

# Sontaya Limmatvapirat

## List of Publications by Year in descending order

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109  
papers

2,130  
citations

201575

27  
h-index

265120

42  
g-index

110  
all docs

110  
docs citations

110  
times ranked

2248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of chitosan acetate as a binder for sustained release tablets. <i>Journal of Controlled Release</i> , 2004, 99, 15-26.	4.8	137
2	Enhanced enteric properties and stability of shellac films through composite salts formation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 690-698.	2.0	114
3	Utilization of shellac and gelatin composite film for coating to extend the shelf life of banana. <i>Food Control</i> , 2017, 73, 1310-1317.	2.8	114
4	Modification of physicochemical and mechanical properties of shellac by partial hydrolysis. <i>International Journal of Pharmaceutics</i> , 2004, 278, 41-49.	2.6	112
5	An approach for the enhancement of the mechanical properties and film coating efficiency of shellac by the formation of composite films based on shellac and gelatin. <i>Journal of Food Engineering</i> , 2012, 108, 94-102.	2.7	87
6	Development of time-, pH-, and enzyme-controlled colonic drug delivery using spray-dried chitosan acetate and hydroxypropyl methylcellulose. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 253-259.	2.0	81
7	Self-Nanoemulsifying Drug Delivery System of Nifedipine: Impact of Hydrophilic/Lipophilic Balance and Molecular Structure of Mixed Surfactants. <i>AAPS PharmSciTech</i> , 2014, 15, 456-464.	1.5	71
8	Preparation and in vitro evaluation of a multiple-unit floating drug delivery system based on gas formation technique. <i>International Journal of Pharmaceutics</i> , 2006, 324, 136-143.	2.6	62
9	Formation of shellac succinate having improved enteric film properties through dry media reaction. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 335-344.	2.0	61
10	Buccal administration of mucoadhesive blend films saturated with propranolol loaded nanoparticles. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 34-43.	4.3	61
11	The effect of surfactant on the physical properties of coconut oil nanoemulsions. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 409-414.	4.3	56
12	Effect of Chitosan Salts and Molecular Weight on a Nanoparticulate Carrier for Therapeutic Protein. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 189-196.	1.1	53
13	Effect of Salts and Plasticizers on Stability of Shellac Film. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 687-692.	2.4	47
14	Effect of Molecular Weight and Concentration of Polyethylene Glycol on Physicochemical Properties and Stability of Shellac Film. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12934-12940.	2.4	46
15	Design and characterization of clindamycin-loaded nanofiber patches composed of polyvinyl alcohol and tamarind seed gum and fabricated by electrohydrodynamic atomization. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 450-458.	4.3	45
16	Swelling kinetics of spray-dried chitosan acetate assessed by magnetic resonance imaging and their relation to drug release kinetics of chitosan matrix tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 320-326.	2.0	41
17	Use of spray-dried chitosan acetate and ethylcellulose as compression coats for colonic drug delivery: Effect of swelling on triggering in vitro drug release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 356-361.	2.0	40
18	Enhanced dissolution and oral bioavailability of nifedipine by spontaneous emulsifying powders: Effect of solid carriers and dietary state. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 91, 25-34.	2.0	35

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19	Design and characterization of monolaurin loaded electrospun shellac nanofibers with antimicrobial activity. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 459-471.	4.3	35
20	Preparation and Characterization of Hydroxypropyl Methylcellulose/Polycarbophil Mucoadhesive Blend Films Using a Mixture Design Approach. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 284-294.	0.6	34
21	Fabrication and characterization of spearmint oil loaded nanoemulsions as cytotoxic agents against oral cancer cell. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 425-437.	4.3	34
22	Modulation of drug release kinetics of shellac-based matrix tablets by in-situ polymerization through annealing process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 1004-1013.	2.0	33
23	Effect of Ultrasonic Treatment on Physical Properties of Tapioca Starch. <i>Advanced Materials Research</i> , 0, 506, 294-297.	0.3	32
24	Application of multiple stepwise spinning disk processing for the synthesis of poly(methyl acrylates) coated chitosan diclofenac sodium nanoparticles for colonic drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 303-311.	1.9	31
25	Nanoparticle formation by using shellac and chitosan for a protein delivery system. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 686-693.	1.1	31
26	Effect of Alkali Treatment on Properties of Native Shellac and Stability of Hydrolyzed Shellac. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 41-46.	1.1	30
27	A new self-emulsifying formulation of mefenamic acid with enhanced drug dissolution. <i>Asian Journal of Pharmaceutical Sciences</i> , 2015, 10, 121-127.	4.3	30
28	Design and characterisation of electrospun shellac-polyvinylpyrrolidone blended micro/nanofibres loaded with monolaurin for application in wound healing. <i>International Journal of Pharmaceutics</i> , 2019, 562, 258-270.	2.6	29
29	Polyethylene Glycol on Stability of Chitosan Microparticulate Carrier for Protein. <i>AAPS PharmSciTech</i> , 2010, 11, 1376-1382.	1.5	28
30	Wax-incorporated Emulsion Gel Beads of Calcium Pectinate for Intragastric Floating Drug Delivery. <i>AAPS PharmSciTech</i> , 2008, 9, 571-576.	1.5	23
31	Pectin-Based Bioadhesive Delivery of Carbenoxolone Sodium for Aphthous Ulcers in Oral Cavity. <i>AAPS PharmSciTech</i> , 2010, 11, 743-751.	1.5	22
32	Spontaneous Emulsification of Nifedipine-Loaded Self-Nanoemulsifying Drug Delivery System. <i>AAPS PharmSciTech</i> , 2015, 16, 435-443.	1.5	22
33	Fabrication of thermally stabilized shellac through solid state reaction with phthalic anhydride. <i>Materials Letters</i> , 2011, 65, 1241-1244.	1.3	20
34	Enhancement of Moisture Protective Properties and Stability of Pectin through Formation of a Composite Film: Effects of Shellac and Plasticizer. <i>Journal of Food Science</i> , 2017, 82, 2915-2925.	1.5	20
35	Formulation and evaluation of gels containing coconut kernel extract for topical application. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 415-424.	4.3	20
36	Fluconazole-loaded solid lipid nanoparticles (SLNs) as a potential carrier for buccal drug delivery of oral candidiasis treatment using the Box-Behnken design. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102437.	1.4	20

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37	Design and characterization of prednisolone-loaded nanoparticles fabricated by electrohydrodynamic atomization technique. <i>Chemical Engineering Research and Design</i> , 2016, 109, 816-823.	2.7	18
38	Phytochemical analysis of baby corn silk extracts. <i>Journal of Ayurveda and Integrative Medicine</i> , 2020, 11, 344-351.	0.9	18
39	Elucidation of Solid-State Complexation in Ground Mixtures of Cholic Acid and Guest Compounds.. <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 887-891.	0.6	17
40	Fabrication of spontaneous emulsifying powders for improved dissolution of poorly water-soluble drugs. <i>Powder Technology</i> , 2015, 271, 100-108.	2.1	17
41	Potential of different salt forming agents on the formation of chitosan nanoparticles as carriers for protein drug delivery systems. <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 37-44.	2.7	17
42	Comparison of eleven heavy metals in moringa oleifera lam. products. <i>Indian Journal of Pharmaceutical Sciences</i> , 2015, 77, 485.	1.0	16
43	Enhancement of solubility and oral bioavailability of manidipine by formation of ternary solid dispersion with $\alpha$ -tocopherol polyethylene glycol 1000 succinate and copovidone. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 2064-2075.	0.9	15
44	Specific complexation of ursodeoxycholic acid with guest compounds induced by co-grinding. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2815-2820.	1.3	14
45	Physicochemical property, fatty acid composition, and antioxidant activity of ostrich oils using different rendering methods. <i>LWT - Food Science and Technology</i> , 2018, 93, 45-50.	2.5	12
46	Complex Formation between Deoxycholic Acid and Menadione by Grinding and Sealed Heating Methods.. <i>Chemical and Pharmaceutical Bulletin</i> , 1997, 45, 1358-1362.	0.6	11
47	Optimization and comparison of GC-FID and HPLC-ELSD methods for determination of lauric acid, mono-, di-, and trilaurins in modified coconut oil. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1099, 110-116.	1.2	10
48	Incorporation of fixed oils into spearmint oil-loaded nanoemulsions and their influence on characteristic and cytotoxic properties against human oral cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102443.	1.4	10
49	Novel Strategy to Fabricate Floating Drug Delivery System Based on Sublimation Technique. <i>AAPS PharmSciTech</i> , 2016, 17, 693-699.	1.5	9
50	Development and characterization of nifedipine-amino methacrylate copolymer solid dispersion powders with various adsorbents. <i>Asian Journal of Pharmaceutical Sciences</i> , 2017, 12, 335-343.	4.3	9
51	Chitosan film containing antifungal agent-loaded SLNs for the treatment of candidiasis using a Box-Behnken design. <i>Carbohydrate Polymers</i> , 2022, 283, 119178.	5.1	9
52	Effects of gamma irradiation under vacuum and air packaging atmospheres on the phytochemical contents, biological activities, and microbial loads of <i>Kaempferia parviflora</i> rhizomes. <i>Radiation Physics and Chemistry</i> , 2020, 173, 108947.	1.4	8
53	A 1:1 Deoxycholic Acid-Salicylic Acid Complex. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 803-805.	0.4	7
54	Preparation and Characterization of Shellac Fiber as a Novel Material for Controlled Drug Release. <i>Advanced Materials Research</i> , 2010, 152-153, 1232-1235.	0.3	7

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55	A New Approach for the Preparation of Bleached Shellac for Pharmaceutical Application: Solid Method. <i>Advanced Materials Research</i> , 0, 506, 250-253.	0.3	7
56	Molecular interactions of the inclusion complexes of hinokitiol and various cyclodextrins. <i>AAPS PharmSciTech</i> , 2017, 18, 2717-2726.	1.5	7
57	Mechanochemical Complexation between Deoxycholic Acid and Salicylic Acid. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1998, 31, 367-379.	1.6	6
58	Effect of Guest Species on Inclusion Compound Formation of Deoxycholic Acid by Co-Grinding. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 1573-1579.	2.0	6
59	Effect of Physical Aging on Physical Properties of Pregelatinized Tapioca Starch. <i>Advanced Materials Research</i> , 2012, 506, 35-38.	0.3	6
60	Simplified Qualitative Analysis of Glycerides Derived from Coconut Oil Using Thin Layer Chromatography. <i>Advanced Materials Research</i> , 2012, 506, 182-185.	0.3	6
61	Factors affecting formation of nanoemulsions containing modified coconut oil and spearmint oil. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 227-228.	4.3	6
62	Design of Experiment Approach for Fabrication Process of Electrospun Shellac Nanofibers Using Factorial Designs. <i>Key Engineering Materials</i> , 0, 757, 120-124.	0.4	6
63	Shellac-Based Coating Polymer for Agricultural Applications. , 2019, , 487-524.		6
64	Optimum condition of conventional bleaching process for bleached shellac. <i>Journal of Food Process Engineering</i> , 2019, 42, e13291.	1.5	6
65	Effect of Chitosan Salts and Molecular Weight on a Nanoparticulate Carrier for Therapeutic Protein. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 189-196.	1.1	6
66	Optimization of Ultrasound-Assisted Extraction of Yields and Total Methoxyflavone Contents from <i>Kaempferia parviflora</i> Rhizomes. <i>Molecules</i> , 2022, 27, 4162.	1.7	6
67	Chemical Constituents, Antioxidant Activities, and Element Concentrations of Rusa Deer Velvet Antler Extracts. <i>Journal of Chemistry</i> , 2020, 2020, 1-8.	0.9	5
68	Development of Electrospun Shellac and Hydroxypropyl Cellulose Blended Nanofibers for Drug Carrier Application. <i>Key Engineering Materials</i> , 0, 859, 239-243.	0.4	5
69	Impact of Fixed Oil on Ostwald Ripening of Anti-Oral Cancer Nanoemulsions Loaded with Amomum kravanh Essential Oil. <i>Pharmaceutics</i> , 2022, 14, 938.	2.0	5
70	Manufacture of Ternary Solid Dispersions Composed of Nifedipine, Eudragit <sup>®</sup> E and Adsorbent. <i>Advanced Materials Research</i> , 2011, 317-319, 185-188.	0.3	3
71	Determination of Surface Free Energy and Contact Angle for Hydrolyzed Shellac. <i>Advanced Materials Research</i> , 2012, 506, 270-273.	0.3	3
72	Effect of Glycerol on Properties of Tapioca Starch-Based Films. <i>Advanced Materials Research</i> , 0, 1060, 128-132.	0.3	3

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73	Dissolution improvement by solid dispersions composed of nifedipine, Eudragit® E and silica from rice husk. Asian Journal of Pharmaceutical Sciences, 2016, 11, 195-196.	4.3	3
74	Influence of Emulsifiers on Physical Properties of Oil/Water Emulsions Containing Ostrich Oil. Key Engineering Materials, 2018, 777, 592-596.	0.4	3
75	Improvement of Bleached Shellac as Enteric Coating by Composite Formation. AAPS PharmSciTech, 2021, 22, 241.	1.5	3
76	Assessment of Shellac as Alternative Material for Preparation of Fused Deposition Modeling (FDM) 3D Printing Filaments. Key Engineering Materials, 0, 914, 53-62.	0.4	3
77	Monolaurin-Loaded Gel-Like Microemulsion for Oropharyngeal Candidiasis Treatment: Structural Characterisation and In Vitro Antifungal Property. AAPS PharmSciTech, 2022, 23, 87.	1.5	3
78	Effect of 2-Amino 2-Methyl 1,3 Propanediol on Enteric Properties of Film Prepared from Ammoniated-Based Shellac Composite Salts. Advanced Materials Research, 0, 93-94, 467-470.	0.3	2
79	Design of Shellac-Based Film with Improved Mechanical Properties through Composite Formation with Clay. Advanced Materials Research, 2012, 506, 290-293.	0.3	2
80	Factors Affecting Design of Shellac-Based Matrix Tablet through Annealing Process. Advanced Materials Research, 2012, 506, 421-424.	0.3	2
81	Fabrication of Shellac-Based Effervescent Floating Matrix Tablet as a Novel Carrier for Controlling of Drug Release. Advanced Materials Research, 2013, 747, 135-138.	0.3	2
82	Comparison of Solvent Miscibility of Coconut Oil and its Modified Forms. Advanced Materials Research, 0, 1060, 151-154.	0.3	2
83	Fabrication of Shellac-Zein Based Matrix Tablet as a Carrier for Controlling of Drug Release. Advanced Materials Research, 2014, 1060, 50-53.	0.3	2
84	Determination of mono-, di-, and trilaurin in modified coconut oil using HPLC-ELSD. Asian Journal of Pharmaceutical Sciences, 2016, 11, 223-224.	4.3	2
85	Improved stability of solid dispersions of manidipine with polyethylene glycol 4000/copovidone blends: application of ternary phase diagram. Drug Development and Industrial Pharmacy, 2017, 43, 483-491.	0.9	2
86	Preparation and characterization of triamterene complex with ascorbic acid derivatives. Drug Development and Industrial Pharmacy, 2020, 46, 2032-2040.	0.9	2
87	Alteration of crystallinity and thermal properties from incompatibility between ibuprofen and boundary lubricants. Materials Today: Proceedings, 2021, 47, 3500-3500.	0.9	2
88	Development of Antimicrobial Nanoemulsions Containing <i>Nelumbo nucifera</i> Extract. Key Engineering Materials, 0, 859, 226-231.	0.4	2
89	Preparation and Properties of Anti-Nail-Biting Lacquers Containing Shellac and Bitter Herbal Extract. International Journal of Polymer Science, 2021, 2021, 1-13.	1.2	2
90	Design of Nanoemulsions through Combination of Fixed-Volatile Oils. Key Engineering Materials, 2011, 486, 123-126.	0.4	1

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91	Dissolution Improvement of Itraconazole by a Nanoparticulate System Containing Lecithin-Pectin Complexes. <i>Advanced Materials Research</i> , 0, 747, 162-165.	0.3	1
92	Factors Affecting Formation of Emulsions Containing Soybean Oil. <i>Advanced Materials Research</i> , 2013, 747, 725-728.	0.3	1
93	Enhanced Mechanical Properties of Shellac Films by Incorporation of Modified Coconut Oil. <i>Advanced Materials Research</i> , 0, 1060, 119-123.	0.3	1
94	Effects of shellac and modified coconut oil on the quality of gamma irradiated rambutan fruit. <i>Acta Horticulturae</i> , 2018, , 139-144.	0.1	1
95	Preparation and assessment of poly(methacrylic acid-coethylene glycol dimethacrylate) as a novel disintegrant. <i>Tropical Journal of Pharmaceutical Research</i> , 2018, 17, 1475.	0.2	1
96	Shelf-Life Extension of Dried <i>Kaempferia parviflora</i> Rhizomes by Gamma Irradiation. <i>Key Engineering Materials</i> , 2020, 859, 252-257.	0.4	1
97	Effect of Alkali Treatment on Properties of Native Shellac and Stability of Hydrolyzed Shellac. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 41-46.	1.1	1
98	Design of Taste Masked Dextromethorphan Through Incorporation Into Shellac-Based Matrix. <i>Advanced Science Letters</i> , 2012, 14, 409-412.	0.2	1
99	USING A SIMPLEX CENTROID DESIGN AND FATTY ACIDS TO OPTIMIZE FLUCONAZOLE-LOADED SOLID LIPID NANOPARTICLES (SLNs). <i>International Journal of Applied Pharmaceutics</i> , 0, , 206-209.	0.3	1
100	Anticancer Activity of Nanoemulsions Loading Biomaterial & Amomum kravanh Oil against Oral Cancer Cells. <i>Key Engineering Materials</i> , 0, 914, 31-36.	0.4	1
101	Formation and Characterization of Shellac Phthalate Succinate through Organic Solvent-Free Reaction. <i>Advanced Materials Research</i> , 0, 506, 186-189.	0.3	0
102	Ultrasound Effect on Swelling Properties and Drug Release Behaviors of Spray-Dried Tapioca Starch Tablets. <i>Advanced Materials Research</i> , 2013, 747, 131-134.	0.3	0
103	Determination of Monolaurin in Solution Preparations Composed of Modified Coconut Oil Using GC-FID. <i>Advanced Materials Research</i> , 2014, 1060, 203-206.	0.3	0
104	Factors Affecting Physical Properties of Prednisolone Loaded Nanoparticles Fabricated by Electrohydrodynamic Atomization Technique. <i>Advanced Materials Research</i> , 0, 1060, 103-106.	0.3	0
105	Preface: Special issue for the "Asian Federation for Pharmaceutical Sciences (AFPS) 2015 Conference" Asian Journal of Pharmaceutical Sciences, 2016, 11, 1.	4.3	0
106	Formulation and Evaluation of Antifungal Shampoo Containing Modified Coconut Oil for Tinea Capitis Treatment. <i>Key Engineering Materials</i> , 2019, 819, 130-135.	0.4	0
107	Development of Nanoemulsions Containing Coconut Oil with Mixed Emulsifiers: Effect of Mixing Speed on Physical Properties. <i>Key Engineering Materials</i> , 2019, 819, 181-186.	0.4	0
108	Fabrication of Enteric Release Tablet without Coating Process by Using Bleached Shellac. <i>Key Engineering Materials</i> , 0, 819, 33-37.	0.4	0

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109	Effect of Modified Hydroxypropyl Tapioca Starch and Percentage of Drug Loading on Physical Property of Paracetamol Tablet. Key Engineering Materials, 0, 859, 3-8.	0.4	0