Bruno Sarmento

List of Publications by Year
in descending order

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396 papers	19,962 citations	10986 71 h-index	20358 116 g-index
448 all docs	448 docs citations	448 times ranked	22690 citing authors

#	Article	IF	Citations
1	Solid dispersions as strategy to improve oral bioavailability of poor water soluble drugs. Drug Discovery Today, 2007, 12, 1068-1075.	6.4	1,262
2	Alginate/Chitosan Nanoparticles are Effective for Oral Insulin Delivery. Pharmaceutical Research, 2007, 24, 2198-2206.	3.5	522
3	Characterization of insulin-loaded alginate nanoparticles produced by ionotropic pre-gelation through DSC and FTIR studies. Carbohydrate Polymers, 2006, 66, 1-7.	10.2	428
4	Mucoadhesive polymers in the design of nano-drug delivery systems for administration by non-parenteral routes: A review. Progress in Polymer Science, 2014, 39, 2030-2075.	24.7	382
5	InÂvitro evaluation of biodegradable lignin-based nanoparticles for drug delivery and enhanced antiproliferation effect in cancer cells. Biomaterials, 2017, 121, 97-108.	11.4	296
6	Amorphous solid dispersions: Rational selection of a manufacturing process. Advanced Drug Delivery Reviews, 2016, 100, 85-101.	13.7	279
7	Oral Bioavailability of Insulin Contained in Polysaccharide Nanoparticles. Biomacromolecules, 2007, 8, 3054-3060.	5.4	236
8	Establishment of a triple co-culture in vitro cell models to study intestinal absorption of peptide drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 83, 427-435.	4.3	225
9	Advanced Collagenâ€Based Biomaterials for Regenerative Biomedicine. Advanced Functional Materials, 2019, 29, 1804943.	14.9	219
10	Development and characterization of new insulin containing polysaccharide nanoparticles. Colloids and Surfaces B: Biointerfaces, 2006, 53, 193-202.	5.0	212
11	Lipid-based colloidal carriers for peptide and protein delivery–liposomes versus lipid nanoparticles. International Journal of Nanomedicine, 2007, 2, 595-607.	6.7	210
12	Insulin-Loaded Nanoparticles are Prepared by Alginate Ionotropic Pre-Gelation Followed by Chitosan Polyelectrolyte Complexation. Journal of Nanoscience and Nanotechnology, 2007, 7, 2833-2841.	0.9	200
13	Polymer-based nanoparticles for oral insulin delivery: Revisited approaches. Biotechnology Advances, 2015, 33, 1342-1354.	11.7	189
14	Nanotechnology and pulmonary delivery to overcome resistance in infectious diseases. Advanced Drug Delivery Reviews, 2013, 65, 1816-1827.	13.7	187
15	Nanotechnology-based systems for the treatment and prevention of HIV/AIDS. Advanced Drug Delivery Reviews, 2010, 62, 458-477.	13.7	179
16	Functionalizing PLGA and PLGA Derivatives for Drug Delivery and Tissue Regeneration Applications. Advanced Healthcare Materials, 2018, 7, 1701035.	7.6	173
17	Dual chitosan/albumin-coated alginate/dextran sulfate nanoparticles for enhanced oral delivery of insulin. Journal of Controlled Release, 2016, 232, 29-41.	9.9	168
18	Facts and evidences on the lyophilization of polymeric nanoparticles for drug delivery. Journal of Controlled Release, 2016, 225, 75-86.	9.9	167

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19	Oral Insulin Delivery: How Far are We?. Journal of Diabetes Science and Technology, 2013, 7, 520-531.	2.2	164
20	Nose-to-brain delivery of BACE1 siRNA loaded in solid lipid nanoparticles for Alzheimerâ€™s therapy. Colloids and Surfaces B: Biointerfaces, 2017, 152, 296-301.	5.0	163
21	Probing insulinâ€™s secondary structure after entrapment into alginate/chitosan nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 65, 10-17.	4.3	159
22	Towards the characterization of an in vitro triple co-culture intestine cell model for permeability studies. International Journal of Pharmaceutics, 2013, 458, 128-134.	5.2	157
23	Chitosan-coated solid lipid nanoparticles enhance the oral absorption of insulin. Drug Delivery and Translational Research, 2011, 1, 299-308.	5.8	150
24	On the issue of transparency and reproducibility in nanomedicine. Nature Nanotechnology, 2019, 14, 629-635.	31.5	149
25	Oral insulin delivery by means of solid lipid nanoparticles. International Journal of Nanomedicine, 2007, 2, 743-9.	6.7	149
26	Development and Comparison of Different Nanoparticulate Polyelectrolyte Complexes as Insulin Carriers. International Journal of Peptide Research and Therapeutics, 2006, 12, 131-138.	1.9	144
27	Smart Stimuli Sensitive Nanogels in Cancer Drug Delivery and Imaging: A Review. Current Pharmaceutical Design, 2013, 19, 7203-7218.	1.9	140
28	Mucoadhesive nanomedicines: characterization and modulation of mucoadhesion at the nanoscale. Expert Opinion on Drug Delivery, 2011, 8, 1085-1104.	5.0	131
29	The impact of nanoparticles on the mucosal translocation and transport of GLP-1 across the intestinal epithelium. Biomaterials, 2014, 35, 9199-9207.	11.4	127
30	Insulin-loaded alginate microspheres for oral delivery â€“ Effect of polysaccharide reinforcement on physicochemical properties and release profile. Carbohydrate Polymers, 2007, 69, 725-731.	10.2	126
31	Usefulness of Caco-2/HT29-MTX and Caco-2/HT29-MTX/Raji B Coculture Models To Predict Intestinal and Colonic Permeability Compared to Caco-2 Monoculture. Molecular Pharmaceutics, 2017, 14, 1264-1270.	4.6	123
32	Chitosan: An option for development of essential oil delivery systems for oral cavity care?. Carbohydrate Polymers, 2009, 76, 501-508.	10.2	118
33	Bioinspired Hydrogel Electrospun Fibers for Spinal Cord Regeneration. Advanced Functional Materials, 2019, 29, 1806899.	14.9	118
34	Advances in biomaterials for preventing tissue adhesion. Journal of Controlled Release, 2017, 261, 318-336.	9.9	115
35	Brain targeting effect of camptothecin-loaded solid lipid nanoparticles in rat after intravenous administration. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 488-502.	4.3	114
36	Chitosan-based nanoparticles for rosmarinic acid ocular deliveryâ€”In vitro tests. International Journal of Biological Macromolecules, 2016, 84, 112-120.	7.5	114

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37	Cell-basedin vitromodels for predicting drug permeability. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 607-621.	3.3	113
38	Effect of cryoprotectants on the porosity and stability of insulin-loaded PLGA nanoparticles after freeze-drying. Biomatter, 2012, 2, 329-339.	2.6	112
39	The progress of essential oils as potential therapeutic agents: a review. Journal of Essential Oil Research, 2020, 32, 279-295.	2.7	110
40	Facilitated nanoscale delivery of insulin across intestinal membrane models. International Journal of Pharmaceutics, 2011, 412, 123-131.	5.2	107
41	Chitosan-modified porous silicon microparticles for enhanced permeability of insulin across intestinal cell monolayers. Biomaterials, 2014, 35, 7172-7179.	11.4	105
42	Mannose-functionalized solid lipid nanoparticles are effective in targeting alveolar macrophages. European Journal of Pharmaceutical Sciences, 2018, 114, 103-113.	4.0	104
43	Polymer-based nanocarriers for vaginal drug delivery. Advanced Drug Delivery Reviews, 2015, 92, 53-70.	13.7	102
44	Mucoadhesive chitosan-coated solid lipid nanoparticles for better management of tuberculosis. International Journal of Pharmaceutics, 2018, 536, 478-485.	5.2	101
45	Potential chitosan-coated alginate nanoparticles for ocular delivery of daptomycin. European Journal of Clinical Microbiology and Infectious Diseases, 2015, 34, 1255-1262.	2.9	100
46	Microfluidic Assembly of a Multifunctional Tailorable Composite System Designed for Site Specific Combined Oral Delivery of Peptide Drugs. ACS Nano, 2015, 9, 8291-8302.	14.6	96
47	Neuroprotective Activity of Hypericum perforatum and Its Major Components. Frontiers in Plant Science, 2016, 7, 1004.	3.6	96
48	Effect of chitosan coating in overcoming the phagocytosis of insulin loaded solid lipid nanoparticles by mononuclear phagocyte system. Carbohydrate Polymers, 2011, 84, 919-925.	10.2	95
49	Thiolation and Cellâ€Penetrating Peptide Surface Functionalization of Porous Silicon Nanoparticles for Oral Delivery of Insulin. Advanced Functional Materials, 2016, 26, 3405-3416.	14.9	94
50	Overcoming cisplatin resistance in non-small cell lung cancer with Mad2 silencing siRNA delivered systemically using EGFR-targeted chitosan nanoparticles. Acta Biomaterialia, 2017, 47, 71-80.	8.3	94
51	Cetuximab conjugated O-carboxymethyl chitosan nanoparticles for targeting EGFR overexpressing cancer cells. Carbohydrate Polymers, 2013, 93, 661-669.	10.2	92
52	A new paradigm for antiangiogenic therapy through controlled release of bevacizumab from PLGA nanoparticles. Scientific Reports, 2017, 7, 3736.	3.3	92
53	The solid progress of nanomedicine. Drug Delivery and Translational Research, 2020, 10, 726-729.	5.8	91
54	Development and validation of a rapid reversed-phase HPLC method for the determination of insulin from nanoparticulate systems. Biomedical Chromatography, 2006, 20, 898-903.	1.7	90

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55	Stability Study Perspective of the Effect of Freeze-Drying Using Cryoprotectants on the Structure of Insulin Loaded into PLGA Nanoparticles. Biomacromolecules, 2014, 15, 3753-3765.	5.4	89
56	New trends in guided nanotherapies for digestive cancers: A systematic review. Journal of Controlled Release, 2015, 209, 288-307.	9.9	87
57	Nanoparticles-in-film for the combined vaginal delivery of anti-HIV microbicide drugs. Journal of Controlled Release, 2016, 243, 43-53.	9.9	86
58	Eradication of Helicobacter pylori: Past, present and future. Journal of Controlled Release, 2014, 189, 169-186.	9.9	83
59	The formulation of nanomedicines for treating tuberculosis. Advanced Drug Delivery Reviews, 2016, 102, 102-115.	13.7	83
60	Blood-brain barrier receptors and transporters: an insight on their function and how to exploit them through nanotechnology. Expert Opinion on Drug Delivery, 2019, 16, 271-285.	5.0	83
61	Mucoadhesive chitosan-coated PLGA nanoparticles for oral delivery of ferulic acid. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 993-1002.	2.8	81
62	Multifunctional magnetic iron oxide nanoparticles: diverse synthetic approaches, surface modifications, cytotoxicity towards biomedical and industrial applications. BMC Materials, 2019, 1, .	6.8	81
63	Study of the interactions between rosmarinic acid and bovine milk whey protein Î±-Lactalbumin, Î²-Lactoglobulin and Lactoferrin. Food Research International, 2015, 77, 450-459.	6.2	80
64	A comprehensive review of the neonatal Fc receptor and its application in drug delivery. , 2016, 161, 22-39.		80
65	Chitosan-Coated Solid Lipid Nanoparticles for Insulin Delivery. Methods in Enzymology, 2012, 508, 295-314.	1.0	78
66	Mucoadhesive nanosystems for vaginal microbicide development: friend or foe?. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 389-399.	6.1	77
67	Hydrolyzed Galactomannan-Modified Nanoparticles and Flower-Like Polymeric Micelles for the Active Targeting of Rifampicin to Macrophages. Journal of Biomedical Nanotechnology, 2013, 9, 1076-1087.	1.1	77
68	Multistage pH-responsive mucoadhesive nanocarriers prepared by aerosol flow reactor technology: A controlled dual protein-drug delivery system. Biomaterials, 2015, 68, 9-20.	11.4	77
69	Models to Predict Intestinal Absorption of Therapeutic Peptides and Proteins. Current Drug Metabolism, 2013, 14, 4-20.	1.2	76
70	Antimicrobial activity of cream incorporated with silver nanoparticles biosynthesized from Withania somnifera. International Journal of Nanomedicine, 2015, 10, 5955.	6.7	75
71	Polymeric Nanoparticles Affect the Intracellular Delivery, Antiretroviral Activity and Cytotoxicity of the Microbicide Drug Candidate Dapivirine. Pharmaceutical Research, 2012, 29, 1468-1484.	3.5	74
72	In Vitro and Ex Vivo Evaluation of Polymeric Nanoparticles for Vaginal and Rectal Delivery of the Anti-HIV Drug Dapivirine. Molecular Pharmaceutics, 2013, 10, 2793-2807.	4.6	74

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73	Chitosan nanoparticles for daptomycin delivery in ocular treatment of bacterial endophthalmitis. Drug Delivery, 2015, 22, 885-893.	5.7	74
74	Enhanced anti-angiogenic effects of bevacizumab in glioblastoma treatment upon intranasal administration in polymeric nanoparticles. Journal of Controlled Release, 2019, 309, 37-47.	9.9	74
75	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. Biomaterials, 2018, 185, 322-332.	11.4	73
76	Recent insights in the use of nanocarriers for the oral delivery of bioactive proteins and peptides. Peptides, 2018, 101, 112-123.	2.4	71
77	The role of mucus in cell-based models used to screen mucosal drug delivery. Advanced Drug Delivery Reviews, 2018, 124, 50-63.	13.7	67
78	Characterization of solid lipid nanoparticles produced with carnauba wax for rosmarinic acid oral delivery. RSC Advances, 2015, 5, 22665-22673.	3.6	66
79	Interactions of Microbicide Nanoparticles with a Simulated Vaginal Fluid. Molecular Pharmaceutics, 2012, 9, 3347-3356.	4.6	65
80	Therapeutic and Nutraceutical Potential of Rosmarinic Acid - Cytoprotective Properties and Pharmacokinetic Profile. Critical Reviews in Food Science and Nutrition, 2017, 57, 00-00.	10.3	65
81	Dissecting stromal-epithelial interactions in a 3D inÂvitro cellularized intestinal model for permeability studies. Biomaterials, 2015, 56, 36-45.	11.4	65
82	Novel amphiphilic chitosan micelles as carriers for hydrophobic anticancer drugs. Materials Science and Engineering C, 2020, 112, 110920.	7.3	65
83	Biodistribution and Pharmacokinetics of Dapivirine-Loaded Nanoparticles after Vaginal Delivery in Mice. Pharmaceutical Research, 2014, 31, 1834-1845.	3.5	64
84	Coffee silverskin: A possible valuable cosmetic ingredient. Pharmaceutical Biology, 2015, 53, 386-394.	2.9	64
85	Development and in vivo safety assessment of tenofovir-loaded nanoparticles-in-film as a novel vaginal microbicide delivery system. Acta Biomaterialia, 2016, 44, 332-340.	8.3	63
86	Combination of PLGA nanoparticles with mucoadhesive guar-gum films for buccal delivery of antihypertensive peptide. International Journal of Pharmaceutics, 2018, 547, 593-601.	5.2	63
87	Nanocarriers for pulmonary administration of peptides and therapeutic proteins. Nanomedicine, 2011, 6, 123-141.	3.3	62
88	Effect of freeze-drying, cryoprotectants and storage conditions on the stability of secondary structure of insulin-loaded solid lipid nanoparticles. International Journal of Pharmaceutics, 2013, 456, 370-381.	5.2	62
89	Precise engineering of dapivirine-loaded nanoparticles for the development of anti-HIV vaginal microbicides. Acta Biomaterialia, 2015, 18, 77-87.	8.3	62
90	The current status of biodegradable stent to treat benign luminal disease. Materials Today, 2017, 20, 516-529.	14.2	62

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91	Solid Lipid Nanoparticles: A Potential Multifunctional Approach towards Rheumatoid Arthritis Theranostics. Molecules, 2015, 20, 11103-11118.	3.8	61
92	Natural extracts into chitosan nanocarriers for rosmarinic acid drug delivery. Pharmaceutical Biology, 2015, 53, 642-652.	2.9	61
93	Monoclonal antibodies: technologies for early discovery and engineering. Critical Reviews in Biotechnology, 2018, 38, 394-408.	9.0	61
94	Nutlinâ€3a and Cytokine Coâ€loaded Sperminеâ€Modified Acetalated Dextran Nanoparticles for Cancer Chemoâ€Immunotherapy. Advanced Functional Materials, 2017, 27, 1703303.	14.9	61
95	Mitosis inhibitors in anticancer therapy: When blocking the exit becomes a solution. Cancer Letters, 2019, 440-441, 64-81.	7.2	60
96	Using microfluidic platforms to develop CNS-targeted polymeric nanoparticles for HIV therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 138, 111-124.	4.3	60
97	Medicago spp. extracts as promising ingredients for skin care products. Industrial Crops and Products, 2013, 49, 634-644.	5.2	59
98	Insights on in vitro models for safety and toxicity assessment of cosmetic ingredients. International Journal of Pharmaceutics, 2017, 519, 178-185.	5.2	59
99	Nanoparticles for the delivery of therapeutic antibodies: Dogma or promising strategy?. Expert Opinion on Drug Delivery, 2017, 14, 1163-1176.	5.0	59
100	Mannosylated solid lipid nanoparticles for the selective delivery of rifampicin to macrophages. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 653-663.	2.8	59
101	Shedding light on the puzzle of drug-membrane interactions: Experimental techniques and molecular dynamics simulations. Progress in Lipid Research, 2017, 65, 24-44.	11.6	57
102	Evaluation of radical scavenging activity, intestinal cell viability and antifungal activity of Brazilian propolis by-product. Food Research International, 2018, 105, 537-547.	6.2	57
103	In vivo dual-delivery of glucagon like peptide-1 (GLP-1) and dipeptidyl peptidase-4 (DPP4) inhibitor through composites prepared by microfluidics for diabetes therapy. Nanoscale, 2016, 8, 10706-10713.	5.6	56
104	Functionalized materials for multistage platforms in the oral delivery of biopharmaceuticals. Progress in Materials Science, 2017, 89, 306-344.	32.8	56
105	Chitosan Formulations as Carriers for Therapeutic Proteins. Current Drug Discovery Technologies, 2011, 8, 157-172.	1.2	55
106	Mad2 Checkpoint Gene Silencing Using Epidermal Growth Factor Receptor-Targeted Chitosan Nanoparticles in Non-Small Cell Lung Cancer Model. Molecular Pharmaceutics, 2014, 11, 3515-3527.	4.6	55
107	Antibodies armed with photosensitizers: from chemical synthesis to photobiological applications. Organic and Biomolecular Chemistry, 2015, 13, 2518-2529.	2.8	55
108	Electrospun fibrous membranes featuring sustained release of ibuprofen reduce adhesion and improve neurological function following lumbar laminectomy. Journal of Controlled Release, 2017, 264, 1-13.	9.9	55

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109	A prospective cancer chemo-immunotherapy approach mediated by synergistic CD326 targeted porous silicon nanovectors. Nano Research, 2015, 8, 1505-1521.	10.4	54
110	Engineered Multifunctional Albuminâ€Ðecorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. Small, 2018, 14, e1800462.	10.0	53
111	Optimization of the production of solid Witepsol nanoparticles loaded with rosmarinic acid. Colloids and Surfaces B: Biointerfaces, 2014, 115, 109-117.	5.0	52
112	Antibodies and associates: Partners in targeted drug delivery. , 2017, 177, 129-145.		52
113	Oral films as breakthrough tools for oral delivery of proteins/peptides. Journal of Controlled Release, 2015, 211, 63-73.	9.9	51
114	Biodistribution and pharmacokinetics of Mad2 siRNA-loaded EGFR-targeted chitosan nanoparticles in cisplatin sensitive and resistant lung cancer models. Nanomedicine, 2016, 11, 767-781.	3.3	51
115	Use of Photosensitizers in Semisolid Formulations for Microbial Photodynamic Inactivation. Journal of Medicinal Chemistry, 2016, 59, 4428-4442.	6.4	50
116	Strategies for the enhanced intracellular delivery of nanomaterials. Drug Discovery Today, 2018, 23, 944-959.	6.4	49
117	The importance of antimicrobial peptides and their potential for therapeutic use in ophthalmology. International Journal of Antimicrobial Agents, 2013, 41, 5-10.	2.5	48
118	Safety profile of solid lipid nanoparticles loaded with rosmarinic acid for oral use: in vitro and animal approaches. International Journal of Nanomedicine, 2016, Volume 11, 3621-3640.	6.7	48
119	Nanomedicine in the development of anti-HIV microbicides. Advanced Drug Delivery Reviews, 2016, 103, 57-75.	13.7	48
120	Triple co-culture of human alveolar epithelium, endothelium and macrophages for studying the interaction of nanocarriers with the air-blood barrier. Acta Biomaterialia, 2019, 91, 235-247.	8.3	48
121	Zein nanoparticles as low-cost, safe, and effective carriers to improve the oral bioavailability of resveratrol. Drug Delivery and Translational Research, 2020, 10, 826-837.	5.8	48
122	Facts and Figures on Materials Science and Nanotechnology Progress and Investment. ACS Nano, 2021, 15, 15940-15952.	14.6	48
123	SARS-CoV-2 and diabetes: New challenges for the disease. Diabetes Research and Clinical Practice, 2020, 164, 108228.	2.8	48
124	Microfluidic Nanoassembly of Bioengineered Chitosan-Modified FcRn-Targeted Porous Silicon Nanoparticles @ Hypromellose Acetate Succinate for Oral Delivery of Antidiabetic Peptides. ACS Applied Materials & Interfaces, 2018, 10, 44354-44367.	8.0	47
125	Development and Characterization of Chitosan Microparticles-in-Films for Buccal Delivery of Bioactive Peptides. Pharmaceuticals, 2019, 12, 32.	3.8	47
126	Novel non-invasive methods of insulin delivery. Expert Opinion on Drug Delivery, 2012, 9, 1539-1558.	5.0	46

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127	Photoimmunoconjugates: novel synthetic strategies to target and treat cancer by photodynamic therapy. Organic and Biomolecular Chemistry, 2019, 17, 2579-2593.	2.8	46
128	siRNA as a tool to improve the treatment of brain diseases: Mechanism, targets and delivery. Ageing Research Reviews, 2015, 21, 43-54.	10.9	45
129	Mucoadhesive nanostructured polyelectrolytes complexes modulate the intestinal permeability of methotrexate. European Journal of Pharmaceutical Sciences, 2018, 111, 73-82.	4.0	45
130	Evaluation of thermal-oxidative stability and antiglioma activity of Zanthoxylum tingoassuiba essential oil entrapped into multi- and unilamellar liposomes. Journal of Liposome Research, 2012, 22, 1-7.	3.3	44
131	Co-association of methotrexate and SPIONs into anti-CD64 antibody-conjugated PLGA nanoparticles for theranostic application. International Journal of Nanomedicine, 2014, 9, 4911.	6.7	44
132	Oral hypoglycaemic effect of GLP-1 and DPP4 inhibitor based nanocomposites in a diabetic animal model. Journal of Controlled Release, 2016, 232, 113-119.	9.9	44
133	Building three-dimensional lung models for studying pharmacokinetics of inhaled drugs. Advanced Drug Delivery Reviews, 2021, 170, 386-395.	13.7	44
134	In vitro targeted imaging and delivery of camptothecin using cetuximab-conjugated multifunctional PLGA-ZnS nanoparticles. Nanomedicine, 2012, 7, 507-519.	3.3	43
135	Nanoparticle-based drug delivery to improve the efficacy of antiretroviral therapy in the central nervous system. International Journal of Nanomedicine, 2014, 9, 1757.	6.7	43
136	Solid Lipid Nanoparticles as Oral Delivery Systems of Phenolic Compounds: Overcoming Pharmacokinetic Limitations for Nutraceutical Applications. Critical Reviews in Food Science and Nutrition, 2015, 57, 00-00.	10.3	43
137	The potential of HIV-1 nanotherapeutics: from in vitro studies to clinical trials. Nanomedicine, 2015, 10, 3597-3609.	3.3	43
138	Engineered albumin-functionalized nanoparticles for improved FcRn binding enhance oral delivery of insulin. Journal of Controlled Release, 2020, 327, 161-173.	9.9	43
139	Assessing the physicalâ€“chemical properties and stability of dapivirine-loaded polymeric nanoparticles. International Journal of Pharmaceutics, 2013, 456, 307-314.	5.2	42
140	Chitosan cross-linked docetaxel loaded EGF receptor targeted nanoparticles for lung cancer cells. International Journal of Biological Macromolecules, 2014, 69, 532-541.	7.5	42
141	Co-encapsulation of lyoprotectants improves the stability of protein-loaded PLGA nanoparticles upon lyophilization. International Journal of Pharmaceutics, 2015, 496, 850-862.	5.2	42
142	Are coffee silverskin extracts safe for topical use? An in vitro and in vivo approach. Industrial Crops and Products, 2015, 63, 167-174.	5.2	42
143	Gellan Gum/Pectin Beads Are Safe and Efficient for the Targeted Colonic Delivery of Resveratrol. Polymers, 2018, 10, 50.	4.5	42
144	Rationally Designed Dendritic Silica Nanoparticles for Oral Delivery of Exenatide. Pharmaceutics, 2019, 11, 418.	4.5	42

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145	Mucoadhesive buccal films based on a graft co-polymer â€“ A mucin-retentive hydrogel scaffold. European Journal of Pharmaceutical Sciences, 2020, 142, 105142.	4.0	42
146	In situ inflammatory-regulated drug-loaded hydrogels for promoting pelvic floor repair. Journal of Controlled Release, 2020, 322, 375-389.	9.9	42
147	Colorectal cancer triple co-culture spheroid model to assess the biocompatibility and anticancer properties of polymeric nanoparticles. Journal of Controlled Release, 2020, 323, 398-411.	9.9	42
148	Chitosan-Grafted Copolymers and Chitosan-Ligand Conjugates as Matrices for Pulmonary Drug Delivery. International Journal of Carbohydrate Chemistry, 2011, 2011, 1-14.	1.5	41
149	Actively Targeted Cetuximab Conjugated Î³-Poly(glutamic acid)-Docetaxel Nanomedicines for Epidermal Growth Factor Receptor Over Expressing Colon Cancer Cells. Journal of Biomedical Nanotechnology, 2014, 10, 1416-1428.	1.1	41
150	Permeation of topically applied caffeine from a food byâ€"product in cosmetic formulations: Is nanoscale in vitro approach an option?. International Journal of Pharmaceutics, 2016, 513, 496-503.	5.2	41
151	Acetalated Dextran Nanoparticles Loaded into an Injectable Alginate Cryogel for Combined Chemotherapy and Cancer Vaccination. Advanced Functional Materials, 2019, 29, 1903686.	14.9	41
152	An evaluation of the latestin vitrotools for drug metabolism studies. Expert Opinion on Drug Metabolism and Toxicology, 2014, 10, 103-119.	3.3	40
153	Synthesis and characterization of non-toxic and thermo-sensitive poly(N) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (-isop Carbohydrate Polymers, 2016, 154, 77-85.	10.2	40
154	Chemical modification of drug molecules as strategy to reduce interactions with mucus. Advanced Drug Delivery Reviews, 2018, 124, 98-106.	13.7	40
155	Composite films for vaginal delivery of tenofovir disoproxil fumarate and emtricitabine. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 138, 3-10.	4.3	40
156	Metabolism Balance Regulation via Antagonistâ€Functionalized Injectable Microsphere for Nucleus Pulposus Regeneration. Advanced Functional Materials, 2020, 30, 2006333.	14.9	40
157	Lipid nanocapsules to enhance drug bioavailability to the central nervous system. Journal of Controlled Release, 2020, 322, 390-400.	9.9	40
158	Oral Delivery of Glucagon-like Peptide-1 and Analogs: Alternatives for Diabetes Control?. Journal of Diabetes Science and Technology, 2012, 6, 1486-1497.	2.2	39
159	Formulation and delivery of anti-HIV rectal microbicides: Advances and challenges. Journal of Controlled Release, 2014, 194, 278-294.	9.9	39
160	Biological assessment of self-assembled polymeric micelles for pulmonary administration of insulin. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1621-1631.	3.3	39
161	Tailoring Lipid and Polymeric Nanoparticles as siRNA Carriers towards the Blood-Brain Barrier â€“ from Targeting to Safe Administration. Journal of NeuroImmune Pharmacology, 2017, 12, 107-119.	4.1	39
162	Fab-conjugated PLGA nanoparticles effectively target cancer cells expressing human CD44v6. Acta Biomaterialia, 2018, 81, 208-218.	8.3	39

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163	pH-responsive chitosan based hydrogels affect the release of dapsone: Design, set-up, and physicochemical characterization. International Journal of Biological Macromolecules, 2019, 133, 1268-1279.	7.5	39
164	Gene Silencing via PDA/ERK2â€siRNAâ€Mediated Electrospun Fibers for Peritendinous Antiadhesion. Advanced Science, 2019, 6, 1801217.	11.2	39
165	Development of PLGA-Mannosamine Nanoparticles as Oral Protein Carriers. Biomacromolecules, 2013, 14, 4046-4052.	5.4	38
166	Safety and toxicity concerns of orally delivered nanoparticles as drug carriers. Expert Opinion on Drug Metabolism and Toxicology, 2015, 11, 381-393.	3.3	38
167	Synthesis and characterization of 3,6- O,O â€™- dimyristoyl chitosan micelles for oral delivery of paclitaxel. Colloids and Surfaces B: Biointerfaces, 2017, 152, 220-228.	5.0	38
168	Zein-casein-lysine multicomposite nanoparticles are effective in modulate the intestinal permeability of ferulic acid. International Journal of Biological Macromolecules, 2019, 138, 244-251.	7.5	38
169	Study of the isoflavone content of different extracts of Medicago spp. as potential active ingredient. Industrial Crops and Products, 2014, 57, 110-115.	5.2	37
170	Stability of bioactive solid lipid nanoparticles loaded with herbal extracts when exposed to simulated gastrointestinal tract conditions. Food Research International, 2015, 78, 131-140.	6.2	37
171	Insights into the protective role of solid lipid nanoparticles on rosmarinic acid bioactivity during exposure to simulated gastrointestinal conditions. Colloids and Surfaces B: Biointerfaces, 2016, 139, 277-284.	5.0	37
172	Delivery of siRNA silencing P-gp in peptide-functionalized nanoparticles causes efflux modulation at the bloodâ€“brain barrier. Nanomedicine, 2017, 12, 1385-1399.	3.3	37
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