

Khuloud T Al-Jamal

List of Publications by Year in descending order

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197
papers

10,240
citations

28242

55
h-index

42364

92
g-index

202
all docs

202
docs citations

202
times ranked

13331
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous Silicon in Drug Delivery Applications. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 632-653.	1.6	398
2	Multiwalled carbon nanotube–doxorubicin supramolecular complexes for cancer therapeutics. <i>Chemical Communications</i> , 2008, , 459-461.	2.2	327
3	Biocompatibility of Thermally Hydrocarbonized Porous Silicon Nanoparticles and their Biodistribution in Rats. <i>ACS Nano</i> , 2010, 4, 3023-3032.	7.3	316
4	Physiologically Based Pharmacokinetic Modeling of Nanoparticles. <i>ACS Nano</i> , 2010, 4, 6303-6317.	7.3	313
5	Length-Dependent Retention of Carbon Nanotubes in the Pleural Space of Mice Initiates Sustained Inflammation and Progressive Fibrosis on the Parietal Pleura. <i>American Journal of Pathology</i> , 2011, 178, 2587-2600.	1.9	278
6	Filled and glycosylated carbon nanotubes for in vivo radioemitter localization and imaging. <i>Nature Materials</i> , 2010, 9, 485-490.	13.3	267
7	Translocation mechanisms of chemically functionalised carbon nanotubes across plasma membranes. <i>Biomaterials</i> , 2012, 33, 3334-3343.	5.7	224
8	Functional motor recovery from brain ischemic insult by carbon nanotube-mediated siRNA silencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10952-10957.	3.3	217
9	Dynamic Imaging of Functionalized Multi-Walled Carbon Nanotube Systemic Circulation and Urinary Excretion. <i>Advanced Materials</i> , 2008, 20, 225-230.	11.1	196
10	Functionalized–Quantum–Dot–Liposome Hybrids as Multimodal Nanoparticles for Cancer. <i>Small</i> , 2008, 4, 1406-1415.	5.2	178
11	The interaction of carbon nanotubes with an <i>in vitro</i> blood-brain barrier model and mouse brain <i>in vivo</i> . <i>Biomaterials</i> , 2015, 53, 437-452.	5.7	178
12	Synthesis and Characterization of a Carbon Nanotube–Dendron Series for Efficient siRNA Delivery. <i>Journal of the American Chemical Society</i> , 2009, 131, 9843-9848.	6.6	168
13	Functionalised carbon nanotubes: From intracellular uptake and cell-related toxicity to systemic brain delivery. <i>Journal of Controlled Release</i> , 2016, 241, 200-219.	4.8	157
14	Polyethylene Glycol Conjugated Polymeric Nanocapsules for Targeted Delivery of Quercetin to Folate-Expressing Cancer Cells <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2014, 8, 1384-1401.	7.3	155
15	Antitumor Activity and Prolonged Survival by Carbon–Nanotube–Mediated Therapeutic siRNA Silencing in a Human Lung Xenograft Model. <i>Small</i> , 2009, 5, 1176-1185.	5.2	153
16	Lipid–Quantum Dot Bilayer Vesicles Enhance Tumor Cell Uptake and Retention <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2008, 2, 408-418.	7.3	141
17	Magnetic Drug Targeting: Preclinical <i>in Vivo</i> Studies, Mathematical Modeling, and Extrapolation to Humans. <i>Nano Letters</i> , 2016, 16, 5652-5660.	4.5	140
18	Optical, electrochemical and electrical (nano)biosensors for detection of exosomes: A comprehensive overview. <i>Biosensors and Bioelectronics</i> , 2020, 161, 112222.	5.3	128

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19	Cell membrane coating integrity affects the internalization mechanism of biomimetic nanoparticles. <i>Nature Communications</i> , 2021, 12, 5726.	5.8	126
20	Supramolecular structures from dendrons and dendrimers. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 2238-2270.	6.6	124
21	Cationic Poly-L-lysine Dendrimer Complexes Doxorubicin and Delays Tumor Growth <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2013, 7, 1905-1917.	7.3	124
22	Selection of Fluorescent, Bioluminescent, and Radioactive Tracers to Accurately Reflect Extracellular Vesicle Biodistribution <i>in Vivo</i> . <i>ACS Nano</i> , 2021, 15, 3212-3227.	7.3	115
23	Dual stimulation of antigen presenting cells using carbon nanotube-based vaccine delivery system for cancer immunotherapy. <i>Biomaterials</i> , 2016, 104, 310-322.	5.7	114
24	Tumor Targeting of Functionalized Quantum Dot~Liposome Hybrids by Intravenous Administration. <i>Molecular Pharmaceutics</i> , 2009, 6, 520-530.	2.3	111
25	Translocation of LRP1 targeted carbon nanotubes of different diameters across the blood-brain barrier <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Controlled Release</i> , 2016, 225, 217-229.	4.8	111
26	Cellular uptake mechanisms of functionalised multi-walled carbon nanotubes by 3D electron tomography imaging. <i>Nanoscale</i> , 2011, 3, 2627.	2.8	110
27	Degree of Chemical Functionalization of Carbon Nanotubes Determines Tissue Distribution and Excretion Profile. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6389-6393.	7.2	109
28	<i>In vivo</i> degradation of functionalized carbon nanotubes after stereotactic administration in the brain cortex. <i>Nanomedicine</i> , 2012, 7, 1485-1494.	1.7	104
29	Systemic antiangiogenic activity of cationic poly-L-lysine dendrimer delays tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3966-3971.	3.3	97
30	Challenges and prospects of nanosized silicon anodes in lithium-ion batteries. <i>Nanotechnology</i> , 2021, 32, 042002.	1.3	95
31	Hybrid Polymer-Grafted Multiwalled Carbon Nanotubes for <i>In vitro</i> Gene Delivery. <i>Small</i> , 2010, 6, 2281-2291.	5.2	94
32	Passively Targeted Curcumin-Loaded PEGylated PLGA Nanocapsules for Colon Cancer Therapy <i>In Vivo</i> . <i>Small</i> , 2015, 11, 4704-4722.	5.2	94
33	Membrane Radiolabelling of Exosomes for Comparative Biodistribution Analysis in Immunocompetent and Immunodeficient Mice - A Novel and Universal Approach. <i>Theranostics</i> , 2019, 9, 1666-1682.	4.6	94
34	Functionalized Carbon Nanotubes in the Brain: Cellular Internalization and Neuroinflammatory Responses. <i>PLoS ONE</i> , 2013, 8, e80964.	1.1	89
35	Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. <i>ACS Nano</i> , 2015, 9, 7815-7830.	7.3	86
36	Cellular Uptake and Cytotoxic Impact of Chemically Functionalized and Polymer-Coated Carbon Nanotubes. <i>Small</i> , 2011, 7, 3230-3238.	5.2	84

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37	Surface Chemistry, Reactivity, and Pore Structure of Porous Silicon Oxidized by Various Methods. <i>Langmuir</i> , 2012, 28, 10573-10583.	1.6	82
38	Magnetically Decorated Multiwalled Carbon Nanotubes as Dual MRI and SPECT Contrast Agents. <i>Advanced Functional Materials</i> , 2014, 24, 1880-1894.	7.8	72
39	Enhanced cellular internalization and gene silencing with a series of cationic dendronized multiwalled carbon nanotube:siRNA complexes. <i>FASEB Journal</i> , 2010, 24, 4354-4365.	0.2	71
40	Preparation of Exosomes for siRNA Delivery to Cancer Cells. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	69
41	Nanoparticles functionalised with recombinant single chain Fv antibody fragments (scFv) for the magnetic resonance imaging of cancer cells. <i>Biomaterials</i> , 2010, 31, 1307-1315.	5.7	68
42	¹⁸ F-Labeled Modified Porous Silicon Particles for Investigation of Drug Delivery Carrier Distribution in Vivo with Positron Emission Tomography. <i>Molecular Pharmaceutics</i> , 2011, 8, 1799-1806.	2.3	65
43	Development of Porous Silicon Nanocarriers for Parenteral Peptide Delivery. <i>Molecular Pharmaceutics</i> , 2013, 10, 353-359.	2.3	65
44	Therapeutics, imaging and toxicity of nanomaterials in the central nervous system. <i>Journal of Controlled Release</i> , 2012, 161, 290-306.	4.8	63
45	Design, engineering and structural integrity of electro-responsive carbon nanotube- based hydrogels for pulsatile drug release. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4593.	2.9	63
46	Smart Porous Silicon Nanoparticles with Polymeric Coatings for Sequential Combination Therapy. <i>Molecular Pharmaceutics</i> , 2015, 12, 4038-4047.	2.3	63
47	Novel Delivery Systems for Improving the Clinical Use of Peptides. <i>Pharmacological Reviews</i> , 2015, 67, 541-561.	7.1	62
48	Investigating the effect of tumor vascularization on magnetic targeting in vivo using retrospective design of experiment. <i>Biomaterials</i> , 2016, 106, 276-285.	5.7	62
49	Improved stability and biocompatibility of nanostructured silicon drug carrier for intravenous administration. <i>Acta Biomaterialia</i> , 2015, 13, 207-215.	4.1	60
50	Application of carbon nanotubes in cancer vaccines: Achievements, challenges and chances. <i>Journal of Controlled Release</i> , 2019, 297, 79-90.	4.8	59
51	Development of a simple, sensitive and selective colorimetric aptasensor for the detection of cancer-derived exosomes. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112576.	5.3	59
52	Utilising thermoporometry to obtain new insights into nanostructured materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 811-821.	2.0	58
53	Design of Cationic Multiwalled Carbon Nanotubes as Efficient siRNA Vectors for Lung Cancer Xenograft Eradication. <i>Bioconjugate Chemistry</i> , 2015, 26, 1370-1379.	1.8	58
54	Temperature responsive porous silicon nanoparticles for cancer therapy – spatiotemporal triggering through infrared and radiofrequency electromagnetic heating. <i>Journal of Controlled Release</i> , 2016, 241, 220-228.	4.8	58

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55	The relationship between the diameter of chemically-functionalized multi-walled carbon nanotubes and their organ biodistribution profiles in vivo. <i>Biomaterials</i> , 2014, 35, 9517-9528.	5.7	57
56	Blood Circulation and Tissue Biodistribution of Lipid-Quantum Dot (L-QD) Hybrid Vesicles Intravenously Administered in Mice. <i>Bioconjugate Chemistry</i> , 2009, 20, 1696-1702.	1.8	55
57	Triple-Modal Imaging of Magnetically-Targeted Nanocapsules in Solid Tumours <i>In Vivo</i> . <i>Theranostics</i> , 2016, 6, 342-356.	4.6	55
58	Doxorubicin-loaded lipid-quantum dot hybrids: Surface topography and release properties. <i>International Journal of Pharmaceutics</i> , 2011, 416, 443-447.	2.6	54
59	Nanoengineering Artificial Lipid Envelopes Around Adenovirus by Self-Assembly. <i>ACS Nano</i> , 2008, 2, 1040-1050.	7.3	53
60	Engineering folate-targeting diselenide-containing triblock copolymer as a redox-responsive shell-sheddable micelle for antitumor therapy in vivo. <i>Acta Biomaterialia</i> , 2018, 76, 239-256.	4.1	53
61	Cytotoxic Assessment of Carbon Nanotube Interaction with Cell Cultures. <i>Methods in Molecular Biology</i> , 2011, 726, 299-312.	0.4	52
62	Functionalization of Mesoporous Silicon Nanoparticles for Targeting and Bioimaging Purposes. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-9.	1.5	52
63	Carbon nanotubes' surface chemistry determines their potency as vaccine nanocarriers in vitro and in vivo. <i>Journal of Controlled Release</i> , 2016, 225, 205-216.	4.8	52
64	Design of experiment (DoE)-driven <i>in vitro</i> and <i>in vivo</i> uptake studies of exosomes for pancreatic cancer delivery enabled by copper-free click chemistry-based labelling. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1779458.	5.5	52
65	Chlorin e6 Functionalized Theranostic Multistage Nanovectors Transported by Stem Cells for Effective Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23441-23449.	4.0	51
66	Mesoporous systems for poorly soluble drugs – recent trends. <i>International Journal of Pharmaceutics</i> , 2018, 536, 178-186.	2.6	51
67	Application of carbon nanotubes in neurology: clinical perspectives and toxicological risks. <i>Archives of Toxicology</i> , 2012, 86, 1009-1020.	1.9	50
68	An intrinsically fluorescent dendrimer as a nanoprobe of cell transport. <i>Journal of Drug Targeting</i> , 2006, 14, 405-412.	2.1	48
69	Kinetics of functionalised carbon nanotube distribution in mouse brain after systemic injection: Spatial to ultra-structural analyses. <i>Journal of Controlled Release</i> , 2016, 224, 22-32.	4.8	48
70	Functionalised Carbon Nanotubes Enhance Brain Delivery of Amyloid-Targeting Pittsburgh Compound B (PiB)-Derived Ligands. <i>Nanotheranostics</i> , 2018, 2, 168-183.	2.7	48
71	Ammonium and Guanidinium Dendron-Carbon Nanotubes by Amidation and Click Chemistry and their Use for siRNA Delivery. <i>Small</i> , 2013, 9, 3610-3619.	5.2	45
72	Exosome-mediated RNAi of PAK4 prolongs survival of pancreatic cancer mouse model after loco-regional treatment. <i>Biomaterials</i> , 2021, 264, 120369.	5.7	44

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73	Synthesis of double-clickable functionalised graphene oxide for biological applications. <i>Chemical Communications</i> , 2015, 51, 14981-14984.	2.2	43
74	Novel Hyaluronic Acid Conjugates for Dual Nuclear Imaging and Therapy in CD44-Expressing Tumors in Mice <i>in Vivo</i> . <i>Nanotheranostics</i> , 2017, 1, 59-79.	2.7	42
75	Utilising thermoporometry to obtain new insights into nanostructured materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 823-830.	2.0	41
76	Amine Surface Modifications and Fluorescent Labeling of Thermally Stabilized Mesoporous Silicon Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22307-22314.	1.5	41
77	Functionalized carbon nanotubes: revolution in brain delivery. <i>Nanomedicine</i> , 2015, 10, 2639-2642.	1.7	40
78	Tailored Dual PEGylation of Inorganic Porous Nanocarriers for Extremely Long Blood Circulation in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32723-32731.	4.0	39
79	Polyamine functionalized carbon nanotubes: synthesis, characterization, cytotoxicity and siRNA binding. <i>Journal of Materials Chemistry</i> , 2011, 21, 4850.	6.7	38
80	Systematic <i>in Vitro</i> and <i>in Vivo</i> study on porous silicon to improve the oral bioavailability of celecoxib. <i>Biomaterials</i> , 2015, 52, 44-55.	5.7	38
81	Dendrisomes: cationic lipidic dendron vesicular assemblies. <i>International Journal of Pharmaceutics</i> , 2003, 254, 33-36.	2.6	37
82	Cytotoxicity assessment of porous silicon microparticles for ocular drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 100, 1-8.	2.0	37
83	Neutron Activated ¹⁵³ Sm Sealed in Carbon Nanocapsules for <i>in Vivo</i> Imaging and Tumor Radiotherapy. <i>ACS Nano</i> , 2020, 14, 129-141.	7.3	37
84	Solvent-Free Click-Mechanochemistry for the Preparation of Cancer Cell Targeting Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18920-18923.	4.0	35
85	Scalable Synthesis of Biodegradable Black Mesoporous Silicon Nanoparticles for Highly Efficient Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23529-23538.	4.0	35
86	Bioinspired Polymerization of Quercetin to Produce a Curcumin-Loaded Nanomedicine with Potent Cytotoxicity and Cancer-Targeting Potential in Vivo. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6036-6045.	2.6	34
87	Surface engineered nanoliposomal platform for selective lymphatic uptake of asenapine maleate: <i>In vitro</i> and <i>in vivo</i> studies. <i>Materials Science and Engineering C</i> , 2020, 109, 110620.	3.8	33
88	Regulatory T Cell Extracellular Vesicles Modify T-Effector Cell Cytokine Production and Protect Against Human Skin Allograft Damage. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 317.	1.8	32
89	Quantitative Comparison of the Light-to-Heat Conversion Efficiency in Nanomaterials Suitable for Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33555-33566.	4.0	32
90	Carbon nanotube-mediated wireless cell permeabilization: drug and gene uptake. <i>Nanomedicine</i> , 2011, 6, 1709-1718.	1.7	31

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91	Organic Solvent-Free, One-Step Engineering of Graphene-Based Magnetic-Responsive Hybrids Using Design of Experiment-Driven Mechanochemistry. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14176-14181.	4.0	31
92	Effects of cooling rate in microscale and pilot scale freeze-drying " Variations in excipient polymorphs and protein secondary structure. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 95, 72-81.	1.9	31
93	Conjugation with carbon nanotubes improves the performance of mesoporous silicon as Li-ion battery anode. <i>Scientific Reports</i> , 2020, 10, 5589.	1.6	31
94	Enhanced Delivery of Neuroactive Drugs via Nasal Delivery with a Self-Healing Supramolecular Gel. <i>Advanced Science</i> , 2021, 8, e2101058.	5.6	31
95	Tailoring the Architecture of Cationic Polymer Brush-Modified Carbon Nanotubes for Efficient siRNA Delivery in Cancer Immunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30284-30294.	4.0	30
96	Porous silicon micro- and nanoparticles for printed humidity sensors. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	29
97	An "eat me" combinatory nano-formulation for systemic immunotherapy of solid tumors. <i>Theranostics</i> , 2021, 11, 8738-8754.	4.6	29
98	Assessment of Cellular Uptake and Cytotoxicity of Carbon Nanotubes Using Flow Cytometry. <i>Methods in Molecular Biology</i> , 2010, 625, 123-134.	0.4	28
99	A Nanostopper Approach To Selectively Engineer the Surfaces of Mesoporous Silicon. <i>Chemistry of Materials</i> , 2014, 26, 6734-6742.	3.2	28
100	Design of antibody-functionalized carbon nanotubes filled with radioactivable metals towards a targeted anticancer therapy. <i>Nanoscale</i> , 2016, 8, 12626-12638.	2.8	28
101	Nano-technology based carriers for nitrogen-containing bisphosphonates delivery as sensitizers of β T cells for anticancer immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2017, 114, 143-160.	6.6	28
102	Enhanced antitubercular activity, alveolar deposition and macrophages uptake of mannosylated stable nanoliposomes. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 513-523.	1.4	28
103	Dendrisomes: Vesicular Structures Derived from a Cationic Lipidic Dendron. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 102-113.	1.6	27
104	Polymeric glabrescione B nanocapsules for passive targeting of Hedgehog-dependent tumor therapy <i>in vitro</i> . <i>Nanomedicine</i> , 2017, 12, 711-728.	1.7	27
105	Nano Air Seeds Trapped in Mesoporous Janus Nanoparticles Facilitate Cavitation and Enhance Ultrasound Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35234-35243.	4.0	27
106	Combinatory Delivery of Etoposide and siCD47 in a Lipid Polymer Hybrid Delays Lung Tumor Growth in an Experimental Melanoma Lung Metastatic Model. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001853.	3.9	26
107	Cationic Liposome- Multi-Walled Carbon Nanotubes Hybrids for Dual siPLK1 and Doxorubicin Delivery <i>In Vitro</i> . <i>Pharmaceutical Research</i> , 2015, 32, 3293-3308.	1.7	25
108	<i>In vitro</i> potency, <i>in vitro</i> and <i>in vivo</i> efficacy of liposomal alendronate in combination with β T cell immunotherapy in mice. <i>Journal of Controlled Release</i> , 2016, 241, 229-241.	4.8	25

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109	Investigating in vitro and in vivo α 6 integrin receptor-targeting liposomal alendronate for combinatory T cell immunotherapy. <i>Journal of Controlled Release</i> , 2017, 256, 141-152.	4.8	25
110	Toward Controlled Photothermal Treatment of Single Cell: Optically Induced Heating and Remote Temperature Monitoring In Vitro through Double Wavelength Optical Tweezers. <i>ACS Photonics</i> , 2017, 4, 1993-2002.	3.2	25
111	Asenapine maleate-loaded nanostructured lipid carriers: optimization and in vitro, ex vivo and in vivo evaluations. <i>Nanomedicine</i> , 2019, 14, 889-910.	1.7	25
112	Mechanical penetration of β -lactam-resistant Gram-negative bacteria by programmable nanowires. <i>Science Advances</i> , 2020, 6, .	4.7	23
113	Dual Contrast CT Method Enables Diagnostics of Cartilage Injuries and Degeneration Using a Single CT Image. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2857-2866.	1.3	22
114	Anti-angiogenic poly-L-lysine dendrimer binds heparin and neutralizes its activity. <i>Results in Pharma Sciences</i> , 2012, 2, 9-15.	4.2	21
115	An electric-field responsive microsystem for controllable miniaturised drug delivery applications. <i>Sensors and Actuators B: Chemical</i> , 2012, 175, 100-105.	4.0	21
116	Fabrication of Porous Silicon Based Humidity Sensing Elements on Paper. <i>Journal of Sensors</i> , 2015, 2015, 1-10.	0.6	21
117	The Shortening of MWNT-SPION Hybrids by Steam Treatment Improves Their Magnetic Resonance Imaging Properties In Vitro and In Vivo. <i>Small</i> , 2016, 12, 2893-2905.	5.2	21
118	Engineering hepatitis B virus core particles for targeting HER2 receptors in vitro and in vivo. <i>Biomaterials</i> , 2017, 120, 126-138.	5.7	21
119	Protein-Corona-by-Design in 2D: A Reliable Platform to Decode Bio-Nano Interactions for the Next-Generation Quality-by-Design Nanomedicines. <i>Advanced Materials</i> , 2018, 30, e1802732.	11.1	21
120	Defined serum-free three-dimensional culture of umbilical cord-derived mesenchymal stem cells yields exosomes that promote fibroblast proliferation and migration in vitro. <i>FASEB Journal</i> , 2021, 35, e21206.	0.2	21
121	Kupffer Cell Isolation for Nanoparticle Toxicity Testing. <i>Journal of Visualized Experiments</i> , 2015, , e52989.	0.2	20
122	Doxorubicin enhances curcumin's cytotoxicity in human prostate cancer cells in vitro by enhancing its cellular uptake. <i>International Journal of Pharmaceutics</i> , 2016, 514, 169-175.	2.6	20
123	Microwave-Assisted Synthesis of SPION-Reduced Graphene Oxide Hybrids for Magnetic Resonance Imaging (MRI). <i>Nanomaterials</i> , 2019, 9, 1364.	1.9	20
124	An integrated vitamin E-coated polymer hybrid nanoplatform: A lucrative option for an enhanced in vitro macrophage retention for an anti-hepatitis B therapeutic prospect. <i>PLoS ONE</i> , 2020, 15, e0227231.	1.1	20
125	Inhalable DNase I microparticles engineered with biologically active excipients. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 700-709.	1.1	19
126	Real-time monitoring of magnetic drug targeting using fibered confocal fluorescence microscopy. <i>Journal of Controlled Release</i> , 2016, 244, 240-246.	4.8	19

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127	Bioengineering of virus-like particles as dynamic nanocarriers for in vivo delivery and targeting to solid tumours. <i>Advanced Drug Delivery Reviews</i> , 2022, 180, 114030.	6.6	19
128	PET Imaging of Small Extracellular Vesicles <i>via</i> [⁸⁹ Zr]Zr(oxinate) ₄ Direct Radiolabeling. <i>Bioconjugate Chemistry</i> , 2022, 33, 473-485.	1.8	19
129	Neutron-irradiated antibody-functionalised carbon nanocapsules for targeted cancer radiotherapy. <i>Carbon</i> , 2020, 162, 410-422.	5.4	18
130	Recent progress in nanotechnology-based drug carriers for celastrol delivery. <i>Biomaterials Science</i> , 2021, 9, 6355-6380.	2.6	18
131	Development of Real-Time Transendothelial Electrical Resistance Monitoring for an In Vitro Blood-Brain Barrier System. <i>Micromachines</i> , 2021, 12, 37.	1.4	18
132	An Electric-Field Responsive Microsystem for Controllable Miniaturised Drug Delivery Applications. <i>Procedia Engineering</i> , 2011, 25, 984-987.	1.2	17
133	Injected nanoparticles: The combination of experimental systems to assess cardiovascular adverse effects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 64-72.	2.0	17
134	Mixed micelles of lipoic acid-chitosan-poly(ethylene glycol) and distearoylphosphatidylethanolamine-poly(ethylene glycol) for tumor delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 228-242.	1.9	17
135	Engineering Human Epidermal Growth Receptor 2-Targeting Hepatitis B Virus Core Nanoparticles for siRNA Delivery <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Applied Nano Materials</i> , 2018, 1, 3269-3282.	2.4	17
136	Cavitation Induced by Janus-Like Mesoporous Silicon Nanoparticles Enhances Ultrasound Hyperthermia. <i>Frontiers in Chemistry</i> , 2019, 7, 393.	1.8	17
137	Cell uptake, cytoplasmic diffusion and nuclear access of a 6.5nm diameter dendrimer. <i>International Journal of Pharmaceutics</i> , 2007, 331, 215-219.	2.6	16
138	Yield Optimisation of Hepatitis B Virus Core Particles in E. coli Expression System for Drug Delivery Applications. <i>Scientific Reports</i> , 2017, 7, 43160.	1.6	16
139	Nanoparticle-Mediated <i>In Situ</i> Molecular Reprogramming of Immune Checkpoint Interactions for Cancer Immunotherapy. <i>ACS Nano</i> , 2021, 15, 17549-17564.	7.3	16
140	Engineered nanomedicines block the PD-1/PD-L1 axis for potentiated cancer immunotherapy. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 2749-2758.	2.8	16
141	Films of Graphene Nanomaterials Formed by Ultrasonic Spraying of Their Stable Suspensions. <i>Aerosol Science and Technology</i> , 2015, 49, 45-56.	1.5	15
142	Site-Specific ¹¹¹ In-Radiolabeling of Dual-PEGylated Porous Silicon Nanoparticles and Their In Vivo Evaluation in Murine 4T1 Breast Cancer Model. <i>Pharmaceutics</i> , 2019, 11, 686.	2.0	14
143	Low-Load Metal-Assisted Catalytic Etching Produces Scalable Porosity in Si Powders. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48969-48981.	4.0	14
144	Solubilisation and transformation of amphipathic lipidic dendron vesicles (dendrisomes) into mixed micelles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 268, 52-59.	2.3	13

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145	Designed inorganic porous nanovector with controlled release and MRI features for safe administration of doxorubicin. <i>International Journal of Pharmaceutics</i> , 2019, 554, 327-336.	2.6	12
146	Three-dimensional culture of dental pulp pluripotent-like stem cells (DPPSCs) enhances Nanog expression and provides a serum-free condition for exosome isolation. <i>FASEB BioAdvances</i> , 2020, 2, 419-433.	1.3	12
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