Hlder A Santos

List of Publications by Year in Descending Order

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	Engineered neutrophil-derived exosome-like vesicles for targeted cancer therapy.. *Science Advances*, **2022**, 8, eabj8207	14.3	5
377	Biomimetic platelet membrane-coated Nanoparticles for targeted therapy.. *European Journal of Pharmaceutics and Biopharmaceutics*, **2022**, 172, 1-1	5.7	4
376	Neonatal Fc receptor-targeted lignin-encapsulated porous silicon nanoparticles for enhanced cellular interactions and insulin permeation across the intestinal epithelium. *Bioactive Materials*, **2022**, 9, 299-315	16.7	4
375	Surface Adsorption-Mediated Ultrahigh Efficient Peptide Encapsulation with a Precise Ratiometric Control for Type 1 and 2 Diabetic Therapy.. *Small*, **2022**, e2200449	11	1
374	High drug-loaded microspheres enabled by controlled in-droplet precipitation promote functional recovery after spinal cord injury.. *Nature Communications*, **2022**, 13, 1262	17.4	3
373	Progress in Stimuli-Responsive Biomaterials for Treating Cardiovascular and Cerebrovascular Diseases.. *Small*, **2022**, e2200291	11	2
372	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak-Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors (Adv. Mater. 9/2022). *Advanced Materials*, **2022**, 34, 2270074	24	
371	Mussel-Inspired and Bioclickable Peptide Engineered Surface to Combat Thrombosis and Infection.. *Research*, **2022**, 2022, 9780879	7.8	4
370	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak-immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors. *Advanced Materials*, **2021**, e2108012	24	5
369	Inhibiting Phase Transfer of Protein Nanoparticles by Surface Camouflage-A Versatile and Efficient Protein Encapsulation Strategy. *Nano Letters*, **2021**, 21, 9458-9467	11.5	0
368	Tendon Tissue Repair in Prospective of Drug Delivery, Regenerative Medicines, and Innovative Bioscaffolds. *Stem Cells International*, **2021**, 2021, 1488829	5	2
367	Emerging Theranostic Nanomaterials in Diabetes and Its Complications. *Advanced Science*, **2021**, e2102466	15.6	7
366	Prospective Cancer Therapies Using Stimuli-Responsive DNA Nanostructures. *Macromolecular Bioscience*, **2021**, 21, e2100272	5.5	4
365	Microfluidic preparation and in vitro evaluation of iRGD-functionalized solid lipid nanoparticles for targeted delivery of paclitaxel to tumor cells. *International Journal of Pharmaceutics*, **2021**, 610, 121246	6.5	4
364	Peptide-guided resiquimod-loaded lignin nanoparticles convert tumor-associated macrophages from M2 to M1 phenotype for enhanced chemotherapy. *Acta Biomaterialia*, **2021**, 133, 231-243	10.8	27
363	A Theranostic Cellulose Nanocrystal-Based Drug Delivery System with Enhanced Retention in Pulmonary Metastasis of Melanoma. *Small*, **2021**, 17, e2007705	11	7
362	Chemically Engineered Immune Cell-Derived Microrobots and Biomimetic Nanoparticles: Emerging Biodiagnostic and Therapeutic Tools. *Advanced Science*, **2021**, 8, 2002499	13.6	12

361	LinTT1 peptide-functionalized liposomes for targeted breast cancer therapy. *International Journal of Pharmaceutics*, **2021**, 597, 120346	6.5	17
360	Mitochondria-Targeted Bovine Serum Albumin@Copper Sulfide Nanocomposites Conjugated with Rhodamine-110 Dye for an Enhanced Efficacy of Cancer Photothermal Therapy. *Particle and Particle Systems Characterization*, **2021**, 38, 2100013	3.1	2
359	Light-Controlled Nanosystem with Size-Flexibility Improves Targeted Retention for Tumor Suppression. *Advanced Functional Materials*, **2021**, 31, 2101262	15.6	10
358	One-step microfluidics production of enzyme-loaded liposomes for the treatment of inflammatory diseases. *Colloids and Surfaces B: Biointerfaces*, **2021**, 199, 111556	6	9
357	DNA-Grafted Hyaluronic Acid System with Enhanced Injectability and Biostability for Photo-Controlled Osteoarthritis Gene Therapy. *Advanced Science*, **2021**, 8, 2004793	13.6	10
356	An organic-inorganic hybrid scaffold with honeycomb-like structures enabled by one-step self-assembly-driven electrospinning. *Materials Science and Engineering C*, **2021**, 124, 112079	8.3	3
355	Multistage signal-interactive nanoparticles improve tumor targeting through efficient nanoparticle-cell communications. *Cell Reports*, **2021**, 35, 109131	10.6	3
354	Selenium Nanoparticles for Biomedical Applications: From Development and Characterization to Therapeutics. *Advanced Healthcare Materials*, **2021**, 10, e2100598	10.1	31
353	Non-viral nanoparticles for RNA interference: Principles of design and practical guidelines. *Advanced Drug Delivery Reviews*, **2021**, 174, 576-612	18.5	8
352	Intracellular Delivery of Budesonide and Polydopamine Co-Loaded in Endosomolytic Poly(butyl methacrylate-co-methacrylic acid) Grafted Acetalated Dextran for Macrophage Phenotype Switch from M1 to M2. *Advanced Therapeutics*, **2021**, 4, 2000058	4.9	7
351	Cell–Nanoparticle Interactions: Toxicity and Safety Issues **2021**, 207-242		3
350	Requirements for Animal Experiments: Problems and Challenges. *Small*, **2021**, 17, e2004182	11	12
349	Synthesis and therapeutic potential of stimuli-responsive metal-organic frameworks. *Chemical Engineering Journal*, **2021**, 408, 127233	14.7	7
348	One-Pot Synthesis of pH-Responsive Eudragit-Mesoporous Silica Nanocomposites Enable Colonic Delivery of Glucocorticoids for the Treatment of Inflammatory Bowel Disease. *Advanced Therapeutics*, **2021**, 4, 2000165	4.9	12
347	Combination Therapy of Killing Diseases by Injectable Hydrogels: From Concept to Medical Applications. *Advanced Healthcare Materials*, **2021**, 10, e2001571	10.1	65
346	Preparation of cetyl palmitate-based PEGylated solid lipid nanoparticles by microfluidic technique. *Acta Biomaterialia*, **2021**, 121, 566-578	10.8	21
345	Microneedles for painless transdermal immunotherapeutic applications. *Journal of Controlled Release*, **2021**, 330, 185-217	11.7	64
344	A Hydrogen-Bonded Extracellular Matrix-Mimicking Bactericidal Hydrogel with Radical Scavenging and Hemostatic Function for pH-Responsive Wound Healing Acceleration. *Advanced Healthcare Materials*, **2021**, 10, e2001122	10.1	47

343	Nanoliposomes as Multidrug Carrier of Gemcitabine/Paclitaxel for the Effective Treatment of Metastatic Breast Cancer Disease: A Comparison with Gemzar and Taxol. *Advanced Therapeutics*, **2021**, 4, 2000121	4.9	3
342	Intraoperative Assessment and Photothermal Ablation of the Tumor Margins Using Gold Nanoparticles. *Advanced Science*, **2021**, 8, 2002788	13.6	12
341	Biohybrid Nanosystems for Cancer Treatment: Merging the Best of Two Worlds. *Advances in Experimental Medicine and Biology*, **2021**, 1295, 135-162	3.6	
340	Requirements and properties of biomaterials for biomedical applications **2021**, 195-226		
339	Development of vaccine formulations: past, present, and future. *Drug Delivery and Translational Research*, **2021**, 11, 353-372	6.2	10
338	Engineered Extracellular Vesicles for Cancer Therapy. *Advanced Materials*, **2021**, 33, e2005709	24	46
337	Nanoparticle-mediated siRNA delivery systems for cancer therapy. *View*, **2021**, 2, 20200111	7.8	10
336	Nanonutraceuticals: The New Frontier of Supplementary Food. *Nanomaterials*, **2021**, 11,	5.4	11
335	Prevention of diabetes-associated fibrosis: Strategies in FcRn-targeted nanosystems for oral drug delivery. *Advanced Drug Delivery Reviews*, **2021**, 175, 113778	18.5	3
334	Challenges towards Targeted Drug Delivery in Cancer Nanomedicines. *Processes*, **2021**, 9, 1527	2.9	4
333	Extracellular vesicle therapeutics from plasma and adipose tissue. *Nano Today*, **2021**, 39, 101159-101159	17.9	10
332	Dual-Crosslinked Dynamic Hydrogel Incorporating {Mo } with pH and NIR Responsiveness for Chemo-Photothermal Therapy. *Advanced Materials*, **2021**, 33, e2007761	24	19
331	Engineering of 2D nanomaterials to trap and kill SARS-CoV-2: a new insight from multi-microsecond atomistic simulations. *Drug Delivery and Translational Research*, **2021**, 1	6.2	3
330	Programmable immune activating electrospun fibers for skin regeneration. *Bioactive Materials*, **2021**, 6, 3218-3230	16.7	10
329	Acetalated dextran based nano- and microparticles: synthesis, fabrication, and therapeutic applications. *Chemical Communications*, **2021**, 57, 4212-4229	5.8	8
328	Conventional Nanosized Drug Delivery Systems for Cancer Applications. *Advances in Experimental Medicine and Biology*, **2021**, 1295, 3-27	3.6	5
327	Doxorubicin Hydrochloride-Loaded Nonionic Surfactant Vesicles to Treat Metastatic and Non-Metastatic Breast Cancer. *ACS Omega*, **2021**, 6, 2973-2989	3.9	5
326	Investigation of silicon nanoparticles produced by centrifuge chemical vapor deposition for applications in therapy and diagnostics. *European Journal of Pharmaceutics and Biopharmaceutics*, **2021**, 158, 254-265	5.7	4

325	New insights into ethionamide metabolism: influence of oxidized methionine on its degradation path. *RSC Medicinal Chemistry*, **2020**, 11, 1423-1428	3.5	
324	Microvascular Scaffolds: A Biomimetic 3D-Self-Forming Approach for Microvascular Scaffolds (Adv. Sci. 9/2020). *Advanced Science*, **2020**, 7, 2070050	13.6	1
323	The Progress and Prospect of Zeolitic Imidazolate Frameworks in Cancer Therapy, Antibacterial Activity, and Biomineralization. *Advanced Healthcare Materials*, **2020**, 9, e2000248	10.1	41
322	All-in-one microfluidic assembly of insulin-loaded pH-responsive nano-in-microparticles for oral insulin delivery. *Biomaterials Science*, **2020**, 8, 3270-3277	7.4	12
321	Formulation optimization and in vitro characterization of rifampicin and ceftriaxone dual drug loaded niosomes with high energy probe sonication technique. *Journal of Drug Delivery Science and Technology*, **2020**, 58, 101763	4.5	11
320	Superfast and controllable microfluidic inking of anti-inflammatory melanin-like nanoparticles inspired by cephalopods. *Materials Horizons*, **2020**, 7, 1573-1580	14.4	6
319	Microfluidics: Microfluidics for Production of Particles: Mechanism, Methodology, and Applications (Small 9/2020). *Small*, **2020**, 16, 2070048	11	4
318	The solid progress of nanomedicine. *Drug Delivery and Translational Research*, **2020**, 10, 726-729	6.2	60
317	Liposome-Embedding Silicon Microparticle for Oxaliplatin Delivery in Tumor Chemotherapy. *Pharmaceutics*, **2020**, 12,	6.4	11
316	Multifunctional 3D-Printed Patches for Long-Term Drug Release Therapies after Myocardial Infarction. *Advanced Functional Materials*, **2020**, 30, 2003440	15.6	25
315	Current Trends in Simultaneous Determination of Co-Administered Drugs. *Separations*, **2020**, 7, 29	3.1	6
314	Tandem-Mass-Tag Based Proteomic Analysis Facilitates Analyzing Critical Factors of Porous Silicon Nanoparticles in Determining Their Biological Responses under Diseased Condition. *Advanced Science*, **2020**, 7, 2001129	13.6	9
313	A Biomimetic 3D-Self-Forming Approach for Microvascular Scaffolds. *Advanced Science*, **2020**, 7, 1903553	13.6	27
312	Immunogenicity of Polyethylene Glycol Based Nanomedicines: Mechanisms, Clinical Implications and Systematic Approach. *Advanced Therapeutics*, **2020**, 3, 1900170	4.9	20
311	pH-responsive cationic liposome for endosomal escape mediated drug delivery. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110804	6	35
310	The versatile biomedical applications of bismuth-based nanoparticles and composites: therapeutic, diagnostic, biosensing, and regenerative properties. *Chemical Society Reviews*, **2020**, 49, 1253-1321	58.5	133
309	Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol sebacate)/Nanoparticle-Based Composite Patch for Myocardial Infarction Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 6899-6909	9.5	30
308	Polyoxometalate Composites in Cancer Therapy and Diagnostics. *European Journal of Inorganic Chemistry*, **2020**, 2020, 2121-2132	2.3	15

307	Microfluidic fabrication and characterization of Sorafenib-loaded lipid-polymer hybrid nanoparticles for controlled drug delivery. *International Journal of Pharmaceutics*, **2020**, 581, 119275	6.5	22
306	Overcoming Nanoparticle-Mediated Complement Activation by Surface PEG Pairing. *Nano Letters*, **2020**, 20, 4312-4321	11.5	34
305	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	11.7	19
304	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	6	28
303	Microfluidics for Production of Particles: Mechanism, Methodology, and Applications. *Small*, **2020**, 16, e1904673	11	35
302	Design, synthesis and characterization of a PEGylated stanozolol for potential therapeutic applications. *International Journal of Pharmaceutics*, **2020**, 573, 118826	6.5	2
301	Gene-Hydrogel Microenvironment Regulates Extracellular Matrix Metabolism Balance in Nucleus Pulposus. *Advanced Science*, **2020**, 7, 1902099	13.6	26
300	Gold-silver nanoshells promote wound healing from drug-resistant bacteria infection and enable monitoring via surface-enhanced Raman scattering imaging. *Biomaterials*, **2020**, 234, 119763	15.6	52
299	Nanomedicine Therapies **2020**, 373-400		
298	Dual-peptide functionalized acetalated dextran-based nanoparticles for sequential targeting of macrophages during myocardial infarction. *Nanoscale*, **2020**, 12, 2350-2358	7.7	28
297	Advanced liposome-loaded scaffolds for therapeutic and tissue engineering applications. *Biomaterials*, **2020**, 232, 119706	15.6	63
296	Reactive oxygen species responsive nanoplatforms as smart drug delivery systems for gastrointestinal tract targeting. *Biopolymers*, **2020**, 111, e23336	2.2	16
295	Near-infrared light and magnetic field dual-responsive porous silicon-based nanocarriers to overcome multidrug resistance in breast cancer cells with enhanced efficiency. *Journal of Materials Chemistry B*, **2020**, 8, 546-557	7.3	14
294	Gelatin Templated Polypeptide Co-Cross-Linked Hydrogel for Bone Regeneration. *Advanced Healthcare Materials*, **2020**, 9, e1901239	10.1	48
293	Systematic in vitro biocompatibility studies of multimodal cellulose nanocrystal and lignin nanoparticles. *Journal of Biomedical Materials Research - Part A*, **2020**, 108, 770-783	5.4	20
292	Hybrid red blood cell membrane coated porous silicon nanoparticles functionalized with cancer antigen induce depletion of T cells.. *RSC Advances*, **2020**, 10, 35198-35205	3.7	4
291	Recent progress in the design of DNA vaccines against tuberculosis. *Drug Discovery Today*, **2020**, 25, 1978-1987	8.8	12
290	Recombination Monophosphoryl Lipid A-Derived Vacosome for the Development of Preventive Cancer Vaccines. *ACS Applied Materials & Interfaces*, **2020**, 12, 44554-44562	9.5	6

289	3D scaffolding of fast photocurable polyurethane for soft tissue engineering by stereolithography: Influence of materials and geometry on growth of fibroblast cells. *European Polymer Journal*, **2020**, 139, 109988	5.2	15
288	Evaluation of the effects of nanoprecipitation process parameters on the size and morphology of poly(ethylene oxide)-block-polycaprolactone nanostructures. *International Journal of Pharmaceutics*, **2020**, 590, 119900	6.5	3
287	Mild temperature photothermal assisted anti-bacterial and anti-inflammatory nanosystem for synergistic treatment of post-cataract surgery endophthalmitis. *Theranostics*, **2020**, 10, 8541-8557	12.1	14
286	In vitro and in vivo trans-epidermal water loss evaluation following topical drug delivery systems application for pharmaceutical analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 186, 113295	3.5	14
285	Microfibers synthesized by wet-spinning of chitin nanomaterials: mechanical, structural and cell proliferation properties.. *RSC Advances*, **2020**, 10, 29450-29459	3.7	9
284	Influence of Cell Membrane Wrapping on the Cell-Porous Silicon Nanoparticle Interactions. *Advanced Healthcare Materials*, **2020**, 9, e2000529	10.1	4
283	Emerging insights on drug delivery by fatty acid mediated synthesis of lipophilic prodrugs as novel nanomedicines. *Journal of Controlled Release*, **2020**, 326, 556-598	11.7	22
282	Novel RET agonist for the treatment of experimental neuropathies. *Molecular Pain*, **2020**, 16, 1744806920950866	3.4	7
281	Recent trends on the development of systems for cancer diagnosis and treatment by microfluidic technology. *Applied Materials Today*, **2020**, 18, 100450	6.6	12
280	Engineered antibody-functionalized porous silicon nanoparticles for therapeutic targeting of pro-survival pathway in endogenous neuroblasts after stroke. *Biomaterials*, **2020**, 227, 119556	15.6	15
279	Preparation and in vivo evaluation of red blood cell membrane coated porous silicon nanoparticles implanted with Tb. *Nuclear Medicine and Biology*, **2020**, 84-85, 102-110	2.1	4
278	Latest Advances on Bacterial Cellulose-Based Materials for Wound Healing, Delivery Systems, and Tissue Engineering. *Biotechnology Journal*, **2019**, 14, e1900059	5.6	60
277	Paclitaxel-loaded sodium deoxycholate-stabilized zein nanoparticles: characterization and cytotoxicity. *Heliyon*, **2019**, 5, e02422	3.6	34
276	Process optimization of ecological probe sonication technique for production of rifampicin loaded niosomes. *Journal of Drug Delivery Science and Technology*, **2019**, 50, 27-33	4.5	28
275	Acetylated Nanocellulose for Single-Component Bioinks and Cell Proliferation on 3D-Printed Scaffolds. *Biomacromolecules*, **2019**, 20, 2770-2778	6.9	48
274	Porous Silicon as a Platform for Radiation Theranostics Together with a Novel RIB-Based Radiolanthanoid. *Contrast Media and Molecular Imaging*, **2019**, 2019, 3728563	3.2	8
273	Acetalated Dextran Nanoparticles Loaded into an Injectable Alginate Cryogel for Combined Chemotherapy and Cancer Vaccination. *Advanced Functional Materials*, **2019**, 29, 1903686	15.6	26
272	Microfluidics: Nuts and Bolts: Microfluidics for the Production of Biomaterials (Adv. Mater. Technol. 6/2019). *Advanced Materials Technologies*, **2019**, 4, 1970034	6.8	2

271	Preparation and Characterization of Dentin Phosphophoryn-Derived Peptide-Functionalized Lignin Nanoparticles for Enhanced Cellular Uptake. *Small*, **2019**, 15, e1901427	11	41
270	Biohybrid Vaccines for Improved Treatment of Aggressive Melanoma with Checkpoint Inhibitor. *ACS Nano*, **2019**, 13, 6477-6490	16.7	29
269	Advanced Nanovaccines for Immunotherapy Applications: From Concept to Animal Tests **2019**, 231-260		0
268	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	7.9	21
267	Mathematical Modeling of Release Kinetics from Supramolecular Drug Delivery Systems. *Pharmaceutics*, **2019**, 11,	6.4	152
266	Mathematical Models as Tools to Predict the Release Kinetic of Fluorescein from Lyotropic Colloidal Liquid Crystals. *Materials*, **2019**, 12,	3.5	31
265	Photosensitive materials for constructing on-demanded drug-release systems **2019**, 193-210		2
264	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	11.5	58
263	Metal-Based Stents: Endovascular Metal Devices for the Treatment of Cerebrovascular Diseases (Adv. Mater. 8/2019). *Advanced Materials*, **2019**, 31, 1970058	24	1
262	Self-Healing: Self-Healing and Injectable Hydrogel for Matching Skin Flap Regeneration (Adv. Sci. 3/2019). *Advanced Science*, **2019**, 6, 1970019	13.6	78
261	Antimicrobial Colloidal Silver–Lignin Particles via Ion and Solvent Exchange. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15297-15303	8.3	11
260	Metal Species–Encapsulated Mesoporous Silica Nanoparticles: Current Advancements and Latest Breakthroughs. *Advanced Functional Materials*, **2019**, 29, 1902652	15.6	53
259	Outer-inner dual reinforced micro/nano hierarchical scaffolds for promoting osteogenesis. *Nanoscale*, **2019**, 11, 15794-15803	7.7	5
258	Tumor exosome-based nanoparticles are efficient drug carriers for chemotherapy. *Nature Communications*, **2019**, 10, 3838	17.4	294
257	Lipid-polymer hybrid nanoparticles for controlled delivery of hydrophilic and lipophilic doxorubicin for breast cancer therapy. *International Journal of Nanomedicine*, **2019**, 14, 4961-4974	7.3	38
256	On the issue of transparency and reproducibility in nanomedicine. *Nature Nanotechnology*, **2019**, 14, 629-635	28.7	92
255	A Virus-Mimicking pH-Responsive Acetalated Dextran-Based Membrane-Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics. *Advanced Functional Materials*, **2019**, 29, 1905352	15.6	26
254	Utilization of green formulation technique and efficacy estimation on cell line studies for dual anticancer drug therapy with niosomes. *International Journal of Pharmaceutics*, **2019**, 572, 118764	6.5	8

253	Functionalized Bacterial Cellulose Microparticles for Drug Delivery in Biomedical Applications. *Current Pharmaceutical Design*, **2019**, 25, 3692-3701	3.3	12
252	Detection and Quantification of eDNA-Associated Bacterial Membrane Vesicles by Flow Cytometry. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	15
251	Artificially cloaked viral nanovaccine for cancer immunotherapy. *Nature Communications*, **2019**, 10, 5747	17.4	49
250	Antitumor Therapeutics: A Virus-Mimicking pH-Responsive Acetalated Dextran-Based Membrane-Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics (Adv. Funct. Mater. 51/2019). *Advanced Functional Materials*, **2019**, 29, 1970351	15.6	1
249	Polydocanol foam stabilized by liposomes: Supramolecular nanoconstructs for sclerotherapy. *Colloids and Surfaces B: Biointerfaces*, **2019**, 175, 469-476	6	6
248	Endovascular Metal Devices for the Treatment of Cerebrovascular Diseases. *Advanced Materials*, **2019**, 31, e1805452	24	25
247	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	9.5	86
246	Automatic methodologies to perform loading and release assays of anticancer drugs from mesoporous silicon nanoparticles. *Talanta*, **2019**, 196, 277-283	6.2	2
245	Cellular Internalization-Induced Aggregation of Porous Silicon Nanoparticles for Ultrasound Imaging and Protein-Mediated Protection of Stem Cells. *Small*, **2019**, 15, e1804332	11	26
244	Self-Healing and Injectable Hydrogel for Matching Skin Flap Regeneration. *Advanced Science*, **2019**, 6, 1801555	13.6	80
243	Nuts and Bolts: Microfluidics for the Production of Biomaterials. *Advanced Materials Technologies*, **2019**, 4, 1800611	6.8	8
242	Cell-Nanoparticle Interactions at (Sub)-Nanometer Resolution Analyzed by Electron Microscopy and Correlative Coherent Anti-Stokes Raman Scattering. *Biotechnology Journal*, **2019**, 14, e1800413	5.6	4
241	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	14.4	30
240	Microfluidic mixing and devices for preparing nanoparticulate drug delivery systems **2019**, 155-177		4
239	Radiolabeled Molecular Imaging Probes for the In Vivo Evaluation of Cellulose Nanocrystals for Biomedical Applications. *Biomacromolecules*, **2019**, 20, 674-683	6.9	25
238	Electrospun Fibrous Architectures for Drug Delivery, Tissue Engineering and Cancer Therapy. *Advanced Functional Materials*, **2019**, 29, 1802852	15.6	118
237	Euryale Ferox Seed-Inspired Superlubricated Nanoparticles for Treatment of Osteoarthritis. *Advanced Functional Materials*, **2019**, 29, 1807559	15.6	46
236	Using microfluidic platforms to develop CNS-targeted polymeric nanoparticles for HIV therapy. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 138, 111-124	5.7	45

235	The importance of microfluidics for the preparation of nanoparticles as advanced drug delivery systems. *Expert Opinion on Drug Delivery*, **2018**, 15, 469-479	8	45
234	Hierarchical Microplates as Drug Depots with Controlled Geometry, Rigidity, and Therapeutic Efficacy. *ACS Applied Materials & Interfaces*, **2018**, 10, 9280-9289	9.5	15
233	An insight of in vitro transport of PEGylated non-ionic surfactant vesicles (NSVs) across the intestinal polarized enterocyte monolayers. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 127, 432-442	5.7	13
232	Electrospun Polyhydroxybutyrate/Poly(ε-caprolactone)/Sol-Gel-Derived Silica Hybrid Scaffolds with Drug Releasing Function for Bone Tissue Engineering Applications. *ACS Applied Materials & Interfaces*, **2018**, 10, 14540-14548	9.5	43
231	Neuroprotection: Biodegradable Spheres Protect Traumatically Injured Spinal Cord by Alleviating the Glutamate-Induced Excitotoxicity (Adv. Mater. 14/2018). *Advanced Materials*, **2018**, 30, 1870095	24	
230	Immunostimulation and Immunosuppression: Nanotechnology on the Brink. *Small Methods*, **2018**, 2, 1700347	12.4	24
229	Bioengineered Porous Silicon Nanoparticles@Macrophages Cell Membrane as Composite Platforms for Rheumatoid Arthritis. *Advanced Functional Materials*, **2018**, 28, 1801355	15.6	26
228	Cell Membrane-Based Nanoreactor To Mimic the Bio-Compartmentalization Strategy of a Cell. *ACS Biomaterials Science and Engineering*, **2018**, 4, 1471-1478	5.5	9
227	Gold Nanorods Conjugated Porous Silicon Nanoparticles Encapsulated in Calcium Alginate Nano Hydrogels Using Microemulsion Templates. *Nano Letters*, **2018**, 18, 1448-1453	11.5	54
226	Biodegradable Spheres Protect Traumatically Injured Spinal Cord by Alleviating the Glutamate-Induced Excitotoxicity. *Advanced Materials*, **2018**, 30, e1706032	24	30
225	Dual-Drug Delivery Using Dextran-Functionalized Nanoparticles Targeting Cardiac Fibroblasts for Cellular Reprogramming. *Advanced Functional Materials*, **2018**, 28, 1705134	15.6	42
224	Production of pure drug nanocrystals and nano co-crystals by confinement methods. *Advanced Drug Delivery Reviews*, **2018**, 131, 3-21	18.5	63
223	3D printing: prospects and challenges **2018**, 299-379		6
222	Cardiac Actions of a Small Molecule Inhibitor Targeting GATA4-NKX2-5 Interaction. *Scientific Reports*, **2018**, 8, 4611	4.9	22
221	Tailoring Porous Silicon for Biomedical Applications: From Drug Delivery to Cancer Immunotherapy. *Advanced Materials*, **2018**, 30, e1703740	24	92
220	Bridging the Knowledge of Different Worlds to Understand the Big Picture of Cancer Nanomedicines. *Advanced Healthcare Materials*, **2018**, 7, 1700432	10.1	21
219	Manipulating Superparamagnetic Microparticles with an Electromagnetic Needle. *Advanced Materials Technologies*, **2018**, 3, 1700177	6.8	8
218	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	24	59

217	Mesoporous Silica Nanoparticles for Targeted and Stimuli-Responsive Delivery of Chemotherapeutics: A Review. *Advanced Biology*, **2018**, 2, 1800020	3.5	51
216	DNA Hydrogel Assemblies: Bridging Synthesis Principles to Biomedical Applications. *Advanced Therapeutics*, **2018**, 1, 1800042	4.9	43
215	Localized Controlled Delivery of Gemcitabine via Microsol Electrospun Fibers to Prevent Pancreatic Cancer Recurrence. *Advanced Healthcare Materials*, **2018**, 7, e1800593	10.1	26
214	The Emerging Role of Multifunctional Theranostic Materials in Cancer Nanomedicine **2018**, 1-31		5
213	Adjustable hardness of hydrogel for promoting vascularization and maintaining stemness of stem cells in skin flap regeneration. *Applied Materials Today*, **2018**, 13, 54-63	6.6	35
212	An immunological electrospun scaffold for tumor cell killing and healthy tissue regeneration. *Materials Horizons*, **2018**, 5, 1082-1091	14.4	21
211	Impact of Pore Size and Surface Chemistry of Porous Silicon Particles and Structure of Phospholipids on Their Interactions. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2308-2313	5.5	13
210	Light-Activatable Assembled Nanoparticles to Improve Tumor Penetration and Eradicate Metastasis in Triple Negative Breast Cancer. *Advanced Functional Materials*, **2018**, 28, 1801738	15.6	23
209	Biofunctionalized Mesoporous Silica Nanomaterials for Targeted Drug Delivery **2018**, 489-520		3
208	Chemotherapy with Porous Silicon **2018**, 1403-1417		
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