Luis M Bimbo

List of Publications by Year
in descending order

31 papers	2,019 citations	331670 21 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	2587 citing authors

#	Article	IF	Citations
1	Biocompatibility of Thermally Hydrocarbonized Porous Silicon Nanoparticles and their Biodistribution in Rats. ACS Nano, 2010, 4, 3023-3032.	14.6	316
2	Drug permeation across intestinal epithelial cells using porous silicon nanoparticles. Biomaterials, 2011, 32, 2625-2633.	11.4	157
3	Porous silicon nanoparticles for nanomedicine: preparation and biomedical applications. Nanomedicine, 2014, 9, 535-554.	3.3	155
4	Intravenous Delivery of Hydrophobin-Functionalized Porous Silicon Nanoparticles: Stability, Plasma Protein Adsorption and Biodistribution. Molecular Pharmaceutics, 2012, 9, 654-663.	4.6	146
5	Co-delivery of a hydrophobic small molecule and a hydrophilic peptide by porous silicon nanoparticles. Journal of Controlled Release, 2013, 170, 268-278.	9.9	141
6	The mucoadhesive and gastroretentive properties of hydrophobin-coated porous silicon nanoparticle oral drug delivery systems. Biomaterials, 2012, 33, 3353-3362.	11.4	125
7	Amine Modification of Thermally Carbonized Porous Silicon with Silane Coupling Chemistry. Langmuir, 2012, 28, 14045-14054.	3.5	108
8	Multifunctional Porous Silicon for Therapeutic Drug Delivery and Imaging. Current Drug Discovery Technologies, 2011, 8, 228-249.	1.2	97
9	Mesoporous materials as controlled drug delivery formulations. Journal of Drug Delivery Science and Technology, 2011, 21, 139-155.	3.0	81
10	A new cocrystal and salts of itraconazole: Comparison of solid-state properties, stability and dissolution behavior. International Journal of Pharmaceutics, 2012, 436, 403-409.	5.2	78
11	Functional hydrophobin-coating of thermally hydrocarbonized porous silicon microparticles. Biomaterials, 2011, 32, 9089-9099.	11.4	71
12	Inhibition of Influenza A Virus Infection in Vitro by Saliphenylhalamide-Loaded Porous Silicon Nanoparticles. ACS Nano, 2013, 7, 6884-6893.	14.6	71
13	Cellular interactions of surface modified nanoporous silicon particles. Nanoscale, 2012, 4, 3184.	5.6	63
14	Nanostructured porous silicon in preclinical imaging: Moving from bench to bedside. Journal of Materials Research, 2013, 28, 152-164.	2.6	54
15	Toward a siRNA-containing nanoparticle targeted to breast cancer cells and the tumor microenvironment. International Journal of Pharmaceutics, 2012, 434, 9-19.	5.2	45
16	Selfâ€Assembly of Amphiphilic Janus Dendrimers into Mechanically Robust Supramolecular Hydrogels for Sustained Drug Release. Chemistry - A European Journal, 2015, 21, 14433-14439.	3.3	43
17	Surface modification of acetaminophen particles by atomic layer deposition. International Journal of Pharmaceutics, 2017, 525, 160-174.	5.2	40
18	Toxicological Profile of Therapeutic Nanodelivery Systems. Current Drug Metabolism, 2012, 13, 1068-1086.	1.2	39

#	Article	IF	Citations
19	Design of peptide-targeted liposomes containing nucleic acids. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 433-441.	2.6	36
20	Dendrimers and their supramolecular nanostructures for biomedical applications. Journal of Drug Delivery Science and Technology, 2016, 34, 10-20.	3.0	30
21	Modular synthesis of self-assembling Janus-dendrimers and facile preparation of drug-loaded dendrimersomes. Nanoscale, 2017, 9, 7189-7198.	5.6	23
22	Aerosolization, Drug Permeation and Cellular Interaction of Dry Powder Pulmonary Formulations of Corticosteroids with Hydroxypropyl-Î²-Cyclodextrin as a Solubilizer. Pharmaceutical Research, 2017, 34, 25-35.	3.5	17
23	Crystallisation Behaviour of Pharmaceutical Compounds Confined within Mesoporous Silicon. Pharmaceutics, 2020, 12, 214.	4.5	16
24	Drug permeation and cellular interaction of amino acid-coated drug combination powders for pulmonary delivery. International Journal of Pharmaceutics, 2016, 504, 89-97.	5.2	13
25	Inorganic Nanoparticles in Targeted Drug Delivery and Imaging. Advances in Delivery Science and Technology, 2015, , 571-613.	0.4	12
26	Non-leaching, Highly Biocompatible Nanocellulose Surfaces That Efficiently Resist Fouling by Bacteria in an Artificial Dermis Model. ACS Applied Bio Materials, 2020, 3, 4095-4108.	4.6	12
27	High-Generation Amphiphilic Janus-Dendrimers as Stabilizing Agents for Drug Suspensions. Biomacromolecules, 2018, 19, 3983-3993.	5.4	11
28	Pulmonary administration of a dry powder formulation of the antifibrotic drug tilorone reduces silica-induced lung fibrosis in mice. International Journal of Pharmaceutics, 2018, 544, 121-128.	5.2	9
29	Dehydroabietylamine-Based Cellulose Nanofibril Films: A New Class of Sustainable Biomaterials for Highly Efficient, Broad-Spectrum Antimicrobial Effects. ACS Sustainable Chemistry and Engineering, 2019, 7, 5002-5009.	6.7	8
30	Porous Silicon Nanoparticles. , 2013, , 235-275.		1
31	Pressure-induced superelastic behaviour of isonicotinamide. Chemical Communications, 2021, 57, 11827-11830.	4.1	1