

Abhay Sangamwar

List of Publications by Year in descending order

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169
papers

5,802
citations

71102

41
h-index

110387

64
g-index

172
all docs

172
docs citations

172
times ranked

7002
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyelectrolyte stabilized multilayered liposomes for oral delivery of paclitaxel. <i>Biomaterials</i> , 2012, 33, 6758-6768.	11.4	159
2	Toxicity of Multiwalled Carbon Nanotubes with End Defects Critically Depends on Their Functionalization Density. <i>Chemical Research in Toxicology</i> , 2011, 24, 2028-2039.	3.3	153
3	Folate-decorated PLGA nanoparticles as a rationally designed vehicle for the oral delivery of insulin. <i>Nanomedicine</i> , 2012, 7, 1311-1337.	3.3	148
4	Improved Stability and Antidiabetic Potential of Insulin Containing Folic Acid Functionalized Polymer Stabilized Multilayered Liposomes Following Oral Administration. <i>Biomacromolecules</i> , 2014, 15, 350-360.	5.4	141
5	Oral bioavailability, therapeutic efficacy and reactive oxygen species scavenging properties of coenzyme Q10-loaded polymeric nanoparticles. <i>Biomaterials</i> , 2011, 32, 6860-6874.	11.4	137
6	Oral Delivery of Doxorubicin Using Novel Polyelectrolyte-Stabilized Liposomes (Layersomes). <i>Molecular Pharmaceutics</i> , 2012, 9, 2626-2635.	4.6	137
7	Hyaluronate Tethered, "Smart" Multiwalled Carbon Nanotubes for Tumor-Targeted Delivery of Doxorubicin. <i>Bioconjugate Chemistry</i> , 2012, 23, 2201-2213.	3.6	127
8	Gelatin Coated Hybrid Lipid Nanoparticles for Oral Delivery of Amphotericin B. <i>Molecular Pharmaceutics</i> , 2012, 9, 2542-2553.	4.6	113
9	Potential of erlotinib cyclodextrin nanosponge complex to enhance solubility, dissolution rate, in vitro cytotoxicity and oral bioavailability. <i>Carbohydrate Polymers</i> , 2016, 137, 339-349.	10.2	109
10	Novel self-emulsifying formulation of quercetin for improved in vivo antioxidant potential: Implications for drug-induced cardiotoxicity and nephrotoxicity. <i>Free Radical Biology and Medicine</i> , 2013, 65, 117-130.	2.9	94
11	Nanoemulsion loaded gel for topical co-delivery of clobetasol propionate and calcipotriol in psoriasis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1473-1482.	3.3	90
12	Solid lipid nanoparticles and nanostructured lipid carrier-based nanotherapeutics in treatment of psoriasis: a comparative study. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 165-177.	5.0	88
13	Improved stability and immunological potential of tetanus toxoid containing surface engineered bilosomes following oral administration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 431-440.	3.3	85
14	Nanostructured lipid carrier mediates effective delivery of methotrexate to induce apoptosis of rheumatoid arthritis via NF- κ B and FOXO1. <i>International Journal of Pharmaceutics</i> , 2016, 499, 301-320.	5.2	84
15	Fucose decorated solid-lipid nanocarriers mediate efficient delivery of methotrexate in breast cancer therapeutics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 114-126.	5.0	83
16	Co-delivery of docetaxel and gemcitabine by anacardic acid modified self-assembled albumin nanoparticles for effective breast cancer management. <i>Acta Biomaterialia</i> , 2018, 73, 424-436.	8.3	83
17	Assessment of penetration potential of pH responsive double walled biodegradable nanogels coated with eucalyptus oil for the controlled delivery of 5-fluorouracil: In vitro and ex vivo studies. <i>Journal of Controlled Release</i> , 2017, 253, 122-136.	9.9	82
18	Cell-penetrating peptides (CPPs): an overview of applications for improving the potential of nanotherapeutics. <i>Biomaterials Science</i> , 2021, 9, 1153-1188.	5.4	77

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19	Enhanced Antitumor Efficacy and Reduced Toxicity of Docetaxel Loaded Estradiol Functionalized Stealth Polymeric Nanoparticles. <i>Molecular Pharmaceutics</i> , 2015, 12, 3871-3884.	4.6	72
20	Positively charged self-nanoemulsifying oily formulations of olmesartan medoxomil: Systematic development, in vitro, ex vivo and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , 2015, 493, 466-482.	5.2	68
21	Functionalized Lipid-Polymer Hybrid Nanoparticles Mediated Codelivery of Methotrexate and Aceclofenac: A Synergistic Effect in Breast Cancer with Improved Pharmacokinetics Attributes. <i>Molecular Pharmaceutics</i> , 2017, 14, 1883-1897.	4.6	66
22	Solidified Self-Nanoemulsifying Formulation for Oral Delivery of Combinatorial Therapeutic Regimen: Part I. Formulation Development, Statistical Optimization, and In Vitro Characterization. <i>Pharmaceutical Research</i> , 2014, 31, 923-945.	3.5	65
23	Methotrexate and beta-carotene loaded-lipid polymer hybrid nanoparticles: a preclinical study for breast cancer. <i>Nanomedicine</i> , 2017, 12, 1851-1872.	3.3	65
24	pH Responsive 5-Fluorouracil Loaded Biocompatible Nanogels For Topical Chemotherapy of Aggressive Melanoma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 232-245.	5.0	65
25	Novel drug delivery system: an immense hope for diabetics. <i>Drug Delivery</i> , 2016, 23, 2371-2390.	5.7	63
26	Natural lipids enriched self-nano-emulsifying systems for effective co-delivery of tamoxifen and naringenin: Systematic approach for improved breast cancer therapeutics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1703-1713.	3.3	61
27	pH responsive biodegradable nanogels for sustained release of bleomycin. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4595-4613.	3.0	59
28	Enhanced Biopharmaceutical Performance of Rivaroxaban through Polymeric Amorphous Solid Dispersion. <i>Molecular Pharmaceutics</i> , 2018, 15, 652-668.	4.6	59
29	Drug-Phospholipid Complex—a Go Through Strategy for Enhanced Oral Bioavailability. <i>AAPS PharmSciTech</i> , 2019, 20, 43.	3.3	57
30	Multifunctional approaches utilizing polymeric micelles to circumvent multidrug resistant tumors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 581-590.	5.0	56
31	Nanostructured lipid carriers of olmesartan medoxomil with enhanced oral bioavailability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 154, 10-20.	5.0	55
32	µ-Poly-L-Lysine/plasmid DNA nanoplexes for efficient gene delivery in vivo. <i>International Journal of Pharmaceutics</i> , 2018, 542, 142-152.	5.2	55
33	Fabrication and functional attributes of lipidic nanoconstructs of lycopene: An innovative endeavour for enhanced cytotoxicity in MCF-7 breast cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 482-491.	5.0	50
34	Co-delivery of docetaxel and gemcitabine using PEGylated self-assembled stealth nanoparticles for improved breast cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1629-1641.	3.3	49
35	Novel self-nanoemulsifying formulation of quercetin: Implications of pro-oxidant activity on the anticancer efficacy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, e959-e969.	3.3	48
36	Development and characterization of single step self-assembled lipid polymer hybrid nanoparticles for effective delivery of methotrexate. <i>RSC Advances</i> , 2015, 5, 62989-62999.	3.6	47

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37	Development of a topical adapalene-solid lipid nanoparticle loaded gel with enhanced efficacy and improved skin tolerability. <i>RSC Advances</i> , 2015, 5, 43917-43929.	3.6	46
38	Novel Gemcitabine Conjugated Albumin Nanoparticles: a Potential Strategy to Enhance Drug Efficacy in Pancreatic Cancer Treatment. <i>Pharmaceutical Research</i> , 2017, 34, 2295-2311.	3.5	46
39	Enhanced dermal delivery of acyclovir using solid lipid nanoparticles. <i>Drug Delivery and Translational Research</i> , 2011, 1, 395-406.	5.8	45
40	Beta carotene-loaded zein nanoparticles to improve the biopharmaceutical attributes and to abolish the toxicity of methotrexate: a preclinical study for breast cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 402-412.	2.8	45
41	Chondroitin Sulfate: Emerging biomaterial for biopharmaceutical purpose and tissue engineering. <i>Carbohydrate Polymers</i> , 2022, 286, 119305.	10.2	45
42	Î±-Tocopherol as functional excipient for resveratrol and coenzyme Q10-loaded SNEDDS for improved bioavailability and prophylaxis of breast cancer. <i>Journal of Drug Targeting</i> , 2017, 25, 554-565.	4.4	43
43	Tocophersolan stabilized lipid nanocapsules with high drug loading to improve the permeability and oral bioavailability of curcumin. <i>International Journal of Pharmaceutics</i> , 2019, 560, 219-227.	5.2	43
44	Enhanced antitumor efficacy and counterfeited cardiotoxicity of combinatorial oral therapy using Doxorubicin- and Coenzyme Q10-liquid crystalline nanoparticles in comparison with intravenous Adriamycin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1231-1241.	3.3	42
45	Synthesis, biological evaluation and 3D-QSAR study of hydrazide, semicarbazide and thiosemicarbazide derivatives of 4-(adamantan-1-yl)quinoline as anti-tuberculosis agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 255-267.	5.5	42
46	Polymeric micelles of amphiphilic graft copolymer of Î±-tocopherol succinate-g-carboxymethyl chitosan for tamoxifen delivery: Synthesis, characterization and in vivo pharmacokinetic study. <i>Carbohydrate Polymers</i> , 2016, 151, 1162-1174.	10.2	42
47	An investigation of in vivo wound healing activity of biologically synthesized silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	40
48	Synthesis, pharmacoscintigraphic evaluation and antitumor efficacy of methotrexate-loaded, folate-conjugated, stealth albumin nanoparticles. <i>Nanomedicine</i> , 2011, 6, 1733-1754.	3.3	39
49	Systematic development of novel cationic self-nanoemulsifying drug delivery systems of candesartan cilexetil with enhanced biopharmaceutical performance. <i>RSC Advances</i> , 2015, 5, 71500-71513.	3.6	39
50	Triple antioxidant SNEDDS formulation with enhanced oral bioavailability: Implication of chemoprevention of breast cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1431-1443.	3.3	39
51	Novel cationic supersaturable nanomicellar systems of raloxifene hydrochloride with enhanced biopharmaceutical attributes. <i>Drug Delivery and Translational Research</i> , 2018, 8, 670-692.	5.8	39
52	Combinatorial bio-conjugation of gemcitabine and curcumin enables dual drug delivery with synergistic anticancer efficacy and reduced toxicity. <i>RSC Advances</i> , 2014, 4, 29193-29201.	3.6	38
53	Active natural oil-based nanoemulsion containing tacrolimus for synergistic antipsoriatic efficacy. <i>Nanomedicine</i> , 2018, 13, 1985-1998.	3.3	37
54	Improved antitumor efficacy and reduced toxicity of docetaxel using anacardic acid functionalized stealth liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 213-223.	5.0	37

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55	Magnetic and structural characterization of transition metal co-doped CdS nanoparticles. Applied Nanoscience (Switzerland), 2012, 2, 127-131.	3.1	36
56	Comparative assessment of efficacy and safety potential of multifarious lipid based Tacrolimus loaded nanoformulations. International Journal of Pharmaceutics, 2019, 562, 96-104.	5.2	36
57	Polymeric micelles based on amphiphilic oleic acid modified carboxymethyl chitosan for oral drug delivery of bcs class iv compound: Intestinal permeability and pharmacokinetic evaluation. European Journal of Pharmaceutical Sciences, 2020, 153, 105466.	4.0	36
58	Tumor microenvironment responsive VEGF-antibody functionalized pH sensitive liposomes of docetaxel for augmented breast cancer therapy. Materials Science and Engineering C, 2021, 121, 111832.	7.3	36
59	Enhanced Transfection Efficiency and Reduced Cytotoxicity of Novel Lipid-Polymer Hybrid Nanoplexes. Molecular Pharmaceutics, 2013, 10, 2416-2425.	4.6	35
60	Development of an Inhaled Controlled Release Voriconazole Dry Powder Formulation for the Treatment of Respiratory Fungal Infection. Molecular Pharmaceutics, 2015, 12, 2001-2009.	4.6	35
61	Improved oral bioavailability and therapeutic efficacy of erlotinib through molecular complexation with phospholipid. International Journal of Pharmaceutics, 2017, 534, 1-13.	5.2	35
62	Improved metabolic stability and therapeutic efficacy of a novel molecular gemcitabine phospholipid complex. International Journal of Pharmaceutics, 2017, 530, 113-127.	5.2	35
63	Chemosensitizer and docetaxel-loaded albumin nanoparticle: overcoming drug resistance and improving therapeutic efficacy. Nanomedicine, 2018, 13, 2759-2776.	3.3	34
64	pH sensitive liposomes assisted specific and improved breast cancer therapy using co-delivery of SIRT1 shRNA and Docetaxel. Materials Science and Engineering C, 2021, 120, 111664.	7.3	34
65	The ligand (s) anchored lipobrid nanoconstruct mediated delivery of methotrexate: an effective approach in breast cancer therapeutics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2043-2060.	3.3	33
66	Novel surface-engineered solid lipid nanoparticles of rosuvastatin calcium for low-density lipoprotein-receptor targeting: a Quality by Design-driven perspective. Nanomedicine, 2017, 12, 333-356.	3.3	33
67	Surface engineered nanoliposomal platform for selective lymphatic uptake of asenapine maleate: In vitro and in vivo studies. Materials Science and Engineering C, 2020, 109, 110620.	7.3	33
68	Phytantriol Based "Stealth" Lyotropic Liquid Crystalline Nanoparticles for Improved Antitumor Efficacy and Reduced Toxicity of Docetaxel. Pharmaceutical Research, 2015, 32, 3282-3292.	3.5	31
69	"Liquid Crystalline Nanoparticles" Rationally Designed Vehicle To Improve Stability and Therapeutic Efficacy of Insulin Following Oral Administration. Molecular Pharmaceutics, 2017, 14, 1874-1882.	4.6	31
70	Mycophenolate co-administration with quercetin via lipid-polymer hybrid nanoparticles for enhanced breast cancer management. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102147.	3.3	31
71	Long chain fatty acid conjugation remarkably decreases the aggregation induced toxicity of Amphotericin B. International Journal of Pharmaceutics, 2018, 544, 1-13.	5.2	30
72	Facile development of biodegradable polymer-based nanotheranostics: Hydrophobic photosensitizers delivery, fluorescence imaging and photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2019, 193, 39-50.	3.8	30

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73	Immunostimulatory effect of tetanus toxoid loaded chitosan nanoparticles following microneedles assisted immunization. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 213-222.	3.3	29
74	Polyglutamic Acid Functionalization of Chitosan Nanoparticles Enhances the Therapeutic Efficacy of Insulin Following Oral Administration. <i>AAPS PharmSciTech</i> , 2019, 20, 131.	3.3	28
75	Liposomal Delivery of Mycophenolic Acid With Quercetin for Improved Breast Cancer Therapy in SD Rats. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 631.	4.1	28
76	Surface Stabilized Efavirenz Nanoparticles for Oral Bioavailability Enhancement. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1862-1874.	1.1	27
77	Folate appended chitosan nanoparticles augment the stability, bioavailability and efficacy of insulin in diabetic rats following oral administration. <i>RSC Advances</i> , 2015, 5, 105179-105193.	3.6	27
78	Highly respirable dry powder inhalable formulation of voriconazole with enhanced pulmonary bioavailability. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 183-193.	5.0	27
79	Improved Stability and Enhanced Oral Bioavailability of Atorvastatin Loaded Stearic Acid Modified Gelatin Nanoparticles. <i>Pharmaceutical Research</i> , 2017, 34, 1505-1516.	3.5	27
80	Freeze dried solid dispersion of exemestane: A way to negate an aqueous solubility and oral bioavailability problems. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 54-61.	4.0	27
81	Cyclosporine A loaded self-nanoemulsifying drug delivery system (SNEDDS): implication of a functional excipient based co-encapsulation strategy on oral bioavailability and nephrotoxicity. <i>RSC Advances</i> , 2015, 5, 49633-49642.	3.6	26
82	Codelivery of benzoyl peroxide & adapalene using modified liposomal gel for improved acne therapy. <i>Nanomedicine</i> , 2018, 13, 1481-1493.	3.3	26
83	Drug-Lipid Conjugates for Enhanced Oral Drug Delivery. <i>AAPS PharmSciTech</i> , 2019, 20, 41.	3.3	26
84	Insulin- and quercetin-loaded liquid crystalline nanoparticles: implications on oral bioavailability, antidiabetic and antioxidant efficacy. <i>Nanomedicine</i> , 2018, 13, 521-537.	3.3	25
85	Asenapine maleate-loaded nanostructured lipid carriers: optimization and <i>in vitro</i> , <i>ex vivo</i> and <i>in vivo</i> evaluations. <i>Nanomedicine</i> , 2019, 14, 889-910.	3.3	25
86	Exploring the Promising Potential of High Permeation Vesicle-Mediated Localized Transdermal Delivery of Docetaxel in Breast Cancer To Overcome the Limitations of Systemic Chemotherapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 2473-2486.	4.6	25
87	Orthogonal biofunctionalization of magnetic nanoparticles via "clickable" poly(ethylene glycol) silanes: a "universal ligand" strategy to design stealth and target-specific nanocarriers. <i>Journal of Materials Chemistry</i> , 2012, 22, 24652.	6.7	24
88	Synthesis, biological evaluation and 3D QSAR study of 2,4-disubstituted quinolines as anti-tuberculosis agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 511-522.	5.5	24
89	Improved Oral Bioavailability, Therapeutic Efficacy, and Reduced Toxicity of Tamoxifen-Loaded Liquid Crystalline Nanoparticles. <i>AAPS PharmSciTech</i> , 2018, 19, 460-469.	3.3	24
90	Co-administration of zinc phthalocyanine and quercetin via hybrid nanoparticles for augmented photodynamic therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 33, 102368.	3.3	24

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91	Exploring the potential of novel pH sensitive lipoplexes for tumor targeted gene delivery with reduced toxicity. <i>International Journal of Pharmaceutics</i> , 2020, 573, 118889.	5.2	23
92	Coenzyme Q10 and retinaldehyde co-loaded nanostructured lipid carriers for efficacy evaluation in wrinkles. <i>Journal of Drug Targeting</i> , 2018, 26, 333-344.	4.4	22
93	Synthesis and Biological Evaluation of 8-Hydroxyquinoline-Hydrazones for Anti-HIV and Anticancer Potential. <i>ChemistrySelect</i> , 2018, 3, 10727-10731.	1.5	22
94	Improved Oral Bioavailability and Gastrointestinal Stability of Amphotericin B through Fatty Acid Conjugation Approach. <i>Molecular Pharmaceutics</i> , 2019, 16, 4519-4529.	4.6	22
95	pH triggered and charge attracted nanogel for simultaneous evaluation of penetration and toxicity against skin cancer: In-vitro and ex-vivo study. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 740-751.	7.5	22
96	Alpha-lipoic acid-stearylamine conjugate-based solid lipid nanoparticles for tamoxifen delivery: formulation, optimization, in-vivo pharmacokinetic and hepatotoxicity study. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 1535-1550.	2.4	21
97	Identification of p38 MAP kinase inhibitors by pharmacophore based virtual screening. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 49, 18-24.	2.4	20
98	Lyotropic Liquid Crystalline Nanoparticles of Amphotericin B: Implication of Phytantriol and Glyceryl Monooleate on Bioavailability Enhancement. <i>AAPS PharmSciTech</i> , 2018, 19, 1699-1711.	3.3	20
99	Surfactant-assisted dispersion of carbon nanotubes: mechanism of stabilization and biocompatibility of the surfactant. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	19
100	Chem-bioinformatics and in vitro approaches for candidate optimization: a case study of NSC745689 as a promising antitumor agent. <i>Medicinal Chemistry Research</i> , 2013, 22, 3728-3742.	2.4	19
101	Advances in oral delivery of anti-cancer prodrugs. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 1759-1775.	5.0	19
102	Effect of co-administration of CoQ10-loaded nanoparticles on the efficacy and cardiotoxicity of doxorubicin-loaded nanoparticles. <i>RSC Advances</i> , 2013, 3, 14671.	3.6	18
103	Development of surface stabilized candesartan cilexetil nanocrystals with enhanced dissolution rate, permeation rate across CaCo-2, and oral bioavailability. <i>Drug Delivery and Translational Research</i> , 2016, 6, 498-510.	5.8	18
104	C-Type lectin receptor(s)-targeted nanoliposomes: an intelligent approach for effective cancer immunotherapy. <i>Nanomedicine</i> , 2017, 12, 1945-1959.	3.3	18
105	Design and Toxicity Evaluation of Novel Fatty Acid-Amino Acid-Based Biocompatible Surfactants. <i>AAPS PharmSciTech</i> , 2019, 20, 186.	3.3	18
106	Exploring an interesting dual functionality of anacardic acid for efficient paclitaxel delivery in breast cancer therapy. <i>Nanomedicine</i> , 2019, 14, 57-75.	3.3	18
107	A bird's eye view of the advanced approaches and strategies for overshadowing triple negative breast cancer. <i>Journal of Controlled Release</i> , 2021, 330, 72-100.	9.9	18
108	QbD-Steered Development of Biotin-Conjugated Nanostructured Lipid Carriers for Oral Delivery of Chrysin: Role of Surface Modification for Improving Biopharmaceutical Performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111429.	5.0	18

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109	Amorphous Salts Solid Dispersions of Celecoxib: Enhanced Biopharmaceutical Performance and Physical Stability. <i>Molecular Pharmaceutics</i> , 2021, 18, 2334-2348.	4.6	18
110	Implication of linker length on cell cytotoxicity, pharmacokinetic and toxicity profile of gemcitabine-docetaxel combinatorial dual drug conjugate. <i>International Journal of Pharmaceutics</i> , 2018, 548, 357-374.	5.2	17
111	Succinylated Î²-Lactoglobuline-Functionalized Multiwalled Carbon Nanotubes with Improved Colloidal Stability and Biocompatibility. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3361-3372.	5.2	17
112	Synthesis and characterization of Ni-doped CdSe nanoparticles: magnetic studies in 300â€“100Â°K temperature range. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 437-443.	3.1	16
113	Multicomponent Pharmaceutical Adducts of Î±-Eprosartan: Physicochemical Properties and Pharmacokinetic Study. <i>Crystal Growth and Design</i> , 2017, 17, 1589-1599.	3.0	16
114	Synthesis of CNS active thyrotropin-releasing hormone (TRH)-like peptides: Biological evaluation and effect on cognitive impairment induced by cerebral ischemia in mice. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5641-5653.	3.0	15
115	Characterization of differences in substrate specificity among CYP1A1, CYP1A2 and CYP1B1: an integrated approach employing molecular docking and molecular dynamics simulations. <i>Journal of Molecular Recognition</i> , 2016, 29, 370-390.	2.1	15
116	Formulation, optimization, and in vitroâ€“in vivo evaluation of olmesartan medoxomil nanocrystals. <i>Drug Delivery and Translational Research</i> , 2017, 7, 292-303.	5.8	15
117	Cyclodextrins as Carriers in Targeted Delivery of Therapeutic Agents: Focused Review on Traditional and Inimitable Applications. <i>Current Pharmaceutical Design</i> , 2019, 25, 444-454.	1.9	15
118	Development of voriconazole loaded large porous particles for inhalation delivery: effect of surface forces on aerosolisation performance, assessment of in vitro safety potential and uptake by macrophages. <i>RSC Advances</i> , 2015, 5, 38030-38043.	3.6	14
119	Divalent toxoids loaded stable chitosanâ€“glucomannan nanoassemblies for efficient systemic, mucosal and cellular immunostimulatory response following oral administration. <i>International Journal of Pharmaceutics</i> , 2015, 487, 292-304.	5.2	14
120	Stabilizing supersaturated drug-delivery system through mechanism of nucleation and crystal growth inhibition of drugs. <i>Therapeutic Delivery</i> , 2018, 9, 873-885.	2.2	14
121	Lipid and Biosurfactant Based Coreâ€“Shell-Type Nanocapsules Having High Drug Loading of Paclitaxel for Improved Breast Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6760-6769.	5.2	14
122	Biorelevant dissolution testing and physiologically based absorption modeling to predict in vivo performance of supersaturating drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120958.	5.2	14
123	Preparation and characterization of niosomal gel for iontophoresis mediated transdermal delivery of isosorbide dinitrate. <i>Drug Delivery and Translational Research</i> , 2011, 1, 309-321.	5.8	13
124	3D-QSAR and molecular docking studies of amino-pyrimidine derivatives as PknB inhibitors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 354-364.	5.3	13
125	Atomic force microscope manipulation of multiwalled and single walled carbon nanotubes with reflux and ultrasonic treatments. <i>Applied Nanoscience (Switzerland)</i> , 2014, 4, 19-26.	3.1	12
126	Modulation of tamoxifen-induced hepatotoxicity by tamoxifenâ€“phospholipid complex. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1198-1206.	2.4	12

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127	An investigation of surface properties, local elastic modulus and interaction with simulated pulmonary surfactant of surface modified inhalable voriconazole dry powders using atomic force microscopy. <i>RSC Advances</i> , 2016, 6, 25789-25798.	3.6	12
128	Amphotericin B Loaded Chitosan Nanoparticles: Implication of Bile Salt Stabilization on Gastrointestinal Stability, Permeability and Oral Bioavailability. <i>AAPS PharmSciTech</i> , 2018, 19, 3152-3164.	3.3	12
129	Novel biosurfactant and lipid core-shell type nanocapsular sustained release system for intravenous application of methotrexate. <i>International Journal of Pharmaceutics</i> , 2019, 557, 86-96.	5.2	12
130	Non-small cell lung cancer tumour antigen, MUC-1 peptide-loaded non-aggregated poly (lactide-co-glycolide) nanoparticles augmented cellular uptake in mouse professional antigen-presenting cells: optimisation and characterisation. <i>Journal of Microencapsulation</i> , 2020, 37, 14-28.	2.8	12
131	Potential of amphiphilic graft copolymer α -tocopherol succinate-g-carboxymethyl chitosan in modulating the permeability and anticancer efficacy of tamoxifen. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 149-159.	4.0	11
132	Insights on role of polymers in precipitation of celecoxib from supersaturated solutions as assessed by focused beam reflectance measurement (FBRM). <i>European Journal of Pharmaceutical Sciences</i> , 2019, 137, 104983.	4.0	11
133	Human pregnane X receptor: a novel target for anticancer drug development. <i>Drug Discovery Today</i> , 2014, 19, 63-70.	6.4	10
134	Effect of Different States of Sorbed Water on Amorphous Celecoxib. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 2033-2041.	3.3	10
135	Synthesis, Characterization, and Biodistribution of Quantum Dot-Celecoxib Conjugate in Mouse Paw Edema Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-8.	4.0	10
136	Assessment of Biopharmaceutical Performance of Supersaturating Formulations of Carbamazepine in Rats Using Physiologically Based Pharmacokinetic Modeling. <i>AAPS PharmSciTech</i> , 2019, 20, 179.	3.3	10
137	Synthesis and biology of ring-modified L-Histidine containing thyrotropin-releasing hormone (TRH) analogues. <i>European Journal of Medicinal Chemistry</i> , 2016, 111, 72-83.	5.5	9
138	Glycine-Poly-L-Lactic Acid Copolymeric Nanoparticles for the Efficient Delivery of Bortezomib. <i>Pharmaceutical Research</i> , 2019, 36, 160.	3.5	9
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