

# Hlder A Santos

## List of Publications by Citations

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378  
papers

14,912  
citations

66  
h-index

99  
g-index

423  
ext. papers

18,214  
ext. citations

9.8  
avg, IF

7  
L-index

#	Paper	IF	Citations
378	Properties and chemical modifications of lignin: Towards lignin-based nanomaterials for biomedical applications. <i>Progress in Materials Science</i> , <b>2018</b> , 93, 233-269	42.2	313
377	Tumor exosome-based nanoparticles are efficient drug carriers for chemotherapy. <i>Nature Communications</i> , <b>2019</b> , 10, 3838	17.4	294
376	Biocompatibility of thermally hydrocarbonized porous silicon nanoparticles and their biodistribution in rats. <i>ACS Nano</i> , <b>2010</b> , 4, 3023-32	16.7	287
375	Applications of bacterial cellulose in food, cosmetics and drug delivery. <i>Cellulose</i> , <b>2016</b> , 23, 2291-2314	5.5	232
374	In vitro evaluation of biodegradable lignin-based nanoparticles for drug delivery and enhanced antiproliferation effect in cancer cells. <i>Biomaterials</i> , <b>2017</b> , 121, 97-108	15.6	217
373	Turbiscan lab expert analysis of the stability of ethosomes and ultradeformable liposomes containing a bilayer fluidizing agent. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2009</b> , 72, 155-60	6	188
372	Advances in biomedical and pharmaceutical applications of functional bacterial cellulose-based nanocomposites. <i>Carbohydrate Polymers</i> , <b>2016</b> , 150, 330-52	10.3	185
371	A versatile and robust microfluidic platform toward high throughput synthesis of homogeneous nanoparticles with tunable properties. <i>Advanced Materials</i> , <b>2015</b> , 27, 2298-304	24	157
370	Polymer-based nanoparticles for oral insulin delivery: Revisited approaches. <i>Biotechnology Advances</i> , <b>2015</b> , 33, 1342-54	17.8	154
369	Mathematical Modeling of Release Kinetics from Supramolecular Drug Delivery Systems. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	152
368	Drug permeation across intestinal epithelial cells using porous silicon nanoparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 2625-33	15.6	148
367	In vitro cytotoxicity of porous silicon microparticles: effect of the particle concentration, surface chemistry and size. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 2721-31	10.8	146
366	The mechanisms of surface chemistry effects of mesoporous silicon nanoparticles on immunotoxicity and biocompatibility. <i>Biomaterials</i> , <b>2013</b> , 34, 7776-89	15.6	141
365	Microfluidic-assisted fabrication of carriers for controlled drug delivery. <i>Lab on A Chip</i> , <b>2017</b> , 17, 1856-1883		136
364	Porous silicon nanoparticles for nanomedicine: preparation and biomedical applications. <i>Nanomedicine</i> , <b>2014</b> , 9, 535-54	5.6	135
363	The versatile biomedical applications of bismuth-based nanoparticles and composites: therapeutic, diagnostic, biosensing, and regenerative properties. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 1253-1321	58.5	133
362	Dual chitosan/albumin-coated alginate/dextran sulfate nanoparticles for enhanced oral delivery of insulin. <i>Journal of Controlled Release</i> , <b>2016</b> , 232, 29-41	11.7	133

361	Intravenous delivery of hydrophobin-functionalized porous silicon nanoparticles: stability, plasma protein adsorption and biodistribution. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 654-63	5.6	131
360	Drug delivery formulations of ordered and nonordered mesoporous silica: comparison of three drug loading methods. <i>Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 100, 3294-3306	3.9	126
359	Fabrication of a multifunctional nano-in-micro drug delivery platform by microfluidic templated encapsulation of porous silicon in polymer matrix. <i>Advanced Materials</i> , <b>2014</b> , 26, 4497-503	24	124
358	Co-delivery of a hydrophobic small molecule and a hydrophilic peptide by porous silicon nanoparticles. <i>Journal of Controlled Release</i> , <b>2013</b> , 170, 268-78	11.7	124
357	Multifunctional porous silicon nanoparticles for cancer theranostics. <i>Biomaterials</i> , <b>2015</b> , 48, 108-18	15.6	124
356	Microfluidic assisted one-step fabrication of porous silicon@acetalated dextran nanocomposites for precisely controlled combination chemotherapy. <i>Biomaterials</i> , <b>2015</b> , 39, 249-59	15.6	123
355	Failure of MTT as a toxicity testing agent for mesoporous silicon microparticles. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 1913-8	4	123
354	Protein Coating of DNA Nanostructures for Enhanced Stability and Immunocompatibility. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700692	10.1	121
353	Electrospun Fibrous Architectures for Drug Delivery, Tissue Engineering and Cancer Therapy. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1802852	15.6	118
352	The mucoadhesive and gastroretentive properties of hydrophobin-coated porous silicon nanoparticle oral drug delivery systems. <i>Biomaterials</i> , <b>2012</b> , 33, 3353-62	15.6	112
351	The impact of nanoparticles on the mucosal translocation and transport of GLP-1 across the intestinal epithelium. <i>Biomaterials</i> , <b>2014</b> , 35, 9199-207	15.6	108
350	Comparison of mesoporous silicon and non-ordered mesoporous silica materials as drug carriers for itraconazole. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 414, 148-56	6.5	108
349	Electrospun Photocrosslinkable Hydrogel Fibrous Scaffolds for Rapid In Vivo Vascularized Skin Flap Regeneration. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604617	15.6	107
348	Core/Shell Nanocomposites Produced by Superfast Sequential Microfluidic Nanoprecipitation. <i>Nano Letters</i> , <b>2017</b> , 17, 606-614	11.5	106
347	Long time effect on the stability of silver nanoparticles in aqueous medium: Effect of the synthesis and storage conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2010</b> , 364, 19-25	5.1	104
346	Current developments and applications of microfluidic technology toward clinical translation of nanomedicines. <i>Advanced Drug Delivery Reviews</i> , <b>2018</b> , 128, 54-83	18.5	104
345	Gemcitabine-loaded PEGylated unilamellar liposomes vs GEMZAR: biodistribution, pharmacokinetic features and in vivo antitumor activity. <i>Journal of Controlled Release</i> , <b>2010</b> , 144, 144-50	11.7	102
344	Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603239	24	100

343	Polyethylene glycol (PEG)-dendron phospholipids as innovative constructs for the preparation of super stealth liposomes for anticancer therapy. <i>Journal of Controlled Release</i> , <b>2015</b> , 199, 106-13	11.7	100
342	Microfluidic assembly of monodisperse multistage pH-responsive polymer/porous silicon composites for precisely controlled multi-drug delivery. <i>Small</i> , <b>2014</b> , 10, 2029-38	11	98
341	Inhibition of Multidrug Resistance of Cancer Cells by Co-Delivery of DNA Nanostructures and Drugs Using Porous Silicon Nanoparticles@Giant Liposomes. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3330-3340	15.6	97
340	Anticancer activity of liposomal bergamot essential oil (BEO) on human neuroblastoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 112, 548-53	6	97
339	Amine modification of thermally carbonized porous silicon with silane coupling chemistry. <i>Langmuir</i> , <b>2012</b> , 28, 14045-54	4	97
338	Nanostructured porous Si-based nanoparticles for targeted drug delivery. <i>Biomatter</i> , <b>2012</b> , 2, 296-312		94
337	Tailoring Porous Silicon for Biomedical Applications: From Drug Delivery to Cancer Immunotherapy. <i>Advanced Materials</i> , <b>2018</b> , 30, e1703740	24	92
336	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 629-635	28.7	92
335	Chitosan-modified porous silicon microparticles for enhanced permeability of insulin across intestinal cell monolayers. <i>Biomaterials</i> , <b>2014</b> , 35, 7172-9	15.6	92
334	Multifunctional porous silicon for therapeutic drug delivery and imaging. <i>Current Drug Discovery Technologies</i> , <b>2011</b> , 8, 228-49	1.5	89
333	Diatom silica microparticles for sustained release and permeation enhancement following oral delivery of prednisone and mesalamine. <i>Biomaterials</i> , <b>2013</b> , 34, 9210-9	15.6	87
332	Copper-free azide-alkyne cycloaddition of targeting peptides to porous silicon nanoparticles for intracellular drug uptake. <i>Biomaterials</i> , <b>2014</b> , 35, 1257-66	15.6	86
331	Laser-Activatable CuS Nanodots to Treat Multidrug-Resistant Bacteria and Release Copper Ion to Accelerate Healing of Infected Chronic Nonhealing Wounds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3809-3822	9.5	86
330	Effects of lipid composition and preparation conditions on physical-chemical properties, technological parameters and in vitro biological activity of gemcitabine-loaded liposomes. <i>Current Drug Delivery</i> , <b>2007</b> , 4, 89-101	3.2	85
329	Amine-modified hyaluronic acid-functionalized porous silicon nanoparticles for targeting breast cancer tumors. <i>Nanoscale</i> , <b>2014</b> , 6, 10377-87	7.7	82
328	Microfluidic assembly of a nano-in-micro dual drug delivery platform composed of halloysite nanotubes and a pH-responsive polymer for colon cancer therapy. <i>Acta Biomaterialia</i> , <b>2017</b> , 48, 238-246	10.8	82
327	Microfluidic Assembly of a Multifunctional Tailorable Composite System Designed for Site Specific Combined Oral Delivery of Peptide Drugs. <i>ACS Nano</i> , <b>2015</b> , 9, 8291-302	16.7	81
326	Thiolation and Cell-Penetrating Peptide Surface Functionalization of Porous Silicon Nanoparticles for Oral Delivery of Insulin. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3405-3416	15.6	80

325	Self-Healing and Injectable Hydrogel for Matching Skin Flap Regeneration. <i>Advanced Science</i> , <b>2019</b> , 6, 1801555	13.6	80
324	Upregulating Hif-1 $\beta$ by Hydrogel Nanofibrous Scaffolds for Rapidly Recruiting Angiogenesis Relative Cells in Diabetic Wound. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 907-18	10.1	79
323	Shrinkage of pegylated and non-pegylated liposomes in serum. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 114, 294-300	6	79
322	Photoluminescent Hybrids of Cellulose Nanocrystals and Carbon Quantum Dots as Cytocompatible Probes for in Vitro Bioimaging. <i>Biomacromolecules</i> , <b>2017</b> , 18, 2045-2055	6.9	78
321	Self-Healing: Self-Healing and Injectable Hydrogel for Matching Skin Flap Regeneration (Adv. Sci. 3/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970019	13.6	78
320	Cytotoxicity study of ordered mesoporous silica MCM-41 and SBA-15 microparticles on Caco-2 cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2010</b> , 74, 483-94	5.7	76
319	Targeting the thyroid gland with thyroid-stimulating hormone (TSH)-nanoliposomes. <i>Biomaterials</i> , <b>2014</b> , 35, 7101-9	15.6	74
318	Functionalization of carboxylated lignin nanoparticles for targeted and pH-responsive delivery of anticancer drugs. <i>Nanomedicine</i> , <b>2017</b> , 12, 2581-2596	5.6	71
317	Tumour homing peptide-functionalized porous silicon nanovectors for cancer therapy. <i>Biomaterials</i> , <b>2013</b> , 34, 9134-41	15.6	71
316	A comprehensive review of the neonatal Fc receptor and its application in drug delivery. <i>Pharmacology &amp; Therapeutics</i> , <b>2016</b> , 161, 22-39	13.9	70
315	A new cocrystal and salts of itraconazole: comparison of solid-state properties, stability and dissolution behavior. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 436, 403-9	6.5	67
314	Nanostructured Porous Silicon-Solid Lipid Nanocomposite: Towards Enhanced Cytocompatibility and Stability, Reduced Cellular Association, and Prolonged Drug Release. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1893-1902	15.6	67
313	Multifaceted polymersome platforms: Spanning from self-assembly to drug delivery and protocells. <i>Progress in Polymer Science</i> , <b>2016</b> , 60, 51-85	29.6	67
312	Microfluidics-assisted engineering of polymeric microcapsules with high encapsulation efficiency for protein drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 472, 82-7	6.5	66
311	Helicobacter pylori ATCC 43629/NCTC 11639 Outer Membrane Vesicles (OMVs) from Biofilm and Planktonic Phase Associated with Extracellular DNA (eDNA). <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1369	5.7	66
310	Multistage pH-responsive mucoadhesive nanocarriers prepared by aerosol flow reactor technology: A controlled dual protein-drug delivery system. <i>Biomaterials</i> , <b>2015</b> , 68, 9-20	15.6	65
309	Microfluidic assembly of multistage porous silicon-lipid vesicles for controlled drug release. <i>Lab on A Chip</i> , <b>2014</b> , 14, 1083-6	7.2	65
308	Inhibition of influenza A virus infection in vitro by saliphenylthalamide-loaded porous silicon nanoparticles. <i>ACS Nano</i> , <b>2013</b> , 7, 6884-93	16.7	65

307	Dual-drug delivery by porous silicon nanoparticles for improved cellular uptake, sustained release, and combination therapy. <i>Acta Biomaterialia</i> , <b>2015</b> , 16, 206-14	10.8	65
306	Combination Therapy of Killing Diseases by Injectable Hydrogels: From Concept to Medical Applications. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001571	10.1	65
305	Delivery of therapeutics with nanoparticles: what's new in cancer immunotherapy?. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2017</b> , 9, e1421	9.2	64
304	Evaluation of anticancer activity of celastrol liposomes in prostate cancer cells. <i>Journal of Microencapsulation</i> , <b>2014</b> , 31, 501-7	3.4	64
303	Functional hydrophobin-coating of thermally hydrocarbonized porous silicon microparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 9089-99	15.6	64
302	Microneedles for painless transdermal immunotherapeutic applications. <i>Journal of Controlled Release</i> , <b>2021</b> , 330, 185-217	11.7	64
301	Production of pure drug nanocrystals and nano co-crystals by confinement methods. <i>Advanced Drug Delivery Reviews</i> , <b>2018</b> , 131, 3-21	18.5	63
300	Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. <i>Biomaterials</i> , <b>2020</b> , 232, 119706	15.6	63
299	Surface bioengineering of diatomite based nanovectors for efficient intracellular uptake and drug delivery. <i>Nanoscale</i> , <b>2015</b> , 7, 20063-74	7.7	62
298	Surface chemistry dependent immunostimulative potential of porous silicon nanoplatforms. <i>Biomaterials</i> , <b>2014</b> , 35, 9224-35	15.6	62
297	<sup>18</sup> F-labeled modified porous silicon particles for investigation of drug delivery carrier distribution in vivo with positron emission tomography. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 1799-806	5.6	62
296	Development and optimization of methotrexate-loaded lipid-polymer hybrid nanoparticles for controlled drug delivery applications. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 533, 156-168	6.5	61
295	Latest Advances on Bacterial Cellulose-Based Materials for Wound Healing, Delivery Systems, and Tissue Engineering. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1900059	5.6	60
294	The solid progress of nanomedicine. <i>Drug Delivery and Translational Research</i> , <b>2020</b> , 10, 726-729	6.2	60
293	In vivo biocompatibility of porous silicon biomaterials for drug delivery to the heart. <i>Biomaterials</i> , <b>2014</b> , 35, 8394-405	15.6	60
292	In vitro and in vivo assessment of heart-homing porous silicon nanoparticles. <i>Biomaterials</i> , <b>2016</b> , 94, 93-104	15.6	60
291	Determination of ciprofloxacin and levofloxacin in human sputum collected from cystic fibrosis patients using microextraction by packed sorbent-high performance liquid chromatography photodiode array detector. <i>Journal of Chromatography A</i> , <b>2015</b> , 1419, 58-66	4.5	59
290	Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1703393	24	59

289	Cellular interactions of surface modified nanoporous silicon particles. <i>Nanoscale</i> , <b>2012</b> , 4, 3184-92	7.7	59
288	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7744-7749	11.5	58
287	Improving Oral Absorption Via Drug-Loaded Nanocarriers: Absorption Mechanisms, Intestinal Models and Rational Fabrication. <i>Current Drug Metabolism</i> , <b>2013</b> , 14, 28-56	3.5	57
286	Aqueous-core PEG-coated PLA nanocapsules for an efficient entrapment of water soluble anticancer drugs and a smart therapeutic response. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 89, 30-9	5.7	56
285	Cellular delivery of enzyme-loaded DNA origami. <i>Chemical Communications</i> , <b>2016</b> , 52, 14161-14164	5.8	56
284	Augmented cellular trafficking and endosomal escape of porous silicon nanoparticles via zwitterionic bilayer polymer surface engineering. <i>Biomaterials</i> , <b>2014</b> , 35, 7488-500	15.6	56
283	Simple Microfluidic Approach to Fabricate Monodisperse Hollow Microparticles for Multidrug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14822-32	9.5	55
282	Gold Nanorods Conjugated Porous Silicon Nanoparticles Encapsulated in Calcium Alginate Nano Hydrogels Using Microemulsion Templates. <i>Nano Letters</i> , <b>2018</b> , 18, 1448-1453	11.5	54
281	Smart Porous Silicon Nanoparticles with Polymeric Coatings for Sequential Combination Therapy. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 4038-47	5.6	53
280	Metal Species Encapsulated Mesoporous Silica Nanoparticles: Current Advancements and Latest Breakthroughs. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902652	15.6	53
279	On-Chip Self-Assembly of a Smart Hybrid Nanocomposite for Antitumoral Applications. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1488-1497	15.6	53
278	Gold-silver nanoshells promote wound healing from drug-resistant bacteria infection and enable monitoring via surface-enhanced Raman scattering imaging. <i>Biomaterials</i> , <b>2020</b> , 234, 119763	15.6	52
277	Mesoporous Silica Nanoparticles for Targeted and Stimuli-Responsive Delivery of Chemotherapeutics: A Review. <i>Advanced Biology</i> , <b>2018</b> , 2, 1800020	3.5	51
276	A prospective cancer chemo-immunotherapy approach mediated by synergistic CD326 targeted porous silicon nanovectors. <i>Nano Research</i> , <b>2015</b> , 8, 1505-1521	10	50
275	Drug-Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. <i>Small</i> , <b>2017</b> , 13, 1701276	11	50
274	Microfluidics as a cutting-edge technique for drug delivery applications. <i>Journal of Drug Delivery Science and Technology</i> , <b>2016</b> , 34, 76-87	4.5	49
273	Nanostructured porous silicon in preclinical imaging: Moving from bench to bedside. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 152-164	2.5	49
272	Artificially cloaked viral nanovaccine for cancer immunotherapy. <i>Nature Communications</i> , <b>2019</b> , 10, 5747	17.4	49

271	Acetylated Nanocellulose for Single-Component Bioinks and Cell Proliferation on 3D-Printed Scaffolds. <i>Biomacromolecules</i> , <b>2019</b> , 20, 2770-2778	6.9	48
270	Improved stability and biocompatibility of nanostructured silicon drug carrier for intravenous administration. <i>Acta Biomaterialia</i> , <b>2015</b> , 13, 207-15	10.8	48
269	Detection and Physicochemical Characterization of Membrane Vesicles (MVs) of DSM 17938. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1040	5.7	48
268	Gelatin Templated Polypeptide Co-Cross-Linked Hydrogel for Bone Regeneration. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901239	10.1	48
267	Gold Nanorods, DNA Origami, and Porous Silicon Nanoparticle-functionalized Biocompatible Double Emulsion for Versatile Targeted Therapeutics and Antibody Combination Therapy. <i>Advanced Materials</i> , <b>2016</b> , 28, 10195-10203	24	48
266	Nanoparticulate devices for brain drug delivery. <i>Medicinal Research Reviews</i> , <b>2011</b> , 31, 716-56	14.4	47
265	A Hydrogen-Bonded Extracellular Matrix-Mimicking Bactericidal Hydrogel with Radical Scavenging and Hemostatic Function for pH-Responsive Wound Healing Acceleration. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001122	10.1	47
264	Euryale Ferox Seed-Inspired Superlubricated Nanoparticles for Treatment of Osteoarthritis. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807559	15.6	46
263	Engineered Extracellular Vesicles for Cancer Therapy. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005709	24	46
262	Conductive vancomycin-loaded mesoporous silica polypyrrole-based scaffolds for bone regeneration. <i>International Journal of Pharmaceutics</i> , <b>2018</b> , 536, 241-250	6.5	46
261	Cyclodextrin-Modified Porous Silicon Nanoparticles for Efficient Sustained Drug Delivery and Proliferation Inhibition of Breast Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23197-2045	2.5	45
260	The importance of microfluidics for the preparation of nanoparticles as advanced drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , <b>2018</b> , 15, 469-479	8	45
259	Using microfluidic platforms to develop CNS-targeted polymeric nanoparticles for HIV therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 138, 111-124	5.7	45
258	Nutlin-3a and Cytokine Co-loaded Spermine-Modified Acetalated Dextran Nanoparticles for Cancer Chemo-Immunotherapy. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703303	15.6	45
257	Microfluidic templated mesoporous silicon-solid lipid microcomposites for sustained drug delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12127-34	9.5	44
256	Physicochemical stability of high indomethacin payload ordered mesoporous silica MCM-41 and SBA-15 microparticles. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 416, 242-51	6.5	44
255	pH and Reactive Oxygen Species-Sequential Responsive Nano-in-Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1806175	15.6	44
254	Biomimetic Engineering Using Cancer Cell Membranes for Designing Compartmentalized Nanoreactors with Organelle-Like Functions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605375	24	43



253	Electrospun Polyhydroxybutyrate/Poly( $\epsilon$ -caprolactone)/Sol-Gel-Derived Silica Hybrid Scaffolds with Drug Releasing Function for Bone Tissue Engineering Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 14540-14548	9.5	43
252	DNA Hydrogel Assemblies: Bridging Synthesis Principles to Biomedical Applications. <i>Advanced Therapeutics</i> , <b>2018</b> , 1, 1800042	4.9	43
251	Receptor-Mediated Surface Charge Inversion Platform Based on Porous Silicon Nanoparticles for Efficient Cancer Cell Recognition and Combination Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10034-10046	9.5	42
250	Dual-Drug Delivery Using Dextran-Functionalized Nanoparticles Targeting Cardiac Fibroblasts for Cellular Reprogramming. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705134	15.6	42
249	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. <i>Biomaterials</i> , <b>2018</b> , 185, 322-332	15.6	42
248	Preparation and Characterization of Dentin Phosphoryn-Derived Peptide-Functionalized Lignin Nanoparticles for Enhanced Cellular Uptake. <i>Small</i> , <b>2019</b> , 15, e1901427	11	41
247	The Progress and Prospect of Zeolitic Imidazolate Frameworks in Cancer Therapy, Antibacterial Activity, and Biomineralization. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000248	10.1	41
246	pH-Switch Nanoprecipitation of Polymeric Nanoparticles for Multimodal Cancer Targeting and Intracellular Triggered Delivery of Doxorubicin. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 1904-16	10.1	39
245	Functionalized materials for multistage platforms in the oral delivery of biopharmaceuticals. <i>Progress in Materials Science</i> , <b>2017</b> , 89, 306-344	42.2	38
244	Lipid-polymer hybrid nanoparticles for controlled delivery of hydrophilic and lipophilic doxorubicin for breast cancer therapy. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 4961-4974	7.3	38
243	Anticancer activity of all-trans retinoic acid-loaded liposomes on human thyroid carcinoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 150, 408-416	6	38
242	A Versatile Carbonic Anhydrase IX Targeting Ligand-Functionalized Porous Silicon Nanoplatfrom for Dual Hypoxia Cancer Therapy and Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13976-13987	9.5	37
241	Quercetin-Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicin-Resistant Cancer Cells. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601009	10.1	37
240	Niosomes as Drug Nanovectors: Multiscale pH-Dependent Structural Response. <i>Langmuir</i> , <b>2016</b> , 32, 12414-9	11.9	37
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