

Pradeep R Vavia

List of Publications by Year in descending order

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119
papers

4,446
citations

109321
35
h-index

118850
62
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120
all docs

120
docs citations

120
times ranked

4466
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-acting microspheres of Human Chorionic Gonadotropin hormone: In-vitro and in-vivo evaluation. International Journal of Pharmaceutics, 2022, 611, 121312.	5.2	9
2	Pickering Dry Emulsion System for Improved Oral Delivery of Fenofibrate. AAPS PharmSciTech, 2022, 23, .	3.3	0
3	Dexamethasone Sodium Phosphate Loaded Modified Cyclodextrin Based Nanoparticles: An Efficient Treatment for Rheumatoid Arthritis. Journal of Pharmaceutical Sciences, 2021, 110, 1206-1218.	3.3	15
4	Novel pulsed oxygen plasma mediated surface hydrophobization of ritonavir for the enhancement of wettability and solubility. Journal of Drug Delivery Science and Technology, 2021, 63, 102497.	3.0	3
5	Layer-by-Layer Assembled Nanostructured Lipid Carriers for CD-44 Receptor-Based Targeting in HIV-Infected Macrophages for Efficient HIV-1 Inhibition. AAPS PharmSciTech, 2021, 22, 171.	3.3	7
6	Etravirine-loaded dissolving microneedle arrays for long-acting delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 165, 41-51.	4.3	53
7	Multi-organ targeting of HIV-1 viral reservoirs with etravirine loaded nanostructured lipid carrier: An in-vivo proof of concept. European Journal of Pharmaceutical Sciences, 2021, 164, 105916.	4.0	17
8	Dual loaded nanostructured lipid carrier of nano-selenium and Etravirine as a potential anti-HIV therapy. International Journal of Pharmaceutics, 2021, 607, 120986.	5.2	18
9	Tuning ligand number to enhance selectivity of paclitaxel liposomes towards ovarian cancer. Journal of Drug Delivery Science and Technology, 2021, 66, 102809.	3.0	5
10	Pulsed plasma surface modified omeprazole microparticles for delayed release application. Journal of Drug Delivery Science and Technology, 2021, 66, 102905.	3.0	5
11	Arginolipid: A membrane-active antifungal agent and its synergistic potential to combat drug resistance in clinical Candida isolates. Archiv Der Pharmazie, 2020, 353, 1900180.	4.1	4
12	Effect of Glucosamine Conjugate-Functionalized Liposomes on Glioma Cell and Healthy Brain: An Insight for Future Application in Brain Infusion. AAPS PharmSciTech, 2020, 21, 24.	3.3	4
13	Synthesis, Characterization, and Drug Delivery Application of Self-assembling Amphiphilic Cyclodextrin. AAPS PharmSciTech, 2020, 21, 11.	3.3	13
14	Chitosan oligosaccharide enhances binding of nanostructured lipid carriers to ocular mucins: Effect on ocular disposition. International Journal of Pharmaceutics, 2020, 577, 119095.	5.2	41
15	Bioavailability Enhancement of Olmesartan Medoxomil Using Hot-Melt Extrusion: In-Silico, In-Vitro, and In-Vivo Evaluation. AAPS PharmSciTech, 2020, 21, 254.	3.3	4
16	Niosomes for nose-to-brain delivery of bromocriptine: Formulation development, efficacy evaluation and toxicity profiling. Journal of Drug Delivery Science and Technology, 2020, 58, 101791.	3.0	22
17	Bromocriptine Nanoemulsion-Loaded Transdermal Gel: Optimization Using Factorial Design, In Vitro and In Vivo Evaluation. AAPS PharmSciTech, 2020, 21, 80.	3.3	15
18	Efavirenz Loaded Nanostructured Lipid Carriers for Efficient and Prolonged Viral Inhibition in HIV-Infected Macrophages. Pharmaceutical Sciences, 2020, 27, 418-432.	0.2	5

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19	Cationic cholesterol derivative efficiently delivers the genes: in silico and in vitro studies. Drug Delivery and Translational Research, 2019, 9, 106-122.	5.8	16
20	Solidified nanostructured lipid carrier (S-NLC) for enhancing the oral bioavailability of ezetimibe. Journal of Drug Delivery Science and Technology, 2019, 53, 101211.	3.0	20
21	Exploring molecular dynamics simulation to predict binding with ocular mucin: An in silico approach for screening mucoadhesive materials for ocular retentive delivery systems. Journal of Controlled Release, 2019, 309, 190-202.	9.9	35
22	Selectivity Enhancement of Paclitaxel Liposome Towards Folate Receptor-Positive Tumor Cells by Ligand Number Optimization Approach. AAPS PharmSciTech, 2019, 20, 317.	3.3	7
23	Nanostructured Lipid Carrier of Propofol: a Promising Alternative to Marketed Soybean Oil-Based Nanoemulsion. AAPS PharmSciTech, 2019, 20, 201.	3.3	11
24	Rational Design of Cholesterol Derivative for Improved Stability of Paclitaxel Cationic Liposomes. Pharmaceutical Research, 2018, 35, 90.	3.5	14
25	Development and characterization of an organic solvent free, proliposomal formulation of Busulfan using quality by design approach. International Journal of Pharmaceutics, 2018, 535, 360-370.	5.2	11
26	Novel nanosuspension-based dissolving microneedle arrays for transdermal delivery of a hydrophobic drug. Journal of Interdisciplinary Nanomedicine, 2018, 3, 89-101.	3.6	80
27	Liposils: An effective strategy for stabilizing Paclitaxel loaded liposomes by surface coating with silica. European Journal of Pharmaceutical Sciences, 2018, 122, 51-63.	4.0	33
28	Effect of Lipid Composition in Propofol Formulations: Decisive Component in Reducing the Free Propofol Content and Improving Pharmacodynamic Profiles. AAPS PharmSciTech, 2017, 18, 441-450.	3.3	8
29	Supercritical processed starch nanosponge as a carrier for enhancement of dissolution and pharmacological efficacy of fenofibrate. International Journal of Biological Macromolecules, 2017, 99, 713-720.	7.5	14
30	In Vivo Anticancer Efficacy and Toxicity Studies of a Novel Polymer Conjugate N-Acetyl Glucosamine (NAG)-PEG-Doxorubicin for Targeted Cancer Therapy. AAPS PharmSciTech, 2017, 18, 3021-3033.	3.3	11
31	Zero order controlled release delivery of cholecalciferol from injectable biodegradable microsphere: In-vitro characterization and in-vivo pharmacokinetic studies. European Journal of Pharmaceutical Sciences, 2017, 107, 78-86.	4.0	31
32	Dodecylamine Template-Based Hexagonal Mesoporous Silica (HMS) as a Carrier for Improved Oral Delivery of Fenofibrate. AAPS PharmSciTech, 2017, 18, 2764-2773.	3.3	27
33	Nose to Brain Delivery of Rivastigmine by In Situ Gelling Cationic Nanostructured Lipid Carriers: Enhanced Brain Distribution and Pharmacodynamics. Journal of Pharmaceutical Sciences, 2017, 106, 3613-3622.	3.3	68
34	Novel bilayer dissolving microneedle arrays with concentrated PLGA nano-microparticles for targeted intradermal delivery: Proof of concept. Journal of Controlled Release, 2017, 265, 93-101.	9.9	109
35	Glucosamine-anchored doxorubicin-loaded targeted nano-niosomes: pharmacokinetic, toxicity and pharmacodynamic evaluation. Journal of Drug Targeting, 2016, 24, 730-743.	4.4	37
36	Glucosamine anchored cancer targeted nano-vesicular drug delivery system of doxorubicin. Journal of Drug Targeting, 2016, 24, 68-79.	4.4	33

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37	Efficacy Interactions of PEG-DOX-N-acetyl Glucosamine Prodrug Conjugate for Anticancer Therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 454-463.	4.3	17
38	Serratiopeptidase Loaded Chitosan Nanoparticles by Polyelectrolyte Complexation: In Vitro and In Vivo Evaluation. AAPS PharmSciTech, 2015, 16, 59-66.	3.3	23
39	Rivastigmine-loaded in situ gelling nanostructured lipid carriers for nose to brain delivery. Journal of Liposome Research, 2015, 25, 141-149.	3.3	69
40	Nanoemulsified orlistat-embedded multi-unit pellet system (MUPS) with improved dissolution and pancreatic lipase inhibition. Pharmaceutical Development and Technology, 2014, 19, 31-41.	2.4	15
41	Naltrexone-loaded poly[La-(Glc-Leu)] polymeric microspheres for the treatment of alcohol dependence: in vitro characterization and in vivo biocompatibility assessment. Pharmaceutical Development and Technology, 2014, 19, 385-394.	2.4	15
42	Self-assembled nanocomplexes of anionic pullulan and polyallylamine for DNA and pH-sensitive intracellular drug delivery. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	26
43	Fabrication and statistical optimization of a polysaccharide-based sublingual film of buprenorphine hydrochloride for breakthrough pain management: in vitro and in vivo performance. Drug Delivery and Translational Research, 2014, 4, 116-125.	5.8	2
44	Arginoplexes: an arginine-anchored nanoliposomal carrier for gene delivery. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	14
45	Electron capture detection of oxybutynin in plasma: precolumn derivatization approach and application to a pharmacokinetic study. Analytical Methods, 2014, 6, 1455.	2.7	3
46	Bioavailability, bioequivalence, and in vitro-in vivo correlation of oxybutynin transdermal patch in rabbits. Drug Delivery and Translational Research, 2014, 4, 105-115.	5.8	8
47	Oral delivery of paclitaxel nanocrystal (PNC) with a dual Pgp-CYP3A4 inhibitor: Preparation, characterization and antitumor activity. International Journal of Pharmaceutics, 2014, 472, 214-223.	5.2	47
48	Novel L-Lactide-Depsipeptide Polymeric Carrier for Enhanced Brain Uptake of Rivastigmine in Treatment of Alzheimer's Disease. Journal of Biomedical Nanotechnology, 2014, 10, 415-426.	1.1	15
49	Development, characterisation and evaluation of supersaturated triglyceride free drug delivery (s-TFDDS) of lornoxicam. Drug Delivery and Translational Research, 2013, 3, 392-401.	5.8	1
50	Niosomes as a vesicular carrier for topical administration of minoxidil: formulation and in vitro assessment. Drug Delivery and Translational Research, 2013, 3, 587-592.	5.8	57
51	Cyclodextrin-based nanosponges: effective nanocarrier for Tamoxifen delivery. Pharmaceutical Development and Technology, 2013, 18, 619-625.	2.4	123
52	Structural evidence of differential forms of nanosponges of beta-cyclodextrin and its effect on solubilization of a model drug. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 76, 201-211.	1.6	56
53	Fabrication of isradipine nanosuspension by anti-solvent microprecipitation-high-pressure homogenization method for enhancing dissolution rate and oral bioavailability. Drug Delivery and Translational Research, 2013, 3, 384-391.	5.8	26
54	Nanolipidgel for Enhanced Skin Deposition and Improved Antifungal Activity. AAPS PharmSciTech, 2013, 14, 222-233.	3.3	55

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55	Niosomal Gel of Lornoxicam for Topical Delivery: In vitro Assessment and Pharmacodynamic Activity. AAPS PharmSciTech, 2013, 14, 1072-1082.	3.3	76
56	Design and evaluation of Lumefantrine “Oleic acid self nanoemulsifying ionic complex for enhanced dissolution. DARU, Journal of Pharmaceutical Sciences, 2013, 21, 27.	2.0	47
57	Effect of permeation enhancers on dynamic mechanical properties of acrylate pressure sensitive adhesives. International Journal of Pharmaceutics, 2013, 458, 141-147.	5.2	5
58	Amorphous ternary cyclodextrin nanocomposites of telmisartan for oral drug delivery: Improved solubility and reduced pharmacokinetic variability. International Journal of Pharmaceutics, 2013, 453, 423-432.	5.2	40
59	Nanosuspension Based In Situ Gelling Nasal Spray of Carvedilol: Development, In Vitro and In Vivo Characterization. AAPS PharmSciTech, 2013, 14, 189-199.	3.3	72
60	Encapsulation of Acyclovir in new carboxylated cyclodextrin-based nanosponges improves the agent's antiviral efficacy. International Journal of Pharmaceutics, 2013, 443, 262-272.	5.2	144
61	Soluble Itraconazole in Tablet Form Using Disordered Drug Delivery Approach: Critical Scale-up Considerations and Bio-equivalence Studies. AAPS PharmSciTech, 2013, 14, 360-374.	3.3	11
62	Preparation and characterization of solid lipid nanoparticle-based nasal spray of budesonide. Drug Delivery and Translational Research, 2013, 3, 402-408.	5.8	18
63	Nanosponges Encapsulating Dexamethasone for Ocular Delivery: Formulation Design, Physicochemical Characterization, Safety and Corneal Permeability Assessment. Journal of Biomedical Nanotechnology, 2013, 9, 998-1007.	1.1	70
64	Rivastigmine Loaded L-Lactide-Depsipeptide Polymeric Nanoparticles: Decisive Formulation Variables Optimization. Scientia Pharmaceutica, 2013, 81, 865-885.	2.0	34
65	Poly[LA-(Glc-Leu)] copolymer as a carrier for ocular delivery of ciprofloxacin: formulation, characterization and <i>in vivo</i> biocompatibility study. Therapeutic Delivery, 2013, 4, 553-565.	2.2	6
66	Medium Chain Triglyceride (MCT) Rich, Paclitaxel Loaded Self Nanoemulsifying Preconcentrate (PSNP): A Safe and Efficacious Alternative to Taxol<sup>®</sup>. Journal of Biomedical Nanotechnology, 2013, 9, 1996-2006.	1.1	34
67	Felodipine Î²-cyclodextrin complex as an active core for time delayed chronotherapeutic treatment of hypertension. Acta Pharmaceutica, 2012, 62, 395-410.	2.0	6
68	Rice Germ Oil as Multifunctional Excipient in Preparation of Self-Microemulsifying Drug Delivery System (SMEDDS) of Tacrolimus. AAPS PharmSciTech, 2012, 13, 254-261.	3.3	24
69	Design, synthesis and evaluation of N-acetyl glucosamine (NAG)“PEG”doxorubicin targeted conjugates for anticancer delivery. International Journal of Pharmaceutics, 2012, 436, 183-193.	5.2	44
70	Design of a gastroretentive mucoadhesive dosage form of furosemide for controlled release. Acta Pharmaceutica Sinica B, 2012, 2, 509-517.	12.0	35
71	Osmotic Pellet System Comprising Osmotic Core and In-Process Amorphized Drug in Polymer“Surfactant Layer for Controlled Delivery of Poorly Water-Soluble Drug. Journal of Pharmaceutical Sciences, 2012, 101, 3169-3179.	3.3	3
72	Complexation approach for fixed dose tablet formulation of lopinavir and ritonavir: an anomalous relationship between stability constant, dissolution rate and saturation solubility. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 73, 75-85.	1.6	9

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73	Effect of decisive formulation variables on bioencapsulation efficiency and integrity of yeast biocapsules for oral itraconazole delivery. <i>Journal of Microencapsulation</i> , 2011, 28, 311-322.	2.8	6
74	An optimized commercially feasible milling technique for molecular encapsulation of meloxicam in β -cyclodextrin. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 1318-1328.	2.0	13
75	Paclitaxel Loaded Nanosponges: In-Vitro Characterization and Cytotoxicity Study on MCF-7 Cell Line Culture. <i>Current Drug Delivery</i> , 2011, 8, 194-202.	1.6	67
76	Cyclodextrin-Based Nanosponges for Delivery of Resveratrol: In Vitro Characterisation, Stability, Cytotoxicity and Permeation Study. <i>AAPS PharmSciTech</i> , 2011, 12, 279-286.	3.3	280
77	Cyclodextrin nanosponges as effective gas carriers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 71, 189-194.	1.6	72
78	Nanosponge formulations as oxygen delivery systems. <i>International Journal of Pharmaceutics</i> , 2010, 402, 254-257.	5.2	106
79	Evaluation of Synthesized Cross Linked Polyvinyl Alcohol as Potential Disintegrant. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2010, 13, 114.	2.1	25
80	Enhanced oral paclitaxel bioavailability after administration of paclitaxel-loaded nanosponges. <i>Drug Delivery</i> , 2010, 17, 419-425.	5.7	116
81	Cyclodextrin-based nanosponges encapsulating camptothecin: Physicochemical characterization, stability and cytotoxicity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 193-201.	4.3	263
82	Drug loaded poly[Lac(Glc-Leu)] microparticles: Formulation and release characteristics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 336-339.	5.0	2
83	Diclofenac-loaded biopolymeric nanosuspensions for ophthalmic application. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 90-95.	3.3	130
84	Formulation and Performance Characterization of Radio-Sterilized α -Progestin-Only Microparticles Intended for Contraception. <i>AAPS PharmSciTech</i> , 2009, 10, 443-452.	3.3	18
85	Stability Studies of Microparticulate System with Piroxicam as Model Drug. <i>AAPS PharmSciTech</i> , 2009, 10, 872-80.	3.3	26
86	Fabrication, characterization and in vivo studies of biodegradable gamma sterilized injectable microparticles for contraception. <i>Pharmaceutical Development and Technology</i> , 2009, 14, 278-289.	2.4	4
87	Pharmacokinetics of intramuscular microparticle depot of valdecoxib in an experimental model. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 1043-1047.	2.0	2
88	Physicochemical, in silico and in vivo evaluation of a danazol- β -cyclodextrin complex. <i>International Journal of Pharmaceutics</i> , 2008, 352, 5-16.	5.2	50
89	Preparation and Evaluation of Taste Masked Famotidine Formulation Using Drug/ β -cyclodextrin/Polymer Ternary Complexation Approach. <i>AAPS PharmSciTech</i> , 2008, 9, 544-550.	3.3	81
90	Gamma irradiated micro system for long-term parenteral contraception: An alternative to synthetic polymers. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 35, 307-317.	4.0	20

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91	Bioadhesive Ranitidine Hydrochloride for Gastroretention with Controlled Microenvironmental pH. Drug Development and Industrial Pharmacy, 2008, 34, 860-869.	2.0	18
92	Evaluation of alkyl polyglucoside as an alternative surfactant in the preparation of peptide-loaded nanoparticles. Journal of Microencapsulation, 2008, 25, 531-540.	2.8	23
93	Preparation and in vivo evaluation of SMEDDS (self-microemulsifying drug delivery system) containing fenofibrate. AAPS Journal, 2007, 9, E344-E352.	4.4	191
94	Danazol- β -cyclodextrin binary system: A potential application in emergency contraception by the oral route. AAPS PharmSciTech, 2007, 8, E61-E70.	3.3	13
95	Novel sustained release, swellable and bioadhesive gastroretentive drug delivery system for ofloxacin. International Journal of Pharmaceutics, 2006, 316, 86-92.	5.2	182
96	Inclusion Complexation of Anti-HIV Drug with β -Cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 56, 253-259.	1.6	11
97	Interaction of Valdecoxib with β -cyclodextrin: Experimental and Molecular Modeling Studies. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 56, 261-273.	1.6	10
98	Effects of Formulation Variables on the Formation of Nanoparticles Prepared from L-Lactide-Depsipeptide Copolymer. Journal of Biomedical Nanotechnology, 2006, 2, 239-244.	1.1	7
99	Development of sustained release gastroretentive drug delivery system for ofloxacin: In vitro and in vivo evaluation. International Journal of Pharmaceutics, 2005, 304, 178-184.	5.2	97
100	Electron beam irradiation: a novel technology for the development of transdermal system of isosorbide dinitrate. International Journal of Pharmaceutics, 2004, 270, 47-54.	5.2	6
101	The influence of absorption enhancers on nasal absorption of acyclovir. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 57, 483-487.	4.3	31
102	Controlled porosity osmotic pump-based controlled release systems of pseudoephedrine HCl. Cellulose acetate as a semipermeable membrane. Journal of Controlled Release, 2003, 89, 5-18.	9.9	107
103	Acrylate-based pressure sensitive adhesive in fabrication of transdermal therapeutic system. Polymers for Advanced Technologies, 2003, 14, 502-507.	3.2	9
104	Acrylate-Based Transdermal Therapeutic System of Nitrendipine. Drug Development and Industrial Pharmacy, 2003, 29, 71-78.	2.0	20
105	Formulation Optimization and Stability Study of Transdermal Therapeutic System of Nicorandil. Pharmaceutical Development and Technology, 2002, 7, 325-332.	2.4	19
106	Once daily sustained release tablets of venlafaxine, a novel antidepressant. European Journal of Pharmaceutics and Biopharmaceutics, 2002, 54, 9-15.	4.3	42
107	Stability indicating LC method for the estimation of venlafaxine in pharmaceutical formulations. Journal of Pharmaceutical and Biomedical Analysis, 2002, 28, 1055-1059.	2.8	41
108	Synthesis and characterization of an acrylate pressure sensitive adhesive for transdermal drug delivery. Polymers for Advanced Technologies, 2002, 13, 137-143.	3.2	13

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109	Eudragits: Role as crystallization inhibitors in drug-in-adhesive transdermal systems of estradiol. European Journal of Pharmaceutics and Biopharmaceutics, 2001, 52, 173-180.	4.3	62
110	Oxidative degradation study of nitrendipine using stability indicating, HPLC, HPTLC and spectrophotometric method. Journal of Pharmaceutical and Biomedical Analysis, 2001, 24, 705-714.	2.8	22
111	Stability indicating HPTLC method for the simultaneous determination of pseudoephedrine and cetirizine in pharmaceutical formulations. Journal of Pharmaceutical and Biomedical Analysis, 2001, 25, 663-667.	2.8	79
112	Acrylate terpolymer in fabrication of medicated skin patches. Polymers for Advanced Technologies, 2001, 12, 466-474.	3.2	5
113	HPTLC method to study skin permeation of acyclovir. Journal of Pharmaceutical and Biomedical Analysis, 2000, 23, 1017-1022.	2.8	9
114	Simultaneous determination of $\hat{1}$, $\hat{2}$ and $\hat{3}$ cyclodextrins by LC. Journal of Pharmaceutical and Biomedical Analysis, 2000, 22, 661-666.	2.8	10
115	Stability indicating HPTLC determination of piroxicam. Journal of Pharmaceutical and Biomedical Analysis, 2000, 22, 673-677.	2.8	29
116	Stability indicating HPTLC method for the estimation of estradiol. Journal of Pharmaceutical and Biomedical Analysis, 2000, 22, 667-671.	2.8	17
117	Freeze-Dried Inclusion Complexes of Tolfenamic Acid with $\hat{2}$ -Cyclodextrins. Pharmaceutical Development and Technology, 2000, 5, 571-574.	2.4	12
118	Inclusion Complexation of Nimesulide with $\hat{2}$ -Cyclodextrins. Drug Development and Industrial Pharmacy, 1999, 25, 543-545.	2.0	22
119	Nanostructured Lipid Carriers (NLCs) of Lumefantrine with Enhanced Permeation. Journal of Pharmaceutical Innovation, 0, , 1.	2.4	3