

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
g-index

120
all docs

120
docs citations

120
times ranked

4466
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclodextrin-Based Nanosponges for Delivery of Resveratrol: In Vitro Characterisation, Stability, Cytotoxicity and Permeation Study. AAPS PharmSciTech, 2011, 12, 279-286.	3.3	280
2	Cyclodextrin-based nanosponges encapsulating camptothecin: Physicochemical characterization, stability and cytotoxicity. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 193-201.	4.3	263
3	Preparation and in vivo evaluation of SMEDDS (self-microemulsifying drug delivery system) containing fenofibrate. AAPS Journal, 2007, 9, E344-E352.	4.4	191
4	Novel sustained release, swellable and bioadhesive gastroretentive drug delivery system for ofloxacin. International Journal of Pharmaceutics, 2006, 316, 86-92.	5.2	182
5	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
6	Diclofenac-loaded biopolymeric nanosuspensions for ophthalmic application. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 90-95.	3.3	130
7	Cyclodextrin-based nanosponges: effective nanocarrier for Tamoxifen delivery. Pharmaceutical Development and Technology, 2013, 18, 619-625.	2.4	123
8	Enhanced oral paclitaxel bioavailability after administration of paclitaxel-loaded nanosponges. Drug Delivery, 2010, 17, 419-425.	5.7	116
9	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
10	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
11	Nanosponge formulations as oxygen delivery systems. International Journal of Pharmaceutics, 2010, 402, 254-257.	5.2	106
12	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
13	Preparation and Evaluation of Taste Masked Famotidine Formulation Using Drug/β-cyclodextrin/Polymer Ternary Complexation Approach. AAPS PharmSciTech, 2008, 9, 544-550.	3.3	81
14	Novel nanosuspension-based dissolving microneedle arrays for transdermal delivery of a hydrophobic drug. Journal of Interdisciplinary Nanomedicine, 2018, 3, 89-101.	3.6	80
15	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
16	Niosomal Gel of Lornoxicam for Topical Delivery: In vitro Assessment and Pharmacodynamic Activity. AAPS PharmSciTech, 2013, 14, 1072-1082.	3.3	76
17	Cyclodextrin nanosponges as effective gas carriers. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 189-194.	1.6	72
18	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

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19	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
20	Rivastigmine-loaded<i>in situ</i>gelling nanostructured lipid carriers for nose to brain delivery. Journal of Liposome Research, 2015, 25, 141-149.	3.3	69
21	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
22	Paclitaxel Loaded Nanosponges: In-Vitro Characterization and Cytotoxicity Study on MCF-7 Cell Line Culture. Current Drug Delivery, 2011, 8, 194-202.	1.6	67
23	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
24	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
25	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
26	Nanolipidgel for Enhanced Skin Deposition and Improved Antifungal Activity. AAPS PharmSciTech, 2013, 14, 222-233.	3.3	55
27	Etravirine-loaded dissolving microneedle arrays for long-acting delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 165, 41-51.	4.3	53
28	Physicochemical, in silico and in vivo evaluation of a danazolâ€” β -cyclodextrin complex. International Journal of Pharmaceutics, 2008, 352, 5-16.	5.2	50
29	Design and evaluation of Lumefantrine â€” Oleic acid self nanoemulsifying ionic complex for enhanced dissolution. DARU, Journal of Pharmaceutical Sciences, 2013, 21, 27.	2.0	47
30	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
31	Design, synthesis and evaluation of N-acetyl glucosamine (NAG)â€”PEGâ€”doxorubicin targeted conjugates for anticancer delivery. International Journal of Pharmaceutics, 2012, 436, 183-193.	5.2	44
32	Once daily sustained release tablets of venlafaxine, a novel antidepressant. European Journal of Pharmaceutics and Biopharmaceutics, 2002, 54, 9-15.	4.3	42
33	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
34	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
35	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
36	Glucosamine-anchored doxorubicin-loaded targeted nano-niosomes: pharmacokinetic, toxicity and pharmacodynamic evaluation. Journal of Drug Targeting, 2016, 24, 730-743.	4.4	37

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37	Design of a gastroretentive mucoadhesive dosage form of furosemide for controlled release. <i>Acta Pharmaceutica Sinica B</i> , 2012, 2, 509-517.	12.0	35
38	Exploring molecular dynamics simulation to predict binding with ocular mucin: An in silico approach for screening mucoadhesive materials for ocular retentive delivery systems. <i>Journal of Controlled Release</i> , 2019, 309, 190-202.	9.9	35
39	Rivastigmine Loaded L-Lactide-Depsipeptide Polymeric Nanoparticles: Decisive Formulation Variables Optimization. <i>Scientia Pharmaceutica</i> , 2013, 81, 865-885.	2.0	34
40	Medium Chain Triglyceride (MCT) Rich, Paclitaxel Loaded Self Nanoemulsifying Preconcentrate (PSNP): A Safe and Efficacious Alternative to Taxol®. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1996-2006.	1.1	34
41	Glucosamine anchored cancer targeted nano-vesicular drug delivery system of doxorubicin. <i>Journal of Drug Targeting</i> , 2016, 24, 68-79.	4.4	33
42	Liposils: An effective strategy for stabilizing Paclitaxel loaded liposomes by surface coating with silica. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 51-63.	4.0	33
43	The influence of absorption enhancers on nasal absorption of acyclovir. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 57, 483-487.	4.3	31
44	Zero order controlled release delivery of cholecalciferol from injectable biodegradable microsphere: In-vitro characterization and in-vivo pharmacokinetic studies. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 78-86.	4.0	31
45	Stability indicating HPTLC determination of piroxicam. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 22, 673-677.	2.8	29
46	Dodecylamine Template-Based Hexagonal Mesoporous Silica (HMS) as a Carrier for Improved Oral Delivery of Fenofibrate. <i>AAPS PharmSciTech</i> , 2017, 18, 2764-2773.	3.3	27
47	Stability Studies of Microparticulate System with Piroxicam as Model Drug. <i>AAPS PharmSciTech</i> , 2009, 10, 872-80.	3.3	26
48	Fabrication of isradipine nanosuspension by anti-solvent microprecipitation–high-pressure homogenization method for enhancing dissolution rate and oral bioavailability. <i>Drug Delivery and Translational Research</i> , 2013, 3, 384-391.	5.8	26
49	Self-assembled nanocomplexes of anionic pullulan and polyallylamine for DNA and pH-sensitive intracellular drug delivery. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	26
50	Evaluation of Synthesized Cross Linked Polyvinyl Alcohol as Potential Disintegrant. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2010, 13, 114.	2.1	25
51	Rice Germ Oil as Multifunctional Excipient in Preparation of Self-Microemulsifying Drug Delivery System (SMEDDS) of Tacrolimus. <i>AAPS PharmSciTech</i> , 2012, 13, 254-261.	3.3	24
52	Evaluation of alkyl polyglucoside as an alternative surfactant in the preparation of peptide-loaded nanoparticles. <i>Journal of Microencapsulation</i> , 2008, 25, 531-540.	2.8	23
53	Serratiopeptidase Loaded Chitosan Nanoparticles by Polyelectrolyte Complexation: In Vitro and In Vivo Evaluation. <i>AAPS PharmSciTech</i> , 2015, 16, 59-66.	3.3	23
54	Inclusion Complexation of Nimesulide with β -Cyclodextrins. <i>Drug Development and Industrial Pharmacy</i> , 1999, 25, 543-545.	2.0	22

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55	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
56	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
57	Acrylate-Based Transdermal Therapeutic System of Nitrendipine. Drug Development and Industrial Pharmacy, 2003, 29, 71-78.	2.0	20
58	Gamma irradiated micro system for long-term parenteral contraception: An alternative to synthetic polymers. European Journal of Pharmaceutical Sciences, 2008, 35, 307-317.	4.0	20
59	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
60	Formulation Optimization and Stability Study of Transdermal Therapeutic System of Nicorandil. Pharmaceutical Development and Technology, 2002, 7, 325-332.	2.4	19
61	Bioadhesive Ranitidine Hydrochloride for Gastroretention with Controlled Microenvironmental pH. Drug Development and Industrial Pharmacy, 2008, 34, 860-869.	2.0	18
62	Formulation and Performance Characterization of Radio-Sterilized “Progestin-Only” Microparticles Intended for Contraception. AAPS PharmSciTech, 2009, 10, 443-452.	3.3	18
63	Preparation and characterization of solid lipid nanoparticle-based nasal spray of budesonide. Drug Delivery and Translational Research, 2013, 3, 402-408.	5.8	18
64	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
65	Stability indicating HPTLC method for the estimation of estradiol. Journal of Pharmaceutical and Biomedical Analysis, 2000, 22, 667-671.	2.8	17
66	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
67	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
68	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
69	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
70	Naltrexone-loaded poly[La-(Glc-Leu)] polymeric microspheres for the treatment of alcohol dependence: <i>in vitro</i> characterization and <i>in vivo</i> biocompatibility assessment. Pharmaceutical Development and Technology, 2014, 19, 385-394.	2.4	15
71	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
72	Bromocriptine Nanoemulsion-Loaded Transdermal Gel: Optimization Using Factorial Design, In Vitro and In Vivo Evaluation. AAPS PharmSciTech, 2020, 21, 80.	3.3	15

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73	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
74	Arginoplexes: an arginine-anchored nanoliposomal carrier for gene delivery. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	14
75	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
76	Rational Design of Cholesterol Derivative for Improved Stability of Paclitaxel Cationic Liposomes. Pharmaceutical Research, 2018, 35, 90.	3.5	14
77	Synthesis and characterization of an acrylate pressure sensitive adhesive for transdermal drug delivery. Polymers for Advanced Technologies, 2002, 13, 137-143.	3.2	13
78	Danazol- β -cyclodextrin binary system: A potential application in emergency contraception by the oral route. AAPS PharmSciTech, 2007, 8, E61-E70.	3.3	13
79	An optimized commercially feasible milling technique for molecular encapsulation of meloxicam in β -cyclodextrin. Drug Development and Industrial Pharmacy, 2011, 37, 1318-1328.	2.0	13
80	Synthesis, Characterization, and Drug Delivery Application of Self-assembling Amphiphilic Cyclodextrin. AAPS PharmSciTech, 2020, 21, 11.	3.3	13
81	Freeze-Dried Inclusion Complexes of Tolfenamic Acid with β -Cyclodextrins. Pharmaceutical Development and Technology, 2000, 5, 571-574.	2.4	12
82	Inclusion Complexation of Anti-HIV Drug with β -Cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 56, 253-259.	1.6	11
83	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
84	In Vivo Anticancer Efficacy and Toxicity Studies of a Novel Polymer Conjugate N-Acetyl Glucosamine (NAG)- α -PEG- α -Doxorubicin for Targeted Cancer Therapy. AAPS PharmSciTech, 2017, 18, 3021-3033.	3.3	11
85	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
86	Nanostructured Lipid Carrier of Propofol: a Promising Alternative to Marketed Soybean Oil-Based Nanoemulsion. AAPS PharmSciTech, 2019, 20, 201.	3.3	11
87	Simultaneous determination of α , β and γ cyclodextrins by LC. Journal of Pharmaceutical and Biomedical Analysis, 2000, 22, 661-666.	2.8	10
88	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
89	HPTLC method to study skin permeation of acyclovir. Journal of Pharmaceutical and Biomedical Analysis, 2000, 23, 1017-1022.	2.8	9
90	Acrylate-based pressure sensitive adhesive in fabrication of transdermal therapeutic system. Polymers for Advanced Technologies, 2003, 14, 502-507.	3.2	9

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91	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
92	Long-acting microspheres of Human Chorionic Gonadotropin hormone: In-vitro and in-vivo evaluation. International Journal of Pharmaceutics, 2022, 611, 121312.	5.2	9
93	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
94	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
95	Selectivity Enhancement of Paclitaxel Liposome Towards Folate Receptor-Positive Tumor Cells by Ligand Number Optimization Approach. AAPS PharmSciTech, 2019, 20, 317.	3.3	7
96	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
97	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
98	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
99	Effect of decisive formulation variables on bioencapsulation efficiency and integrity of yeast biocapsules for oral itraconazole delivery. Journal of Microencapsulation, 2011, 28, 311-322.	2.8	6
100	Felodipine Î²-cyclodextrin complex as an active core for time delayed chronotherapeutic treatment of hypertension. Acta Pharmaceutica, 2012, 62, 395-410.	2.0	6
101	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
102	Acrylate terpolymer in fabrication of medicated skin patches. Polymers for Advanced Technologies, 2001, 12, 466-474.	3.2	5
103	Effect of permeation enhancers on dynamic mechanical properties of acrylate pressure sensitive adhesives. International Journal of Pharmaceutics, 2013, 458, 141-147.	5.2	5
104	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
105	Efavirenz Loaded Nanostructured Lipid Carriers for Efficient and Prolonged Viral Inhibition in HIV-Infected Macrophages. Pharmaceutical Sciences, 2020, 27, 418-432.	0.2	5
106	Pulsed plasma surface modified omeprazole microparticles for delayed release application. Journal of Drug Delivery Science and Technology, 2021, 66, 102905.	3.0	5
107	Fabrication, characterization and in vivo studies of biodegradable gamma sterilized injectable microparticles for contraception. Pharmaceutical Development and Technology, 2009, 14, 278-289.	2.4	4
108	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

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109	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
110	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
111	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
112	Electron capture detection of oxybutynin in plasma: precolumn derivatization approach and application to a pharmacokinetic study. Analytical Methods, 2014, 6, 1455.	2.7	3
113	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
114	Nanostructured Lipid Carriers (NLCs) of Lumefantrine with Enhanced Permeation. Journal of Pharmaceutical Innovation, 0, , 1.	2.4	3
115	Drug loaded poly[Lac(Glc-Leu)] microparticles: Formulation and release characteristics. Colloids and Surfaces B: Biointerfaces, 2009, 74, 336-339.	5.0	2
116	Pharmacokinetics of intramuscular microparticle depot of valdecoxib in an experimental model. Drug Development and Industrial Pharmacy, 2009, 35, 1043-1047.	2.0	2
117	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
118	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
119	Pickering Dry Emulsion System for Improved Oral Delivery of Fenofibrate. AAPS PharmSciTech, 2022, 23, .	3.3	0