Tanasait Ngawhirunpat

List of Publications by Year
in descending order

111 papers	3,702 citations	109321 35 h-index	149698 56 g-index
112 all docs	112 docs citations	112 times ranked	4943 citing authors

#	Article	IF	Citations
1	Lysozyme-loaded, electrospun chitosan-based nanofiber mats for wound healing. International Journal of Pharmaceutics, 2012, 427, 379-384.	5.2	179
2	Characterization and In Vitro Skin Permeation of Meloxicam-Loaded Liposomes versus Transfersomes. Journal of Drug Delivery, 2011, 2011, 1-9.	2.5	134
3	Electrospun chitosan-based nanofiber mats loaded with Garcinia mangostana extracts. International Journal of Pharmaceutics, 2013, 452, 333-343.	5.2	129
4	Evaluation of chitosan salts as non-viral gene vectors in CHO-K1 cells. International Journal of Pharmaceutics, 2008, 348, 161-168.	5.2	104
5	Fast releasing oral electrospun PVP/CD nanofiber mats of taste-masked meloxicam. International Journal of Pharmaceutics, 2015, 487, 213-222.	5.2	103
6	Preparation and characterization of chitosan-hydroxybenzotriazole/polyvinyl alcohol blend nanofibers by the electrospinning technique. Carbohydrate Polymers, 2010, 81, 675-680.	10.2	102
7	Electrospun chitosan/polyvinyl alcohol nanofibre mats for wound healing. International Wound Journal, 2014, 11, 215-222.	2.9	97
8	Evaluation of Meloxicam-Loaded Cationic Transfersomes as Transdermal Drug Delivery Carriers. AAPS PharmSciTech, 2013, 14, 133-140.	3.3	92
9	Nanostructured Lipid Carriers (NLC) for Parenteral Delivery of an Anticancer Drug. AAPS PharmSciTech, 2012, 13, 150-158.	3.3	89
10	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
11	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
12	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
13	Development of Chitosan-Based pH-Sensitive Polymeric Micelles Containing Curcumin for Colon-Targeted Drug Delivery. AAPS PharmSciTech, 2018, 19, 991-1000.	3.3	79
14	Development of Meloxicam-Loaded Electrospun Polyvinyl Alcohol Mats as a Transdermal Therapeutic Agent. Pharmaceutical Development and Technology, 2009, 14, 73-82.	2.4	72
15	Biodegradable alginate microparticles developed by electrohydrodynamic spraying techniques for oral delivery of protein. Journal of Microencapsulation, 2009, 26, 563-570.	2.8	72
16	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
17	Mucoadhesive electrospun chitosan-based nanofibre mats for dental caries prevention. Carbohydrate Polymers, 2015, 117, 933-940.	10.2	68
18	Dissolving polymeric microneedle arrays for enhanced site-specific acyclovir delivery. European Journal of Pharmaceutical Sciences, 2018, 121, 200-209.	4.0	68

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19	Chitosan-Thiamine Pyrophosphate as a Novel Carrier for siRNA Delivery. Pharmaceutical Research, 2008, 25, 2807-2814.	3.5	67
20	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
21	Fabrication of mucoadhesive chitosan coated polyvinylpyrrolidone/cyclodextrin/clotrimazole sandwich patches for oral candidiasis. Carbohydrate Polymers, 2015, 132, 173-179.	10.2	59
22	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
23	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
24	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
25	Antioxidant, free radical-scavenging activity and cytotoxicity of different solvent extracts and their phenolic constituents from the fruit hull of mangosteen (Garcinia mangostana). Pharmaceutical Biology, 2010, 48, 55-62.	2.9	53
26	Chitosan lactate as a nonviral gene delivery vector in COS-1 cells. AAPS PharmSciTech, 2006, 7, E74-E79.	3.3	51
27	Nuclear localization signal peptides enhance transfection efficiency of chitosan/DNA complexes. International Journal of Pharmaceutics, 2009, 382, 291-295.	5.2	51
28	Development of a novel microemulsion for oral absorption enhancement of all-trans retinoic acid. International Journal of Nanomedicine, 2017, Volume 12, 5585-5599.	6.7	50
29	Effects of processing parameters on morphology of electrospun polystyrene nanofibers. Korean Journal of Chemical Engineering, 2012, 29, 173-181.	2.7	49
30	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
31	Fabrication, characterization and comparison of Î±-arbutin loaded dissolving and hydrogel forming microneedles. International Journal of Pharmaceutics, 2020, 586, 119508.	5.2	47
32	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
33	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
34	6-Maleimidohexanoic acid-grafted chitosan: A new generation mucoadhesive polymer. Carbohydrate Polymers, 2018, 202, 258-264.	10.2	41
35	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
36	All-trans retinoic acid-loaded lipid nanoparticles as a transdermal drug delivery carrier. Pharmaceutical Development and Technology, 2014, 19, 164-172.	2.4	36

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37	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
38	Cationic Niosomes for Enhanced Skin Immunization of Plasmid DNA-Encoding Ovalbumin via Hollow Microneedles. AAPS PharmSciTech, 2018, 19, 481-488.	3.3	35
39	Fast-Acting Clotrimazole Composited PVP/HPÎ²CD Nanofibers for Oral Candidiasis Application. Pharmaceutical Research, 2014, 31, 1893-1906.	3.5	34
40	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
41	Fabrication and In Vitro/In Vivo Performance of Mucoadhesive Electrospun Nanofiber Mats Containing Î±-Mangostin. AAPS PharmSciTech, 2015, 16, 1140-1152.	3.3	33
42	Methylated N-(4-pyridinylmethyl) chitosan as a novel effective safe gene carrier. International Journal of Pharmaceutics, 2008, 364, 127-134.	5.2	32
43	Role of Simplex Lattice Statistical Design in the Formulation and Optimization of Microemulsions for Transdermal Delivery. Biological and Pharmaceutical Bulletin, 2014, 37, 1948-1957.	1.4	31
44	Cremophor RH40-PEG 400 microemulsions as transdermal drug delivery carrier for ketoprofen. Pharmaceutical Development and Technology, 2013, 18, 798-803.	2.4	30
45	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
46	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
47	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
48	Investigation of the mechanism of enhanced skin penetration by ultradeformable liposomes. International Journal of Nanomedicine, 2014, 9, 3539.	6.7	26
49	Structure Relationship of Cationic Lipids on Gene Transfection Mediated by Cationic Liposomes. AAPS PharmSciTech, 2012, 13, 1302-1308.	3.3	24
50	Cationic niosomes composed of spermine-based cationic lipids mediate high gene transfection efficiency. Journal of Drug Targeting, 2012, 20, 783-792.	4.4	24
51	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
52	Fabrication and properties of capsicum extract-loaded PVA and CA nanofiber patches. Pharmaceutical Development and Technology, 2013, 18, 1140-1147.	2.4	23
53	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
54	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

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55	Chitosan enhances transfection efficiency of cationic polypeptides/DNA complexes. International Journal of Pharmaceutics, 2011, 410, 161-168.	5.2	19
56	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
57	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
58	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
59	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
60	Catechol-Functionalized Alginate Nanoparticles as Mucoadhesive Carriers for Intravesical Chemotherapy. AAPS PharmSciTech, 2020, 21, 212.	3.3	18
61	Development and Characterization of Propranolol Selective Molecular Imprinted Polymer Composite Electrospun Nanofiber Membrane. AAPS PharmSciTech, 2013, 14, 838-846.	3.3	17
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	Nucleic Acid Delivery with Chitosan Hydroxybenzotriazole. Oligonucleotides, 2010, 20, 127-136.	2.7	15
70	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
71	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
72	Improvement of drug loading onto ion exchange resin by cyclodextrin inclusion complex. Drug Development and Industrial Pharmacy, 2013, 39, 1672-1680.	2.0	14

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73	Effect of liposomal fluidity on skin permeation of sodium fluorescein entrapped in liposomes. International Journal of Nanomedicine, 2015, 10, 4581.	6.7	14
74	Enhancement of Galantamine HBr Skin Permeation Using Sonophoresis and Limonene-Containing PEGylated Liposomes. AAPS PharmSciTech, 2018, 19, 1093-1104.	3.3	14
75	Finasteride Enhances Stem Cell Signals of Human Dermal Papilla Cells. In Vivo, 2019, 33, 1209-1220.	1.3	14
76	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
77	Development of Microemulsions and Microemulgels for Enhancing Transdermal Delivery of Kaempferia parviflora Extract. AAPS PharmSciTech, 2018, 19, 2058-2067.	3.3	13
78	Design and Optimization of 3D-Printed Gastroretentive Floating Devices by Central Composite Design. AAPS PharmSciTech, 2021, 22, 197.	3.3	13
79	Influence of sonophoresis on transdermal drug delivery of hydrophilic compound-loaded lipid nanocarriers. Pharmaceutical Development and Technology, 2017, 22, 597-605.	2.4	12
80	Aligned Electrospun Polyvinyl Pyrrolidone/Poly Îµ-Caprolactone Blend Nanofiber Mats for Tissue Engineering. International Journal of Nanoscience, 2016, 15, 1650005.	0.7	11
81	Development of Ultradeformable Liposomes with Fatty Acids for Enhanced Dermal Rosmarinic Acid Delivery. Pharmaceutics, 2021, 13, 404.	4.5	11
82	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
83	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
84	Maleimide-functionalized carboxymethyl cellulose: A novel mucoadhesive polymer for transmucosal drug delivery. Carbohydrate Polymers, 2022, 288, 119368.	10.2	10
85	Physicochemical properties of lipid emulsions formulated with high-load all-trans-retinoic acid. PDA Journal of Pharmaceutical Science and Technology, 2007, 61, 461-71.	0.5	9
86	Interaction of pharmaceutical excipients with organic cation transporters. International Journal of Pharmaceutics, 2017, 520, 14-20.	5.2	8
87	Effect of hydrophobic tails of plier-like cationic lipids on nucleic acid delivery and intracellular trafficking. International Journal of Pharmaceutics, 2020, 573, 118798.	5.2	8
88	Rapid synthesis of chitosan-capped gold nanoparticles for analytical application and facile recovery of gold from laboratory waste. Carbohydrate Polymers, 2020, 250, 116983.	10.2	8
89	Development and Evaluation of Novel Water-Based Drug-in-Adhesive Patches for the Transdermal Delivery of Ketoprofen. Pharmaceutics, 2021, 13, 789.	4.5	8
90	Fabrication and Characterization of Chitosan-Ethylenediaminetetraacetic Acid/Polyvinyl Alcohol Blend Electrospun Nanofibers. Advanced Materials Research, 0, 194-196, 648-651.	0.3	7

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91	Development and evaluation of N-naphthyl-N,O-succinyl chitosan micelles containing clotrimazole for oral candidiasis treatment. Pharmaceutical Development and Technology, 2017, 22, 184-190.	2.4	7
92	Computational design strategy: an approach to enhancing the transdermal delivery of optimal capsaicin-loaded transinvasomes. Drug Development and Industrial Pharmacy, 2017, 43, 98-107.	2.0	7
93	Oleic Acid enhances all-trans retinoic Acid loading in nano-lipid emulsions. PDA Journal of Pharmaceutical Science and Technology, 2010, 64, 113-23.	0.5	7
94	Mechanistic study of decreased skin penetration using a combination of sonophoresis with sodium fluorescein-loaded PEGylated liposomes with D-limonene. International Journal of Nanomedicine, 2015, 10, 7413.	6.7	6
95	Application of Design Expert for the investigation of capsaicin-loaded microemulsions for transdermal delivery. Pharmaceutical Development and Technology, 2016, 21, 1-8.	2.4	6
96	Enhancement of Skin Permeation and Skin Immunization of Ovalbumin Antigen via Microneedles. AAPS PharmSciTech, 2017, 18, 2418-2426.	3.3	6
97	Metronidazole-loaded polylactide stereocomplex electrospun nanofiber mats for treatment of periodontal disease. Journal of Drug Delivery Science and Technology, 2021, 64, 102582.	3.0	6
98	Preparation of Chitosan-Thiamine Pyrophosphate/Polyvinyl Alcohol Blend Electrospun Nanofibers. Advanced Materials Research, 0, 506, 118-121.	0.3	5
99	Bootstrap Resampling Technique to Evaluate the Reliability of the Optimal Liposome Formulation: Skin Permeability and Stability Response Variables. Biological and Pharmaceutical Bulletin, 2014, 37, 1543-1549.	1.4	5
100	Green, fast and cheap paper-based method for estimating equivalence ratio of cationic carriers to DNA in gene delivery formulations. European Journal of Pharmaceutical Sciences, 2018, 115, 204-211.	4.0	5
101	Fabrication of Capsaicin Loaded Polyvinyl Alcohol Electrospun Nanofibers. Advanced Materials Research, 2011, 338, 42-45.	0.3	4
102	Reused cyclodextrin as a new way to deliver and enhance drug loading onto ion exchange resin. Pharmaceutical Development and Technology, 2015, 20, 827-838.	2.4	3
103	Fast, affordable and eco-friendly enzyme kinetic method for the assay of Î±-ketoglutaric acid in medical product and sports supplements. Enzyme and Microbial Technology, 2018, 116, 72-76.	3.2	3
104	Enrichment of gammaâ€aminobutyric acid in bean sprouts: Exploring biosynthesis of plant metabolite using common household reagents. Biochemistry and Molecular Biology Education, 2018, 46, 155-161.	1.2	2
105	Preactivated-thiolated polyacrylic acid/1-vinyl pyrrolidone nanoparticles as nicotine carriers for smoking cessation. RSC Advances, 2020, 10, 33517-33525.	3.6	2
106	Polymeric Micelles for Enhanced Solubility of Meloxicam in Oral Drug Delivery. Advanced Materials Research, 2014, 1060, 7-11.	0.3	1
107	Fabrication of Chromatographic Devices for Screening Cosmetics for Hydroquinone and Retinoic Acid as a Chemistry Project To Connect with the Community. Journal of Chemical Education, 2016, 93, 1894-1899.	2.3	1
108	Development of Chitosan Nanoparticles for Gene Delivery Using Electrohydrodynamic Spraying Techniques. Advanced Materials Research, 0, 194-196, 541-544.	0.3	0

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109	Chitosan Coated Alginate Microparticles for Oral Vaccine Delivery. Advanced Materials Research, 0, 506, 469-472.	0.3	0
110	Simultaneous permeation and metabolism of methyl nicotinate in human, snake, and shed snake skin. FASEB Journal, 2008, 22, 1198.2.	0.5	0
111	Free radicalâ€scavenging activity of different solvent extracts from fruit hull of mangosteen. FASEB Journal, 2010, 24, 760.6.	0.5	0