HÃ©lder A Santos

List of Publications by Year
in descending order

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394 papers	21,489 citations	6254 80 h-index	18647 119 g-index
423 all docs	423 docs citations	423 times ranked	23011 citing authors

#	Article	IF	Citations
1	Tumor exosome-based nanoparticles are efficient drug carriers for chemotherapy. Nature Communications, 2019, 10, 3838.	12.8	535
2	Properties and chemical modifications of lignin: Towards lignin-based nanomaterials for biomedical applications. Progress in Materials Science, 2018, 93, 233-269.	32.8	526
3	Biocompatibility of Thermally Hydrocarbonized Porous Silicon Nanoparticles and their Biodistribution in Rats. ACS Nano, 2010, 4, 3023-3032.	14.6	316
4	Applications of bacterial cellulose in food, cosmetics and drug delivery. Cellulose, 2016, 23, 2291-2314.	4.9	312
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	Mathematical Modeling of Release Kinetics from Supramolecular Drug Delivery Systems. Pharmaceutics, 2019, 11, 140.	4.5	289
7	The versatile biomedical applications of bismuth-based nanoparticles and composites: therapeutic, diagnostic, biosensing, and regenerative properties. Chemical Society Reviews, 2020, 49, 1253-1321.	38.1	261
8	Advances in biomedical and pharmaceutical applications of functional bacterial cellulose-based nanocomposites. Carbohydrate Polymers, 2016, 150, 330-352.	10.2	248
9	Turbiscan LabÂ® Expert analysis of the stability of ethosomesÂ® and ultradeformable liposomes containing a bilayer fluidizing agent. Colloids and Surfaces B: Biointerfaces, 2009, 72, 155-160.	5.0	233
10	A Versatile and Robust Microfluidic Platform Toward High Throughput Synthesis of Homogeneous Nanoparticles with Tunable Properties. Advanced Materials, 2015, 27, 2298-2304.	21.0	203
11	Polymer-based nanoparticles for oral insulin delivery: Revisited approaches. Biotechnology Advances, 2015, 33, 1342-1354.	11.7	189
12	Microfluidic-assisted fabrication of carriers for controlled drug delivery. Lab on A Chip, 2017, 17, 1856-1883.	6.0	183
13	Selenium Nanoparticles for Biomedical Applications: From Development and Characterization to Therapeutics. Advanced Healthcare Materials, 2021, 10, e2100598.	7.6	182
14	Electrospun Fibrous Architectures for Drug Delivery, Tissue Engineering and Cancer Therapy. Advanced Functional Materials, 2019, 29, 1802852.	14.9	179
15	Engineered Extracellular Vesicles for Cancer Therapy. Advanced Materials, 2021, 33, e2005709.	21.0	171
16	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
17	Protein Coating of DNA Nanostructures for Enhanced Stability and Immunocompatibility. Advanced Healthcare Materials, 2017, 6, 1700692.	7.6	166
18	The mechanisms of surface chemistry effects of mesoporous silicon nanoparticles on immunotoxicity and biocompatibility. Biomaterials, 2013, 34, 7776-7789.	11.4	163

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19	Current developments and applications of microfluidic technology toward clinical translation of nanomedicines. Advanced Drug Delivery Reviews, 2018, 128, 54-83.	13.7	159
20	In vitro cytotoxicity of porous silicon microparticles: Effect of the particle concentration, surface chemistry and size. Acta Biomaterialia, 2010, 6, 2721-2731.	8.3	158
21	Drug permeation across intestinal epithelial cells using porous silicon nanoparticles. Biomaterials, 2011, 32, 2625-2633.	11.4	157
22	Porous silicon nanoparticles for nanomedicine: preparation and biomedical applications. Nanomedicine, 2014, 9, 535-554.	3.3	155
23	Laser-Activatable CuS Nanodots to Treat Multidrug-Resistant Bacteria and Release Copper Ion to Accelerate Healing of Infected Chronic Nonhealing Wounds. ACS Applied Materials & Interfaces, 2019, 11, 3809-3822.	8.0	155
24	Electrospun Photocrosslinkable Hydrogel Fibrous Scaffolds for Rapid In Vivo Vascularized Skin Flap Regeneration. Advanced Functional Materials, 2017, 27, 1604617.	14.9	154
25	On the issue of transparency and reproducibility in nanomedicine. Nature Nanotechnology, 2019, 14, 629-635.	31.5	149
26	Intravenous Delivery of Hydrophobin-Functionalized Porous Silicon Nanoparticles: Stability, Plasma Protein Adsorption and Biodistribution. Molecular Pharmaceutics, 2012, 9, 654-663.	4.6	146
27	Drug Delivery Formulations of Ordered and Nonordered Mesoporous Silica: Comparison of Three Drug Loading Methods. Journal of Pharmaceutical Sciences, 2011, 100, 3294-3306.	3.3	144
28	Multistaged Nanovaccines Based on Porous Silicon@Acetalated Dextran@Cancer Cell Membrane for Cancer Immunotherapy. Advanced Materials, 2017, 29, 1603239.	21.0	144
29	A Hydrogenâ€Bonded Extracellular Matrixâ€Mimicking Bactericidal Hydrogel with Radical Scavenging and Hemostatic Function for pHâ€Responsive Wound Healing Acceleration. Advanced Healthcare Materials, 2021, 10, e2001122.	7.6	142
30	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
31	Multifunctional porous silicon nanoparticles for cancer theranostics. Biomaterials, 2015, 48, 108-118.	11.4	141
32	Selfâ€Healing and Injectable Hydrogel for Matching Skin Flap Regeneration. Advanced Science, 2019, 6, 1801555.	11.2	140
33	Fabrication of a Multifunctional Nanoâ€inâ€micro Drug Delivery Platform by Microfluidic Templated Encapsulation of Porous Silicon in Polymer Matrix. Advanced Materials, 2014, 26, 4497-4503.	21.0	138
34	Microfluidic assisted one-step fabrication of porous silicon@acetalated dextran nanocomposites for precisely controlled combination chemotherapy. Biomaterials, 2015, 39, 249-259.	11.4	133
35	Long time effect on the stability of silver nanoparticles in aqueous medium: Effect of the synthesis and storage conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 364, 19-25.	4.7	132
36	Microneedles for painless transdermal immunotherapeutic applications. Journal of Controlled Release, 2021, 330, 185-217.	9.9	131

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37	Failure of MTT as a Toxicity Testing Agent for Mesoporous Silicon Microparticles. Chemical Research in Toxicology, 2007, 20, 1913-1918.	3.3	129
38	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
39	Tailoring Porous Silicon for Biomedical Applications: From Drug Delivery to Cancer Immunotherapy. Advanced Materials, 2018, 30, e1703740.	21.0	127
40	Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. Biomaterials, 2020, 232, 119706.	11.4	127
41	The mucoadhesive and gastroretentive properties of hydrophobin-coated porous silicon nanoparticle oral drug delivery systems. Biomaterials, 2012, 33, 3353-3362.	11.4	125
42	Polyethylene glycol (PEG)-dendron phospholipids as innovative constructs for the preparation of super stealth liposomes for anticancer therapy. Journal of Controlled Release, 2015, 199, 106-113.	9.9	125
43	Comparison of mesoporous silicon and non-ordered mesoporous silica materials as drug carriers for itraconazole. International Journal of Pharmaceutics, 2011, 414, 148-156.	5.2	124
44	Core/Shell Nanocomposites Produced by Superfast Sequential Microfluidic Nanoprecipitation. Nano Letters, 2017, 17, 606-614.	9.1	123
45	Anticancer activity of liposomal bergamot essential oil (BEO) on human neuroblastoma cells. Colloids and Surfaces B: Biointerfaces, 2013, 112, 548-553.	5.0	122
46	Diatom silica microparticles for sustained release and permeation enhancement following oral delivery of prednisone and mesalamine. Biomaterials, 2013, 34, 9210-9219.	11.4	116
47	Production of pure drug nanocrystals and nano co-crystals by confinement methods. Advanced Drug Delivery Reviews, 2018, 131, 3-21.	13.7	115
48	Inhibition of Multidrug Resistance of Cancer Cells by Coâ€Delivery of DNA Nanostructures and Drugs Using Porous Silicon Nanoparticles@Giant Liposomes. Advanced Functional Materials, 2015, 25, 3330-3340.	14.9	114
49	Nanostructured porous Si-based nanoparticles for targeted drug delivery. Biomatter, 2012, 2, 296-312.	2.6	112
50	Gelatin Templated Polypeptide Coâ€Crossâ€Linked Hydrogel for Bone Regeneration. Advanced Healthcare Materials, 2020, 9, e1901239.	7.6	112
51	Upregulating Hifâ€1Î± by Hydrogel Nanofibrous Scaffolds for Rapidly Recruiting Angiogenesis Relative Cells in Diabetic Wound. Advanced Healthcare Materials, 2016, 5, 907-918.	7.6	110
52	Gemcitabine-loaded PEGylated unilamellar liposomes vs GEMZARÂ®: Biodistribution, pharmacokinetic features and in vivo antitumor activity. Journal of Controlled Release, 2010, 144, 144-150.	9.9	109
53	Microfluidic assembly of a nano-in-micro dual drug delivery platform composed of halloysite nanotubes and a pH-responsive polymer for colon cancer therapy. Acta Biomaterialia, 2017, 48, 238-246.	8.3	109
54	Amine Modification of Thermally Carbonized Porous Silicon with Silane Coupling Chemistry. Langmuir, 2012, 28, 14045-14054.	3.5	108

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55	Amine-modified hyaluronic acid-functionalized porous silicon nanoparticles for targeting breast cancer tumors. Nanoscale, 2014, 6, 10377-10387.	5.6	108
56	Microfluidic Assembly of Monodisperse Multistage pHâ€Responsive Polymer/Porous Silicon Composites for Precisely Controlled Multiâ€Drug Delivery. Small, 2014, 10, 2029-2038.	10.0	105
57	Chitosan-modified porous silicon microparticles for enhanced permeability of insulin across intestinal cell monolayers. Biomaterials, 2014, 35, 7172-7179.	11.4	105
58	Metal Speciesâ€“Encapsulated Mesoporous Silica Nanoparticles: Current Advancements and Latest Breakthroughs. Advanced Functional Materials, 2019, 29, 1902652.	14.9	104
59	Combination Therapy of Killing Diseases by Injectable Hydrogels: From Concept to Medical Applications. Advanced Healthcare Materials, 2021, 10, e2001571.	7.6	104
60	Goldâ€“silver nanoshells promote wound healing from drug-resistant bacteria infection and enable monitoring via surface-enhanced Raman scattering imaging. Biomaterials, 2020, 234, 119763.	11.4	102
61	Photoluminescent Hybrids of Cellulose Nanocrystals and Carbon Quantum Dots as Cytocompatible Probes for in Vitro Bioimaging. Biomacromolecules, 2017, 18, 2045-2055.	5.4	100
62	Latest Advances on Bacterial Celluloseâ€Based Materials for Wound Healing, Delivery Systems, and Tissue Engineering. Biotechnology Journal, 2019, 14, e1900059.	3.5	100
63	The Progress and Prospect of Zeolitic Imidazolate Frameworks in Cancer Therapy, Antibacterial Activity, and Biomineralization. Advanced Healthcare Materials, 2020, 9, e2000248.	7.6	99
64	Effects of Lipid Composition and Preparation Conditions on Physical-Chemical Properties, Technological Parameters and In Vitro Biological Activity of Gemcitabine-Loaded Liposomes. Current Drug Delivery, 2007, 4, 89-101.	1.6	97
65	Helicobacter pylori ATCC 43629/NCTC 11639 Outer Membrane Vesicles (OMVs) from Biofilm and Planktonic Phase Associated with Extracellular DNA (eDNA). Frontiers in Microbiology, 2015, 6, 1369.	3.5	97
66	Multifunctional Porous Silicon for Therapeutic Drug Delivery and Imaging. Current Drug Discovery Technologies, 2011, 8, 228-249.	1.2	97
67	Shrinkage of pegylated and non-pegylated liposomes in serum. Colloids and Surfaces B: Biointerfaces, 2014, 114, 294-300.	5.0	96
68	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
69	Functionalization of carboxylated lignin nanoparticles for targeted and pH-responsive delivery of anticancer drugs. Nanomedicine, 2017, 12, 2581-2596.	3.3	96
70	Copper-free azideâ€“alkyne cycloaddition of targeting peptides toÂporous silicon nanoparticles for intracellular drug uptake. Biomaterials, 2014, 35, 1257-1266.	11.4	94
71	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
72	Engineered neutrophil-derived exosome-like vesicles for targeted cancer therapy. Science Advances, 2022, 8, eabj8207.	10.3	94

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73	Development and optimization of methotrexate-loaded lipid-polymer hybrid nanoparticles for controlled drug delivery applications. International Journal of Pharmaceutics, 2017, 533, 156-168.	5.2	93
74	The solid progress of nanomedicine. Drug Delivery and Translational Research, 2020, 10, 726-729.	5.8	91
75	Microfluidics-assisted engineering of polymeric microcapsules with high encapsulation efficiency for protein drug delivery. International Journal of Pharmaceutics, 2014, 472, 82-87.	5.2	89
76	Targeting the thyroid gland with thyroid-stimulating hormone (TSH)-nanoliposomes. Biomaterials, 2014, 35, 7101-7109.	11.4	88
77	Cytotoxicity study of ordered mesoporous silica MCM-41 and SBA-15 microparticles on Caco-2 cells. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 483-494.	4.3	87
78	Multifaceted polymersome platforms: Spanning from self-assembly to drug delivery and protocells. Progress in Polymer Science, 2016, 60, 51-85.	24.7	87
79	The importance of microfluidics for the preparation of nanoparticles as advanced drug delivery systems. Expert Opinion on Drug Delivery, 2018, 15, 469-479.	5.0	87
80	Artificially cloaked viral nanovaccine for cancer immunotherapy. Nature Communications, 2019, 10, 5747.	12.8	86
81	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7744-7749.	7.1	85
82	Drugâ€Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. Small, 2017, 13, 1701276.	10.0	82
83	Mesoporous Silica Nanoparticles for Targeted and Stimuliâ€Responsive Delivery of Chemotherapeutics: A Review. Advanced Biology, 2018, 2, 1800020.	3.0	82
84	Surface bioengineering of diatomite based nanovectors for efficient intracellular uptake and drug delivery. Nanoscale, 2015, 7, 20063-20074.	5.6	81
85	Acetylated Nanocellulose for Single-Component Bioinks and Cell Proliferation on 3D-Printed Scaffolds. Biomacromolecules, 2019, 20, 2770-2778.	5.4	81
86	Evaluation of anticancer activity of celastrol liposomes in prostate cancer cells. Journal of Microencapsulation, 2014, 31, 501-507.	2.8	80
87	A comprehensive review of the neonatal Fc receptor and its application in drug delivery. , 2016, 161, 22-39.		80
88	Detection and Physicochemical Characterization of Membrane Vesicles (MVs) of Lactobacillus reuteri DSM 17938. Frontiers in Microbiology, 2017, 8, 1040.	3.5	80
89	Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics. Advanced Materials, 2018, 30, e1703393.	21.0	80
90	Euryale Ferox Seedâ€Inspired Superlubricated Nanoparticles for Treatment of Osteoarthritis. Advanced Functional Materials, 2019, 29, 1807559.	14.9	80

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91	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
92	Dual-drug delivery by porous silicon nanoparticles for improved cellular uptake, sustained release, and combination therapy. Acta Biomaterialia, 2015, 16, 206-214.	8.3	78
93	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
94	Tumour homing peptide-functionalized porous silicon nanovectors for cancer therapy. Biomaterials, 2013, 34, 9134-9141.	11.4	76
95	Microfluidic assembly of multistage porous siliconâ€“lipid vesicles for controlled drug release. Lab on A Chip, 2014, 14, 1083-1086.	6.0	75
96	Microfluidics as a cutting-edge technique for drug delivery applications. Journal of Drug Delivery Science and Technology, 2016, 34, 76-87.	3.0	75
97	InÂvivo biocompatibility of porous silicon biomaterials for drug delivery to the heart. Biomaterials, 2014, 35, 8394-8405.	11.4	73
98	Gold Nanorods Conjugated Porous Silicon Nanoparticles Encapsulated in Calcium Alginate Nano Hydrogels Using Microemulsion Templates. Nano Letters, 2018, 18, 1448-1453.	9.1	73
99	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. Biomaterials, 2018, 185, 322-332.	11.4	73
100	Dualâ€Crosslinked Dynamic Hydrogel Incorporating {Mo₁₅₄} with pH and NIR Responsiveness for Chemoâ€Photothermal Therapy. Advanced Materials, 2021, 33, e2007761.	21.0	73
101	Nanostructured Porous Siliconâ€Solid Lipid Nanocomposite: Towards Enhanced Cytocompatibility and Stability, Reduced Cellular Association, and Prolonged Drug Release. Advanced Functional Materials, 2013, 23, 1893-1902.	14.9	72
102	Surface chemistry dependent immunostimulative potential of porous silicon nanoplatforms. Biomaterials, 2014, 35, 9224-9235.	11.4	72
103	InÂvitro and inÂvivo assessment of heart-homing porous silicon nanoparticles. Biomaterials, 2016, 94, 93-104.	11.4	72
104	Delivery of therapeutics with nanoparticles: what's new in cancer immunotherapy?. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1421.	6.1	72
105	Peptide-guided resiquimod-loaded lignin nanoparticles convert tumor-associated macrophages from M2 to M1 phenotype for enhanced chemotherapy. Acta Biomaterialia, 2021, 133, 231-243.	8.3	72
106	Functional hydrophobin-coating of thermally hydrocarbonized porous silicon microparticles. Biomaterials, 2011, 32, 9089-9099.	11.4	71
107	Inhibition of Influenza A Virus Infection in Vitro by Saliphenylhalamide-Loaded Porous Silicon Nanoparticles. ACS Nano, 2013, 7, 6884-6893.	14.6	71
108	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. Journal of Chromatography A, 2015, 1419, 58-66.	3.7	71

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109	Aqueous-core PEG-coated PLA nanocapsules for an efficient entrapment of water soluble anticancer drugs and a smart therapeutic response. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 30-39.	4.3	71
110	Overcoming Nanoparticle-Mediated Complement Activation by Surface PEG Pairing. Nano Letters, 2020, 20, 4312-4321.	9.1	70
111	pH and Reactive Oxygen Speciesâ€Sequential Responsive Nanoâ€inâ€Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. Advanced Functional Materials, 2018, 28, 1806175.	14.9	68
112	Lipid-polymer hybrid nanoparticles for controlled delivery of hydrophilic and lipophilic doxorubicin for breast cancer therapy . International Journal of Nanomedicine, 2019, Volume 14, 4961-4974.	6.7	67
113	Geneâ€Hydrogel Microenvironment Regulates Extracellular Matrix Metabolism Balance in Nucleus Pulposus. Advanced Science, 2020, 7, 1902099.	11.2	67
114	Improving Oral Absorption Via Drug-Loaded Nanocarriers: Absorption Mechanisms, Intestinal Models and Rational Fabrication. Current Drug Metabolism, 2013, 14, 28-56.	1.2	66
115	Simple Microfluidic Approach to Fabricate Monodisperse Hollow Microparticles for Multidrug Delivery. ACS Applied Materials & Interfaces, 2015, 7, 14822-14832.	8.0	66
116	¹⁸F-Labeled Modified Porous Silicon Particles for Investigation of Drug Delivery Carrier Distribution in Vivo with Positron Emission Tomography. Molecular Pharmaceutics, 2011, 8, 1799-1806.	4.6	65
117	Cellular delivery of enzyme-loaded DNA origami. Chemical Communications, 2016, 52, 14161-14164.	4.1	65
118	Electrospun Polyhydroxybutyrate/Poly(Îµ-caprolactone)/Solâ€“Gel-Derived Silica Hybrid Scaffolds with Drug Releasing Function for Bone Tissue Engineering Applications. ACS Applied Materials & Interfaces, 2018, 10, 14540-14548.	8.0	65
119	Conductive vancomycin-loaded mesoporous silica polypyrrole-based scaffolds for bone regeneration. International Journal of Pharmaceutics, 2018, 536, 241-250.	5.2	65
120	pH-responsive cationic liposome for endosomal escape mediated drug delivery. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110804.	5.0	65
121	Cellular interactions of surface modified nanoporous silicon particles. Nanoscale, 2012, 4, 3184.	5.6	63
122	Smart Porous Silicon Nanoparticles with Polymeric Coatings for Sequential Combination Therapy. Molecular Pharmaceutics, 2015, 12, 4038-4047.	4.6	63
123	Microfluidics for Production of Particles: Mechanism, Methodology, and Applications. Small, 2020, 16, e1904673.	10.0	63
124	Augmented cellular trafficking and endosomal escape of porous silicon nanoparticles via zwitterionic bilayer polymer surface engineering. Biomaterials, 2014, 35, 7488-7500.	11.4	61
125	DNA Hydrogel Assemblies: Bridging Synthesis Principles to Biomedical Applications. Advanced Therapeutics, 2018, 1, 1800042.	3.2	61
126	Nutlinâ€3a and Cytokine Coâ€loaded Sperminâ€Modified Acetalated Dextran Nanoparticles for Cancer Chemoâ€Immunotherapy. Advanced Functional Materials, 2017, 27, 1703303.	14.9	61

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127	Onâ€Chip Selfâ€Assembly of a Smart Hybrid Nanocomposite for Antitumoral Applications. Advanced Functional Materials, 2015, 25, 1488-1497.	14.9	60
128	Improved stability and biocompatibility of nanostructured silicon drug carrier for intravenous administration. Acta Biomaterialia, 2015, 13, 207-215.	8.3	60
129	Dualâ€Drug Delivery Using Dextranâ€Functionalized Nanoparticles Targeting Cardiac Fibroblasts for Cellular Reprogramming. Advanced Functional Materials, 2018, 28, 1705134.	14.9	60
130	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
131	Preparation of cetyl palmitate-based PEGylated solid lipid nanoparticles by microfluidic technique. Acta Biomaterialia, 2021, 121, 566-578.	8.3	59
132	Preparation and Characterization of Dentin Phosphophorynâ€Derived Peptideâ€Functionalized Lignin Nanoparticles for Enhanced Cellular Uptake. Small, 2019, 15, e1901427.	10.0	57
133	Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (seb Materials & Interfaces, 2020, 12, 6899-6909.	8.0	57
134	Functionalized materials for multistage platforms in the oral delivery of biopharmaceuticals. Progress in Materials Science, 2017, 89, 306-344.	32.8	56
135	Cyclodextrin-Modified Porous Silicon Nanoparticles for Efficient Sustained Drug Delivery and Proliferation Inhibition of Breast Cancer Cells. ACS Applied Materials & Interfaces, 2015, 7, 23197-23204.	8.0	55
136	Gold Nanorods, DNA Origami, and Porous Silicon Nanoparticleâ€functionalized Biocompatible Double Emulsion for Versatile Targeted Therapeutics and Antibody Combination Therapy. Advanced Materials, 2016, 28, 10195-10203.	21.0	55
137	Nanostructured porous silicon in preclinical imaging: Moving from bench to bedside. Journal of Materials Research, 2013, 28, 152-164.	2.6	54
138	A prospective cancer chemo-immunotherapy approach mediated by synergistic CD326 targeted porous silicon nanovectors. Nano Research, 2015, 8, 1505-1521.	10.4	54
139	Biomimetic Engineering Using Cancer Cell Membranes for Designing Compartmentalized Nanoreactors with Organelleâ€Like Functions. Advanced Materials, 2017, 29, 1605375.	21.0	54
140	Anticancer activity of all- trans retinoic acid-loaded liposomes on human thyroid carcinoma cells. Colloids and Surfaces B: Biointerfaces, 2017, 150, 408-416.	5.0	54
141	Nanoparticulate devices for brain drug delivery. Medicinal Research Reviews, 2011, 31, 716-756.	10.5	53
142	Engineered Multifunctional Albuminâ€Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. Small, 2018, 14, e1800462.	10.0	53
143	Multifunctional 3Dâ€Printed Patches for Longâ€Term Drug Release Therapies after Myocardial Infarction. Advanced Functional Materials, 2020, 30, 2003440.	14.9	53
144	Receptor-Mediated Surface Charge Inversion Platform Based on Porous Silicon Nanoparticles for Efficient Cancer Cell Recognition and Combination Therapy. ACS Applied Materials & Interfaces, 2017, 9, 10034-10046.	8.0	51

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145	Paclitaxel-loaded sodium deoxycholate-stabilized zein nanoparticles: characterization and in vitro cytotoxicity. Heliyon, 2019, 5, e02422.	3.2	51
146	Cellular Internalizationâ€“Induced Aggregation of Porous Silicon Nanoparticles for Ultrasound Imaging and Proteinâ€Mediated Protection of Stem Cells. Small, 2019, 15, e1804332.	10.0	51
147	Physicochemical stability of high indomethacin payload ordered mesoporous silica MCM-41 and SBA-15 microparticles. International Journal of Pharmaceutics, 2011, 416, 242-51.	5.2	50
148	Bioactive isoflavones from Pueraria lobata root and starch: Different extraction techniques and carbonic anhydrase inhibition. Food and Chemical Toxicology, 2018, 112, 441-447.	3.6	50
149	Microfluidic fabrication and characterization of Sorafenib-loaded lipid-polymer hybrid nanoparticles for controlled drug delivery. International Journal of Pharmaceutics, 2020, 581, 119275.	5.2	50
150	Nanostructured porous silicon materials: potential candidates for improving drug delivery. Nanomedicine, 2012, 7, 1281-1284.	3.3	49
151	Quercetinâ€Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicinâ€Resistant Cancer Cells. Advanced Healthcare Materials, 2017, 6, 1601009.	7.6	49
152	Mathematical Models as Tools to Predict the Release Kinetic of Fluorescein from Lyotropic Colloidal Liquid Crystals. Materials, 2019, 12, 693.	2.9	49
153	Emerging insights on drug delivery by fatty acid mediated synthesis of lipophilic prodrugs as novel nanomedicines. Journal of Controlled Release, 2020, 326, 556-598.	9.9	49
154	Ammonium glycyrrhizate skin delivery from ultradeformable liposomes: A novel use as an anti-inflammatory agent in topical drug delivery. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111152.	5.0	49
155	Biomimetic platelet membrane-coated nanoparticles for targeted therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 172, 1-15.	4.3	49
156	Mild temperature photothermal assisted anti-bacterial and anti-inflammatory nanosystem for synergistic treatment of post-cataract surgery endophthalmitis. Theranostics, 2020, 10, 8541-8557.	10.0	48
157	Microfluidics platform for glass capillaries and its application in droplet and nanoparticle fabrication. International Journal of Pharmaceutics, 2017, 516, 100-105.	5.2	47
158	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
159	Process optimization of ecological probe sonication technique for production of rifampicin loaded niosomes. Journal of Drug Delivery Science and Technology, 2019, 50, 27-33.	3.0	46
160	Close-loop dynamic nanohybrids on collagen-ark with in situ gelling transformation capability for biomimetic stage-specific diabetic wound healing. Materials Horizons, 2019, 6, 385-393.	12.2	46
161	A Biomimetic 3Dâ€Selfâ€Forming Approach for Microvascular Scaffolds. Advanced Science, 2020, 7, 1903553.	11.2	46
162	Microfluidic Templated Mesoporous Siliconâ€“Solid Lipid Microcomposites for Sustained Drug Delivery. ACS Applied Materials & Interfaces, 2013, 5, 12127-12134.	8.0	45

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163	Fabrication, characterization and evaluation of bacterial cellulose-based capsule shells for oral drug delivery. Cellulose, 2017, 24, 1445-1454.	4.9	45
164	LinTT1 peptide-functionalized liposomes for targeted breast cancer therapy. International Journal of Pharmaceutics, 2021, 597, 120346.	5.2	45
165	pHâ€Switch Nanoprecipitation of Polymeric Nanoparticles for Multimodal Cancer Targeting and Intracellular Triggered Delivery of Doxorubicin. Advanced Healthcare Materials, 2016, 5, 1904-1916.	7.6	44
166	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
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