriers. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 207-214.	4.3	33
64	Physicochemical properties and antioxidant activity of gamma-oryzanol-loaded liposome formulations for topical use. Pharmaceutical Development and Technology, 2009, 14, 665-671.	2.4	33
65	Fabrication and In Vitro/In Vivo Performance of Mucoadhesive Electrospun Nanofiber Mats Containing Î±-Mangostin. AAPS PharmSciTech, 2015, 16, 1140-1152.	3.3	33
66	Methylated N-(4-pyridinylmethyl) chitosan as a novel effective safe gene carrier. International Journal of Pharmaceutics, 2008, 364, 127-134.	5.2	32
67	Electrospun cellulose acetate nanofibers as thin layer chromatographic media for eco-friendly screening of steroids adulterated in traditional medicine and nutraceutical products. Talanta, 2013, 115, 208-213.	5.5	32
68	Encapsulation of plai oil/2-hydroxypropyl-Î²-cyclodextrin inclusion complexes in polyvinylpyrrolidone (PVP) electrospun nanofibers for topical application. Pharmaceutical Development and Technology, 2014, 19, 430-437.	2.4	31
69	Synthesis of mucoadhesive thiol-bearing microgels from 2-(acetylthio)ethylacrylate and 2-hydroxyethylmethacrylate: novel drug delivery systems for chemotherapeutic agents to the bladder. Journal of Materials Chemistry B, 2015, 3, 6599-6604.	5.8	31
70	Cremophor RH40-PEG 400 microemulsions as transdermal drug delivery carrier for ketoprofen. Pharmaceutical Development and Technology, 2013, 18, 798-803.	2.4	30
71	Smartphone-based Ellmanâ€™s colourimetric methods for the analysis of d-penicillamine formulation and thiolated polymer. International Journal of Pharmaceutics, 2019, 558, 120-127.	5.2	30
72	Effects of molecular weight and pyridinium moiety on water-soluble chitosan derivatives for mediated gene delivery. Carbohydrate Polymers, 2013, 91, 508-517.	10.2	29

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73	Terpene-Containing PEGylated Liposomes as Transdermal Carriers of a Hydrophilic Compound. Biological and Pharmaceutical Bulletin, 2014, 37, 1936-1943.	1.4	29
74	Synthesis and in vitro transfection efficiency of spermine-based cationic lipids with different central core structures and lipophilic tails. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 496-503.	2.2	29
75	A combined approach of hollow microneedles and nanocarriers for skin immunization with plasmid DNA encoding ovalbumin. International Journal of Nanomedicine, 2017, Volume 12, 885-898.	6.7	29
76	Cyclodextrin-based oral dissolving films formulation of taste-masked meloxicam. Pharmaceutical Development and Technology, 2018, 23, 530-539.	2.4	29
77	Pharmacokinetic Analysis of Lectin-dependent Biodistribution of Fucosylated Bovine Serum Albumin: A Possible Carrier for Kupffer Cells. Journal of Drug Targeting, 2001, 9, 341-351.	4.4	28
78	Formulation and evaluation of meloxicam oral disintegrating tablet with dissolution enhanced by combination of cyclodextrin and ion exchange resins. Drug Development and Industrial Pharmacy, 2015, 41, 1006-1016.	2.0	28
79	Nonionic surfactant vesicles for delivery of RNAi therapeutics. Nanomedicine, 2013, 8, 1865-1873.	3.3	27
80	Nonionic Surfactant Vesicles Composed of Novel Spermine-Derivative Cationic Lipids as an Effective Gene Carrier In Vitro. AAPS PharmSciTech, 2014, 15, 722-730.	3.3	27
81	Mucoadhesive chitosan and thiolated chitosan nanoparticles containing alpha mangostin for possible Colon-targeted delivery. Pharmaceutical Development and Technology, 2021, 26, 362-372.	2.4	27
82	Preparation of PMMA/acid-modified chitosan core-shell nanoparticles and their potential as gene carriers. Colloid and Polymer Science, 2008, 286, 907-916.	2.1	26
83	Investigation of the mechanism of enhanced skin penetration by ultradeformable liposomes. International Journal of Nanomedicine, 2014, 9, 3539.	6.7	26
84	Skin Transport of Hydrophilic Compound-Loaded PEGylated Lipid Nanocarriers: Comparative Study of Liposomes, Niosomes, and Solid Lipid Nanoparticles. Biological and Pharmaceutical Bulletin, 2016, 39, 1254-1262.	1.4	26
85	Design of alpha mangostin-loaded chitosan/alginate controlled-release nanoparticles using genipin as crosslinker. Journal of Drug Delivery Science and Technology, 2018, 46, 312-321.	3.0	25
86	Structure Relationship of Cationic Lipids on Gene Transfection Mediated by Cationic Liposomes. AAPS PharmSciTech, 2012, 13, 1302-1308.	3.3	24
87	Cationic niosomes composed of spermine-based cationic lipids mediate high gene transfection efficiency. Journal of Drug Targeting, 2012, 20, 783-792.	4.4	24
88	Methylated N-(4-N,N-dimethylaminobenzyl) chitosan as effective gene carriers: Effect of degree of substitution. Carbohydrate Polymers, 2009, 75, 143-149.	10.2	23
89	Macromolecular Delivery into Skin Using a Hollow Microneedle. Biological and Pharmaceutical Bulletin, 2010, 33, 1988-1993.	1.4	23
90	Ultradeformable liposomes with terpenes for delivery of hydrophilic compound. Journal of Liposome Research, 2012, 22, 254-262.	3.3	23

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91	One-enzyme catalyzed simultaneous plant cell disruption and conversion of released glycoside to aglycone combined with in situ product separation as green one-pot production of genipin from gardenia fruit. Enzyme and Microbial Technology, 2013, 53, 92-96.	3.2	23
92	Fabrication and properties of capsicum extract-loaded PVA and CA nanofiber patches. Pharmaceutical Development and Technology, 2013, 18, 1140-1147.	2.4	23
93	Electrospun poly(vinyl alcohol) fiber mats as carriers for extracts from the fruit hull of mangosteen. Journal of Cosmetic Science, 2008, 59, 233-42.	0.1	23
94	Methylated N-(4-N,N-Dimethylaminobenzyl) Chitosan, a Novel Chitosan Derivative, Enhances Paracellular Permeability Across Intestinal Epithelial Cells (Caco-2). AAPS PharmSciTech, 2008, 9, 1143-1152.	3.3	22
95	Comparison of skin transport and metabolism of ethyl nicotinate in various species. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 58, 645-651.	4.3	21
96	A simple, sensitive and green bienzymatic UV-spectrophotometric assay of amoxicillin formulations. Enzyme and Microbial Technology, 2010, 46, 292-296.	3.2	21
97	Effect of lipid types on physicochemical characteristics, stability and antioxidant activity of gamma-oryzanol-loaded lipid nanoparticles. Journal of Microencapsulation, 2009, 26, 614-626.	2.8	20
98	MethylatedN-(4-N,N-dimethylaminocinnamyl) chitosan enhances paracellular permeability across Caco-2 cells. Drug Delivery, 2010, 17, 301-312.	5.7	20
99	Chitosan enhances transfection efficiency of cationic polypeptides/DNA complexes. International Journal of Pharmaceutics, 2011, 410, 161-168.	5.2	19
100	Fabrication and evaluation of cationic exchange nanofibers for controlled drug delivery systems. International Journal of Pharmaceutics, 2013, 450, 345-353.	5.2	19
101	Fabrication and Evaluation of Nanostructured Herbal Oil/Hydroxypropyl-Î²-Cyclodextrin/Polyvinylpyrrolidone Mats for Denture Stomatitis Prevention and Treatment. AAPS PharmSciTech, 2016, 17, 1441-1449.	3.3	19
102	Synthesis of novel N-vinylpyrrolidone/acrylic acid nanoparticles as drug delivery carriers of cisplatin to cancer cells. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110566.	5.0	19
103	The development of poly-L-arginine-coated liposomes for gene delivery. International Journal of Nanomedicine, 2011, 6, 2245.	6.7	18
104	Development of Sponge Microspicule Cream as a Transdermal Delivery System for Protein and Growth Factors from Deer Antler Velvet Extract. Biological and Pharmaceutical Bulletin, 2019, 42, 1207-1215.	1.4	18
105	A novel plier-like gemini cationic niosome for nucleic acid delivery. Journal of Drug Delivery Science and Technology, 2019, 52, 325-333.	3.0	18
106	Influence of nanofiber alignment on the release of a water-soluble drug from cellulose acetate nanofibers. Saudi Pharmaceutical Journal, 2020, 28, 1210-1216.	2.7	18
107	Catechol-Functionalized Alginate Nanoparticles as Mucoadhesive Carriers for Intravesical Chemotherapy. AAPS PharmSciTech, 2020, 21, 212.	3.3	18
108	Development and Characterization of Propranolol Selective Molecular Imprinted Polymer Composite Electrospun Nanofiber Membrane. AAPS PharmSciTech, 2013, 14, 838-846.	3.3	17

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109	Chitosan Combined with Poly-L-arginine as Efficient, Safe, and Serum-Insensitive Vehicle with RNase Protection Ability for siRNA Delivery. BioMed Research International, 2013, 2013, 1-9.	1.9	17
110	Uniaxially aligned electrospun cellulose acetate nanofibers for thin layer chromatographic screening of hydroquinone and retinoic acid adulterated in cosmetics. Journal of Chromatography A, 2014, 1367, 141-147.	3.7	17
111	Lysozyme-immobilized electrospun PAMA/PVA and PSSA-MA/PVA ion-exchange nanofiber for wound healing. Pharmaceutical Development and Technology, 2015, 20, 976-983.	2.4	17
112	Drug-free albumin-triggered sensitization of cancer cells to anticancer drugs. Journal of Controlled Release, 2019, 293, 84-93.	9.9	17
113	Computer-aided rational design for optimally GantrezÂ® S-97 and hyaluronic acid-based dissolving microneedles as a potential ocular delivery system. Journal of Drug Delivery Science and Technology, 2021, 61, 102319.	3.0	17
114	Doxorubicin-loaded chitosan-alginate nanoparticles with dual mucoadhesive functionalities for intravesical chemotherapy. Journal of Drug Delivery Science and Technology, 2021, 63, 102481.	3.0	17
115	Optimal Design of Novel Microemulsions-Based Two-Layered Dissolving Microneedles for Delivering Fluconazole in Treatment of Fungal Eye Infection. Pharmaceutics, 2022, 14, 472.	4.5	17
116	Fabrication and characterization of andrographolide analogue (3A.1) nanosuspensions stabilized by amphiphilic chitosan derivatives for colorectal cancer therapy. Journal of Drug Delivery Science and Technology, 2019, 54, 101287.	3.0	16
117	Three-dimensional (3D)-printed devices composed of hydrophilic cap and hydrophobic body for improving buoyancy and gastric retention of domperidone tablets. European Journal of Pharmaceutical Sciences, 2020, 155, 105555.	4.0	16
118	Synergistic Effect of Doxorubicin and siRNA-Mediated Silencing of Mcl-1 Using Cationic Niosomes against 3D MCF-7 Spheroids. Pharmaceutics, 2021, 13, 550.	4.5	16
119	Evaluation of Simultaneous Permeation and Metabolism of Methyl Nicotinate in Human, Snake, and Shed Snake Skin. Pharmaceutical Development and Technology, 2008, 13, 75-83.	2.4	15
120	Nucleic Acid Delivery with Chitosan Hydroxybenzotriazole. Oligonucleotides, 2010, 20, 127-136.	2.7	15
121	Chitosan-based self-assembled nanocarriers coordinated to cisplatin for cancer treatment. RSC Advances, 2018, 8, 22967-22973.	3.6	15
122	Apoptosis Induction and Antimigratory Activity of Andrographolide Analog (3A.1)-Incorporated Self-Assembled Nanoparticles in Cancer Cells. AAPS PharmSciTech, 2018, 19, 3123-3133.	3.3	15
123	The effect of polar headgroups and spacer length on the DNA transfection of cholesterol-based cationic lipids. RSC Medicinal Chemistry, 2020, 11, 212-224.	3.9	15
124	Hair growth promoting effect of bioactive extract from deer antler velvet-loaded niosomes and microspicules serum. International Journal of Pharmaceutics, 2021, 597, 120352.	5.2	15
125	Feasibility of chitosan-based nanoparticles approach for intranasal immunisation of live attenuated Japanese encephalitis vaccine. International Journal of Biological Macromolecules, 2021, 183, 1096-1105.	7.5	15
126	Feasibility of mucoadhesive chitosan maleimide-coated liposomes for improved buccal delivery of a protein drug. Journal of Drug Delivery Science and Technology, 2022, 69, 103173.	3.0	15

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127	Type and composition of surfactants mediating gene transfection of polyethylenimine-coated liposomes. International Journal of Nanomedicine, 2011, 6, 975.	6.7	14
128	Improvement of drug loading onto ion exchange resin by cyclodextrin inclusion complex. Drug Development and Industrial Pharmacy, 2013, 39, 1672-1680.	2.0	14
129	Effect of N-pyridinium positions of quaternized chitosan on transfection efficiency in gene delivery system. Carbohydrate Polymers, 2014, 104, 17-22.	10.2	14
130	Transdermal delivery of fluorescein isothiocyanate-dextrans using the combination of microneedles and low-frequency sonophoresis. Asian Journal of Pharmaceutical Sciences, 2015, 10, 415-424.	9.1	14
131	Enhancement of Galantamine HBr Skin Permeation Using Sonophoresis and Limonene-Containing PEGylated Liposomes. AAPS PharmSciTech, 2018, 19, 1093-1104.	3.3	14
132	Finasteride Enhances Stem Cell Signals of Human Dermal Papilla Cells. In Vivo, 2019, 33, 1209-1220.	1.3	14
133	Alphaâ€mangostin and resveratrol, dualâ€drugsâ€loaded mucoadhesive thiolated chitosanâ€based nanoparticles for synergistic activity against colon cancer cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, 110, 1221-1233.	3.4	14
134	Development, Characterization and Skin Interaction of Capsaicin-Loaded Microemulsion-Based Nonionic Surfactant. Biological and Pharmaceutical Bulletin, 2016, 39, 601-610.	1.4	13
135	Cationic niosomes an effective gene carrier composed of novel spermine-derivative cationic lipids: effect of central core structures. Pharmaceutical Development and Technology, 2017, 22, 350-359.	2.4	13
136	Development of Microemulsions and Microemulgels for Enhancing Transdermal Delivery of Kaempferia parviflora Extract. AAPS PharmSciTech, 2018, 19, 2058-2067.	3.3	13
137	Design and Optimization of 3D-Printed Gastroretentive Floating Devices by Central Composite Design. AAPS PharmSciTech, 2021, 22, 197.	3.3	13
138	Nanostructured lipid carrier-embedded polyacrylic acid transdermal patches for improved transdermal delivery of capsaicin. European Journal of Pharmaceutical Sciences, 2022, 173, 106169.	4.0	13
139	Preparation and Evaluation of Differently Sulfonated Styreneâ€“Divinylbenzene Cross-linked Copolymer Cationic Exchange Resins as Novel Carriers for Drug Delivery. AAPS PharmSciTech, 2009, 10, 641-648.	3.3	12
140	Synthesis and Fluorescence Properties of N-Substituted 1-Cyanobenz[f]isoindole Chitosan Polymers and Nanoparticles for Live Cell Imaging. Biomacromolecules, 2014, 15, 2879-2888.	5.4	12
141	Influence of sonophoresis on transdermal drug delivery of hydrophilic compound-loaded lipid nanocarriers. Pharmaceutical Development and Technology, 2017, 22, 597-605.	2.4	12
142	Thermally Crosslinked Chitosan-EDTA/PVA Electrospun Nanofiber Mats: Crosslinking Conditions. Advanced Materials Research, 0, 1060, 192-195.	0.3	11
143	Aligned Electrospun Polyvinyl Pyrrolidone/Poly Îµ-Caprolactone Blend Nanofiber Mats for Tissue Engineering. International Journal of Nanoscience, 2016, 15, 1650005.	0.7	11
144	Enhancement of transdermal delivery of resveratrol using Eudragit and polyvinyl pyrrolidone-based dissolving microneedle patches. Journal of Drug Delivery Science and Technology, 2021, 61, 102284.	3.0	11

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145	Development of Ultradeformable Liposomes with Fatty Acids for Enhanced Dermal Rosmarinic Acid Delivery. Pharmaceutics, 2021, 13, 404.	4.5	11
146	Delivery of small interfering RNAs by nanovesicles for cancer therapy. Drug Metabolism and Pharmacokinetics, 2022, 42, 100425.	2.2	11
147	Effect of Edge Activator on Characteristic and in Vitro Skin Permeation of Meloxicam Loaded in Elastic Liposomes. Advanced Materials Research, 0, 194-196, 537-540.	0.3	10
148	Preparation and evaluation of taste-masked dextromethorphan oral disintegrating tablet. Pharmaceutical Development and Technology, 2012, 17, 315-320.	2.4	10
149	Thermally crosslinkable poly(styrene sulfonic acid-co-maleic acid) (PSSA-MA)/polyvinyl alcohol (PVA) ion-exchange fibers. Polymer Bulletin, 2013, 70, 1431-1444.	3.3	10
150	Effects of silymarin-loaded amphiphilic chitosan polymeric micelles on the renal toxicity and anticancer activity of cisplatin. Pharmaceutical Development and Technology, 2019, 24, 927-934.	2.4	10
151	Synthesis of Polyethylene Glycol Diacrylate/Acrylic Acid Nanoparticles as Nanocarriers for the Controlled Delivery of Doxorubicin to Colorectal Cancer Cells. Pharmaceutics, 2022, 14, 479.	4.5	10
152	Maleimide-functionalized carboxymethyl cellulose: A novel mucoadhesive polymer for transmucosal drug delivery. Carbohydrate Polymers, 2022, 288, 119368.	10.2	10
153	Effect of a Pharmaceutical Cationic Exchange Resin on the Properties of Controlled Release Diphenhydramine Hydrochloride Matrices Using Methocel K4M or Ethocel 7cP as Matrix Formers. AAPS PharmSciTech, 2008, 9, 899-908.	3.3	9
154	Structureâ€“activity relationships of methylated N-aryl chitosan derivatives for enhancing paracellular permeability across Caco-2 cells. Carbohydrate Polymers, 2011, 83, 430-437.	10.2	9
155	Fabrication of electrospun hydrogels loaded with Ipomoea pes-caprae (L.) R. Br extract for infected wound. Journal of Drug Delivery Science and Technology, 2020, 55, 101478.	3.0	9
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