

Investigational nanomedicines in 2016: a review of nanomedicine clinical trials

Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology
9, e1416

DOI: [10.1002/wnan.1416](https://doi.org/10.1002/wnan.1416)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Advances in the clinical translation of nanotechnology. Current Opinion in Biotechnology, 2017, 46, 66-73.	6.6	30
2	Magnetic Nanoparticle-Based Hyperthermia for Cancer Treatment: Factors Affecting Heat Generation Efficiency. , 2017, , 393-424.		2
3	Development and Pre-Clinical Evaluation of Recombinant Human Myelin Basic Protein Nano Therapeutic Vaccine in Experimental Autoimmune Encephalomyelitis Mice Animal Model. Scientific Reports, 2017, 7, 46468.	3.3	22
4	Delivering safer immunotherapies for cancer. Advanced Drug Delivery Reviews, 2017, 114, 79-101.	13.7	233
5	Glucose-installed, SPIO-loaded PEG-b-PCL micelles as MR contrast agents to target prostate cancer cells. Applied Nanoscience (Switzerland), 2017, 7, 711-721.	3.1	11
6	Pitfalls in using fluorescence tagging of nanomaterials: tectoâ€dendrimers in skin tissue as investigated by Clusterâ€FLIM. Annals of the New York Academy of Sciences, 2017, 1405, 202-214.	3.8	18
7	A Nearâ€Infrared Responsive Drug Sequential Release System for Better Eradicating Amyloid Aggregates. Small, 2017, 13, 1701817.	10.0	34
8	Thiol-Triggered Release of Intraliposomal Content from Liposomes Made of Extremophile-Inspired Tetraether Lipids. Bioconjugate Chemistry, 2017, 28, 2041-2045.	3.6	11
9	<i>In vitro</i> evaluation of the internalization and toxicological profile of silica nanoparticles and submicroparticles for the design of dermal drug delivery strategies. Journal of Applied Toxicology, 2017, 37, 1396-1407.	2.8	13
10	Diblock copolymer bilayers as model for polymersomes: A coarse grain approach. Journal of Chemical Physics, 2017, 146, 244904.	3.0	14
11	Nanomaterials for the Capture and Therapeutic Targeting of Circulating Tumor Cells. Cellular and Molecular Bioengineering, 2017, 10, 275-294.	2.1	34
12	Effect of the nanoformulation of siRNA-lipid assemblies on their cellular uptake and immune stimulation. International Journal of Nanomedicine, 2017, Volume 12, 5121-5133.	6.7	21
13	Hierarchical Microplates as Drug Depots with Controlled Geometry, Rigidity, and Therapeutic Efficacy. ACS Applied Materials & Interfaces, 2018, 10, 9280-9289.	8.0	18
14	Recent progress in dendrimer-based nanomedicine development. Archives of Pharmacal Research, 2018, 41, 571-582.	6.3	110
15	Nanotherapeutics in oral and parenteral drug delivery: Key learnings and future outlooks as we think small. Journal of Controlled Release, 2018, 272, 159-168.	9.9	55
16	Chemical modifications of nucleic acid drugs and their delivery systems for geneâ€based therapy. Medicinal Research Reviews, 2018, 38, 829-869.	10.5	108
17	Bridging the Knowledge of Different Worlds to Understand the Big Picture of Cancer Nanomedicines. Advanced Healthcare Materials, 2018, 7, 1700432.	7.6	30
18	Gold nanoparticle nucleated cavitation for enhanced high intensity focused ultrasound therapy. Physics in Medicine and Biology, 2018, 63, 015004.	3.0	23

#	ARTICLE	IF	CITATIONS
19	Chemical Disarmament in a Technologically Evolving World. ACS Symposium Series, 2018, , 3-35.	0.5	2
20	Glucose-installed biodegradable polymeric micelles for cancer-targeted drug delivery system: synthesis, characterization and in vitro evaluation. Journal of Materials Science: Materials in Medicine, 2018, 29, 177.	3.6	10
21	Functional muscle recovery with nanoparticle-directed M2 macrophage polarization in mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10648-10653.	7.1	112
22	Bringing Again Noble Metal Nanoparticles to the Forefront of Cancer Therapy. Frontiers in Bioengineering and Biotechnology, 2018, 6, 143.	4.1	53
23	Endogenously Triggerable Ultrasmall-in-Nano Architectures: Targeting Assessment on 3D Pancreatic Carcinoma Spheroids. ACS Omega, 2018, 3, 11796-11801.	3.5	31
24	Stimuli-Responsive Nano-Architecture Drug-Delivery Systems to Solid Tumor Micromilieu: Past, Present, and Future Perspectives. ACS Nano, 2018, 12, 10636-10664.	14.6	320
25	Different Nanoformulations Alter the Tissue Distribution of Paclitaxel, Which Aligns with Reported Distinct Efficacy and Safety Profiles. Molecular Pharmaceutics, 2018, 15, 4505-4516.	4.6	15
26	Nano based drug delivery systems: recent developments and future prospects. Journal of Nanobiotechnology, 2018, 16, 71.	9.1	3,689
27	AGuIX [®] from bench to bedside—Transfer of an ultrasmall theranostic gadolinium-based nanoparticle to clinical medicine. British Journal of Radiology, 2019, 92, 20180365.	2.2	86
28	Nucleic acid nanomedicines in Phase II/III clinical trials: translation of nucleic acid therapies for reprogramming cells. Nanomedicine, 2018, 13, 2083-2098.	3.3	31
30	Nanotechnology for Health, Food, and Hygiene. , 2018, , 81-104.		0
31	Molecular Dynamics Simulations to Study Drug Delivery Systems. , 0, , .		10
32	Current Trends and Challenges in the Clinical Translation of Nanoparticulate Nanomedicines: Pathways for Translational Development and Commercialization. Frontiers in Pharmacology, 2018, 9, 790.	3.5	586
33	Nanotheranostics and Their Potential in the Management of Metastatic Cancer. , 2018, , 199-244.		2
34	Nano-Strategies to Fight Multidrug Resistant Bacteria—A Battle of the Titans. Frontiers in Microbiology, 2018, 9, 1441.	3.5	578
35	Biodistribution and biocompatibility of passion fruit-like nano-architectures in zebrafish. Nanotoxicology, 2018, 12, 914-922.	3.0	33
36	Controlled-release nanotherapeutics: State of translation. Journal of Controlled Release, 2018, 284, 39-48.	9.9	47
37	Emergent nanotherapies in microcrystal-induced arthritis. International Immunopharmacology, 2018, 61, 197-203.	3.8	3

#	ARTICLE	IF	CITATIONS
38	Using Large Datasets to Understand Nanotechnology. <i>Advanced Materials</i> , 2019, 31, e1902798.	21.0	45
39	Optimizing Advances in Nanoparticle Delivery for Cancer Immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2019, 144, 3-15.	13.7	44
40	Integrating nanomedicine into clinical radiotherapy regimens. <i>Advanced Drug Delivery Reviews</i> , 2019, 144, 35-56.	13.7	32
41	Cost-effectiveness of nanomedicine: estimating the real size of nano-costs. <i>Nanomedicine</i> , 2019, 14, 1367-1370.	3.3	39
42	Nanotechnology approaches for delivery of cytochrome P450 substrates in HIV treatment. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 869-882.	5.0	8
43	Nanomedicine and Drug Delivery Systems in Overcoming Resistance to Targeted Therapy. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2019, , 291-312.	0.1	0
44	Precision Cancer Nanotherapy: Evolving Role of Multifunctional Nanoparticles for Cancer Active Targeting. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10475-10496.	6.4	110
45	Magnetic Nanoparticles: Current Trends and Future Aspects in Diagnostics and Nanomedicine. <i>Current Drug Metabolism</i> , 2019, 20, 457-472.	1.2	78
46	The consolidation of nanomedicine. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1569.	6.1	26
47	Response to Letter to the Editor: "Current Advances in Development of new Docetaxel Formulations". <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 775-775.	5.0	1
48	Understanding Cell Interactions Using Modular Nanoparticle Libraries. <i>Australian Journal of Chemistry</i> , 2019, 72, 595.	0.9	3
49	Micro- and Nanosystems for Advanced Transdermal Delivery. <i>Advanced Therapeutics</i> , 2019, 2, 1900141.	3.2	18
51	Intratumor Performance and Therapeutic Efficacy of PAMAM Dendrimers Carried by Clustered Nanoparticles. <i>Nano Letters</i> , 2019, 19, 8947-8955.	9.1	41
52	Nanotechnology in Oral Cavity Carcinoma: Recent Trends and Treatment Opportunities. <i>Nanomaterials</i> , 2019, 9, 1546.	4.1	8
53	Bacterial microcompartments: catalysis-enhancing metabolic modules for next generation metabolic and biomedical engineering. <i>BMC Biology</i> , 2019, 17, 79.	3.8	32
54	Are nanotechnological approaches the future of treating inflammatory diseases?. <i>Nanomedicine</i> , 2019, 14, 2379-2390.	3.3	8
55	Long-term delivery of protein and peptide therapeutics for cancer therapies. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 1113-1131.	5.0	16
56	A protein corona primer for physical chemists. <i>Journal of Chemical Physics</i> , 2019, 151, 130901.	3.0	23

#	ARTICLE	IF	CITATIONS
57	Pharmacokinetics of nanotechnology-based formulations in pediatric populations. <i>Advanced Drug Delivery Reviews</i> , 2019, 151-152, 44-55.	13.7	23
58	<i>Polymeric Nanomaterials.</i> , 2019, , 1-66.		25
59	Nanomedicines for cancer therapy: current status, challenges and future prospects. <i>Therapeutic Delivery</i> , 2019, 10, 113-132.	2.2	102
60	Protein-driven nanomedicines in oncotherapy. <i>Current Opinion in Pharmacology</i> , 2019, 47, 1-7.	3.5	21
61	Nano-Based Systems and Biomacromolecules as Carriers for Metallodrugs in Anticancer Therapy. <i>Inorganics</i> , 2019, 7, 2.	2.7	28
62	<i>Clinical Aspects and Regulatory Requirements for Nanomedicines.</i> , 2019, , 733-752.		9
63	Novel fatty acid-based pH-responsive nanostructured lipid carriers for enhancing antibacterial delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101125.	3.0	19
64	Induction of anti-cancer T cell immunity by in situ vaccination using systemically administered nanomedicines. <i>Cancer Letters</i> , 2019, 459, 192-203.	7.2	23
65	Nonviral Gene Therapy: Peptiplexes. , 2019, , 247-276.		2
66	Translational challenges in advancing regenerative therapy for treating neurological disorders using nanotechnology. <i>Advanced Drug Delivery Reviews</i> , 2019, 148, 60-67.	13.7	23
67	Amphipathic Nanodiamond Supraparticles for Anticancer Drug Loading and Delivery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18978-18987.	8.0	23
68	Development and validation of a novel UPLC-ELSD method for the assessment of lipid composition of nanomedicine formulation. <i>International Journal of Pharmaceutics</i> , 2019, 566, 11-23.	5.2	16
69	<i>Clinical Translation of Nanomaterials.</i> , 2019, , 75-111.		0
70	In Vitro Drug Dissolution/Permeation Testing of Nanocarriers for Skin Application: a Comprehensive Review. <i>AAPS PharmSciTech</i> , 2019, 20, 164.	3.3	36
71	The Heterogeneity of Renal Stem Cells and Their Interaction with Bio- and Nano-materials. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1123, 195-216.	1.6	6
72	A journey through the emergence of nanomedicines with poly(alkylcyanoacrylate) based nanoparticles. <i>Journal of Drug Targeting</i> , 2019, 27, 502-524.	4.4	20
73	Nanotechnology-based Drug Delivery Products: Need, Design, Pharmacokinetics and Regulations. <i>Current Pharmaceutical Design</i> , 2019, 24, 5085-5085.	1.9	8
74	Functional Mesoporous Silica Nanocomposites: Biomedical applications and Biosafety.. <i>International Journal of Molecular Sciences</i> , 2019, 20, 929.	4.1	45

#	ARTICLE	IF	CITATIONS
75	A Safe-by-Design Strategy towards Safer Nanomaterials in Nanomedicines. <i>Advanced Materials</i> , 2019, 31, e1805391.	21.0	109
76	Smart Polymeric Nanocarriers for Drug Delivery. , 2019, , 439-479.		9
77	Minocycline and Silver Dual-Loaded Polyphosphoester-Based Nanoparticles for Treatment of Resistant <i>Pseudomonas aeruginosa</i> . <i>Molecular Pharmaceutics</i> , 2019, 16, 1606-1619.	4.6	22
78	Nanomedicines: A Potential Treatment for Blood Disorder Diseases. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 369.	4.1	9
79	Exploring the Functionalization of Polymeric Nanoparticles Based on Cyclodextrins for Tumor Cell Targeting. <i>ChemistrySelect</i> , 2019, 4, 13025-13028.	1.5	4
80	Biosynthetic Conversion of Ag ⁺ to highly Stable Ag ₀ Nanoparticles by Wild Type and Cell Wall Deficient Strains of <i>Chlamydomonas reinhardtii</i> . <i>Molecules</i> , 2019, 24, 98.	3.8	56
81	Nanocrystals: A perspective on translational research and clinical studies. <i>Bioengineering and Translational Medicine</i> , 2019, 4, 5-16.	7.1	75
82	Solid nanoparticles for oral antimicrobial drug delivery: a review. <i>Drug Discovery Today</i> , 2019, 24, 858-866.	6.4	86
83	Following nanomedicine activation with magnetic resonance imaging: why, how, and what's next?. <i>Current Opinion in Biotechnology</i> , 2019, 58, 9-18.	6.6	11
84	Externally Induced Drug Release Systems with Magnetic Nanoparticle Carriers: An Emerging Field in Nanomedicine. <i>Advanced Therapeutics</i> , 2019, 2, 1800092.	3.2	26
85	Protein drug delivery: current dosage form profile and formulation strategies. <i>Journal of Drug Targeting</i> , 2020, 28, 339-355.	4.4	29
86	Improving cancer therapy through the nanomaterials-assisted alleviation of hypoxia. <i>Biomaterials</i> , 2020, 228, 119578.	11.4	157
87	Pharmaceutical applications of electrospinning. <i>Annales Pharmaceutiques Francaises</i> , 2020, 78, 1-11.	1.0	19
88	Three-dimensional tumor models: Promoting breakthroughs in nanotheranostics translational research. <i>Applied Materials Today</i> , 2020, 19, 100552.	4.3	27
89	A glance over doxorubicin based-nanotherapeutics: From proof-of-concept studies to solutions in the market. <i>Journal of Controlled Release</i> , 2020, 317, 347-374.	9.9	53
90	Qualitative and quantitative analysis of patent data in nanomedicine for bridging the gap between research activities and practical applications. <i>World Patent Information</i> , 2020, 60, 101943.	1.7	14
91	Self-assembling as regular nanoparticles dramatically minimizes photobleaching of tumour-targeted GFP. <i>Acta Biomaterialia</i> , 2020, 103, 272-280.	8.3	13
92	Nanocrystals: Characterization Overview, Applications in Drug Delivery, and Their Toxicity Concerns. <i>Journal of Pharmaceutical Innovation</i> , 2022, 17, 237-248.	2.4	13

#	ARTICLE	IF	CITATIONS
93	Inorganic nanoparticles in clinical trials and translations. Nano Today, 2020, 35, 100972.	11.9	138
94	What Went Wrong with Anticancer Nanomedicine Design and How to Make It Right. ACS Nano, 2020, 14, 12281-12290.	14.6	140
95	Micro and nanoscale technologies in oral drug delivery. Advanced Drug Delivery Reviews, 2020, 157, 37-62.	13.7	123
96	Fast processes of nanoparticle blood clearance: Comprehensive study. Journal of Controlled Release, 2020, 326, 181-191.	9.9	46
97	Translational Nano-medicine Lab to Clinic. , 2020, , 141-162.		8
98	Characterizing and Controlling Nanoscale Self-Assembly of Suckerin-12. ACS Synthetic Biology, 2020, 9, 3388-3399.	3.8	10
99	Nanomedicines modulating tumor immunosuppressive cells to enhance cancer immunotherapy. Acta Pharmaceutica Sinica B, 2020, 10, 2054-2074.	12.0	65
100	<p>New Oral Coaxial Nanofibers for&Amp;Gadodiamide-Prospective Intestinal Magnetic Resonance Imaging&and Theranostic</p>. International Journal of Nanomedicine, 2020, Volume 15, 8933-8943.	6.7	14
101	A self-assembled polymer therapeutic for simultaneously enhancing solubility and antimicrobial activity and lowering serum albumin binding of fusidic acid. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6567-6584.	3.5	3
102	Inhaled nanoparticles&Amp;An updated review. International Journal of Pharmaceutics, 2020, 587, 119671.	5.2	51
103	Current trends, achievements, and prospects of smart nanodevices in the global pharma market. , 2020, , 351-393.		0
104	Nanopharmaceuticals: A focus on their clinical translatability. International Journal of Pharmaceutics, 2020, 578, 119098.	5.2	44
105	Self-assembly of four generations of RNA dendrimers for drug shielding with controllable layer-by-layer release. Nanoscale, 2020, 12, 16514-16525.	5.6	8
106	Commercial aspects and market potential of novel delivery systems for bioactives and biological agents. , 2020, , 595-620.		6
107	Progress, challenges, and future of nanomedicine. Nano Today, 2020, 35, 101008.	11.9	135
108	An Elucidative Review to Analytically Sieve the Viability of Nanomedicine Market. Journal of Pharmaceutical Innovation, 2020, , 1-17.	2.4	10
109	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. ACS Nano, 2020, 14, 13739-13753.	14.6	30
110	How can nanotechnology help to combat COVID-19? Opportunities and urgent need. Journal of Nanobiotechnology, 2020, 18, 125.	9.1	163

#	ARTICLE	IF	CITATIONS
111	Nano-Based Theranostic Tools for the Detection and Elimination of Senescent Cells. <i>Cells</i> , 2020, 9, 2659.	4.1	13
112	Nanobiotechnology and Its Application in Nanomedicine: An Overview. , 2020, , 3-25.		3
113	Epigenetics in Breast Cancer Therapy—New Strategies and Future Nanomedicine Perspectives. <i>Cancers</i> , 2020, 12, 3622.	3.7	36
114	Nanomaterials with active targeting as advanced antimicrobials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1636.	6.1	29
115	New strategies and targets for antibacterial discovery. , 2020, , 249-272.		2
116	Nanomedicine to target multidrug resistant tumors. <i>Drug Resistance Updates</i> , 2020, 52, 100704.	14.4	73
117	Nanoparticles based on natural, engineered or synthetic proteins and polypeptides for drug delivery applications. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119537.	5.2	19
118	Nanotechnology: A Promising Approach for Delivery of Neuroprotective Drugs. <i>Frontiers in Neuroscience</i> , 2020, 14, 494.	2.8	156
119	Novel Tamoxifen Nanoformulations for Improving Breast Cancer Treatment: Old Wine in New Bottles. <i>Molecules</i> , 2020, 25, 1182.	3.8	41
120	Advances and challenges in nanocarriers and nanomedicines for veterinary application. <i>International Journal of Pharmaceutics</i> , 2020, 580, 119214.	5.2	31
121	Mitochondria-targeted drug delivery in neurodegenerative diseases. , 2020, , 97-117.		4
122	Therapeutic Applications of Curcumin Nanomedicine Formulations in Cardiovascular Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 746.	2.4	57
123	Analysis of the susceptibility to COVID-19 in pregnancy and recommendations on potential drug screening. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020, 39, 1209-1220.	2.9	110
124	<p>Size-Dependent Interactions of Lipid-Coated Gold Nanoparticles: Developing a Better Mechanistic Understanding Through Model Cell Membranes and in vivo Toxicity<p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4091-4104.	6.7	31
125	Ciprofloxacin-loaded polymeric nanoparticles incorporated electrospun fibers for drug delivery in tissue engineering applications. <i>Drug Delivery and Translational Research</i> , 2020, 10, 706-720.	5.8	67
126	Nanoscale Self-Assembly for Therapeutic Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 127.	4.1	170
127	Nanocarriers for the Delivery of Medical, Veterinary, and Agricultural Active Ingredients. <i>ACS Nano</i> , 2020, 14, 2678-2701.	14.6	113
128	Recent advances in nanotechnology-based drug delivery systems for the kidney. <i>Journal of Controlled Release</i> , 2020, 321, 442-462.	9.9	110

#	ARTICLE	IF	CITATIONS
129	Pluronic Polymer-Based Ormeloxifene Nanoformulations Induce Superior Anticancer Effects in Pancreatic Cancer Cells. <i>ACS Omega</i> , 2020, 5, 1147-1156.	3.5	4
130	Lycopene used as Anti-inflammatory Nanodrug for the Treatment of Rheumatoid Arthritis: Animal assay, Pharmacokinetics, ABC Transporter and Tissue Deposition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110814.	5.0	23
131	The effects of functionalization of carbon nanotubes on toxicological parameters in mice. <i>Human and Experimental Toxicology</i> , 2020, 39, 1147-1167.	2.2	30
132	Realizing Cancer Precision Medicine by Integrating Systems Biology and Nanomaterial Engineering. <i>Advanced Materials</i> , 2020, 32, e1906783.	21.0	21
133	Nanomedicine advances in cancer therapy. , 2020, , 219-253.		16
134	<p>Novel Clove Essential Oil Nanoemulgel Tailored by Taguchiâ€™s Model and Scaffold-Based Nanofibers: Phytopharmaceuticals with Promising Potential as Cyclooxygenase-2 Inhibitors in External Inflammation</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2171-2195.	6.7	26
135	Preclinical Evaluation of a Cabazitaxel Prodrug Using Nanoparticle Delivery for the Treatment of Taxane-Resistant Malignancies. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 822-834.	4.1	50
136	Harnessing the Formation of Natural Killerâ€™Tumor Cell Immunological Synapses for Enhanced Therapeutic Effect in Solid Tumors. <i>Advanced Materials</i> , 2020, 32, e2000020.	21.0	29
137	Breast cancer nanomedicine market update and other industrial perspectives of nanomedicine. , 2020, , 371-404.		6
138	Safety Assessment of Nanomaterials for Antimicrobial Applications. <i>Chemical Research in Toxicology</i> , 2020, 33, 1082-1109.	3.3	33
139	Tumor Targeted Nanocarriers for Immunotherapy. <i>Molecules</i> , 2020, 25, 1508.	3.8	26
140	Trends of nanotechnology in type 2 diabetes mellitus treatment. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021, 16, 62-76.	9.1	44
141	Nanotechnology-based drug delivery systems for the improved sensitization of tamoxifen. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102229.	3.0	5
142	Engineering precision nanoparticles for drug delivery. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 101-124.	46.4	3,154
143	Development of lipid nanoparticles containing the xanthone LEM2 for topical treatment of melanoma. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102226.	3.0	15
144	Nanotools for Sepsis Diagnosis and Treatment. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001378.	7.6	53
145	Nanomaterial-based therapeutics for antibiotic-resistant bacterial infections. <i>Nature Reviews Microbiology</i> , 2021, 19, 23-36.	28.6	617
146	Natural product-based nanoformulations for cancer therapy: Opportunities and challenges. <i>Seminars in Cancer Biology</i> , 2021, 69, 5-23.	9.6	241

#	ARTICLE	IF	CITATIONS
147	Ancient Evolutionary Origin and Properties of Universally Produced Natural Exosomes Contribute to Their Therapeutic Superiority Compared to Artificial Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1429.	4.1	18
148	Regulatory, safety, and toxicological concerns of nanomaterials with their manufacturing issues. , 2021, , 93-115.		0
149	An overview of polymeric nanomicelles in clinical trials and on the market. <i>Chinese Chemical Letters</i> , 2021, 32, 243-257.	9.0	69
150	Protein-based nanomedicines as anticancer drug delivery platforms. , 2021, , 153-169.		2
151	Advanced drug delivery applications of self-assembled nanostructures and polymeric nanoparticles. , 2021, , 297-339.		2
152	Designing Nanoparticle-based Drug Delivery Systems for Precision Medicine. <i>International Journal of Medical Sciences</i> , 2021, 18, 2943-2949.	2.5	24
153	A Full Set of In Vitro Assays in Chitosan/Tween 80 Microspheres Loaded with Magnetite Nanoparticles. <i>Polymers</i> , 2021, 13, 400.	4.5	9
154	Review of Contemporary Self-Assembled Systems for the Controlled Delivery of Therapeutics in Medicine. <i>Nanomaterials</i> , 2021, 11, 278.	4.1	43
155	Nanotechnology for Diagnosis, Imaging, and Treatment of Head and Neck Cancer. , 2021, , 63-120.		1
156	Regulatory perspectives of nanomedicines for cancer treatment. , 2021, , 29-49.		0
157	Delivery of Drug Payloads to Organs and Organ-Systems. <i>Nanotechnology in the Life Sciences</i> , 2021, , 199-224.	0.6	1
158	Advances in delivery of nanomedicines and theranostics for targeting breast cancer. , 2021, , 387-407.		1
159	Balancing the stability and drug activation in adaptive nanoparticles potentiates chemotherapy in multidrug-resistant cancer. <i>Theranostics</i> , 2021, 11, 4137-4154.	10.0	9
160	3D Printing and Nanotechnology: A Multiscale Alliance in Personalized Medicine. <i>Advanced Functional Materials</i> , 2021, 31, 2009691.	14.9	58
161	Nanomedicines accessible in the market for clinical interventions. <i>Journal of Controlled Release</i> , 2021, 330, 372-397.	9.9	111
162	Advances in Multiple Stimuli-Responsive Drug-Delivery Systems for Cancer Therapy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1525-1551.	6.7	53
163	Biocompatibility of nanomaterials and their immunological properties. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042005.	3.3	54
164	Tuning the efficacy of esterase-activatable prodrug nanoparticles for the treatment of colorectal malignancies. <i>Biomaterials</i> , 2021, 270, 120705.	11.4	45

#	ARTICLE	IF	CITATIONS
165	Rational nanocarrier design towards clinical translation of cancer nanotherapy. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 032005.	3.3	14
166	Surfactants, Nanomedicines and Nanocarriers: A Critical Evaluation on Clinical Trials. <i>Pharmaceutics</i> , 2021, 13, 381.	4.5	7
167	Nanotechnology based solutions for anti-leishmanial impediments: a detailed insight. <i>Journal of Nanobiotechnology</i> , 2021, 19, 106.	9.1	32
168	Exploration and insights into the cellular internalization and intracellular fate of amphiphilic polymeric nanocarriers. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 903-924.	12.0	83
169	MXenes for Cancer Therapy and Diagnosis: Recent Advances and Current Challenges. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1900-1913.	5.2	84
170	Onco-Receptors Targeting in Lung Cancer via Application of Surface-Modified and Hybrid Nanoparticles: A Cross-Disciplinary Review. <i>Processes</i> , 2021, 9, 621.	2.8	26
171	Nanomedicine in cancer therapy: promises and hurdles of polymeric nanoparticles. <i>Exploration of Medicine</i> , 0, , .	1.5	4
172	Nanoparticle-mediated convection-enhanced delivery of a DNA intercalator to gliomas circumvents temozolomide resistance. <i>Nature Biomedical Engineering</i> , 2021, 5, 1048-1058.	22.5	96
173	Toxic effects of nanomaterials for health applications: How automation can support a systematic review of the literature?. <i>Journal of Applied Toxicology</i> , 2022, 42, 41-51.	2.8	6
174	Nanoparticle delivery system, highly active antiretroviral therapy, and testicular morphology: The role of stereology. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00776.	2.4	12
175	Lignin, lipid, protein, hyaluronic acid, starch, cellulose, gum, pectin, alginate and chitosan-based nanomaterials for cancer nanotherapy: Challenges and opportunities. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 193-228.	7.5	51
176	Cell/Bacteria-Based Bioactive Materials for Cancer Immune Modulation and Precision Therapy. <i>Advanced Materials</i> , 2021, 33, e2100241.	21.0	46
177	Nanotechnology as a Shield against COVID-19: Current Advancement and Limitations. <i>Viruses</i> , 2021, 13, 1224.	3.3	42
178	Stimuli-Responsive Polymeric Nanoplatforms for Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 707319.	4.1	53
179	Orally Administrable Therapeutic Nanoparticles for the Treatment of Colorectal Cancer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 670124.	4.1	14
180	Optimizing nanoparticle design and surface modification toward clinical translation. <i>MRS Bulletin</i> , 2021, 46, 643-649.	3.5	5
181	Current hurdles to the translation of nanomedicines from bench to the clinic. <i>Drug Delivery and Translational Research</i> , 2022, 12, 500-525.	5.8	92
182	Bio-acceptable 0D and 1D ZnO nanostructures for cancer diagnostics and treatment. <i>Materials Today</i> , 2021, 50, 533-569.	14.2	95

#	ARTICLE	IF	CITATIONS
183	Acute Generalized Exanthematous Pustulosis Induced by Cetuximab. <i>Cureus</i> , 2021, 13, e17309.	0.5	3
184	Metal-based nanoparticles: Promising tools for the management of cardiovascular diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102433.	3.3	24
185	Novel nanomedicines to overcome cancer multidrug resistance. <i>Drug Resistance Updates</i> , 2021, 58, 100777.	14.4	93
186	Current status of nanoscale drug delivery and the future of nano-vaccine development for leishmaniasis – A review. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111920.	5.6	27
187	Emerging nanotechnology role in the development of innovative solutions against COVID-19 pandemic. <i>Nanotechnology</i> , 2021, 32, 482001.	2.6	6
188	Impact of Nano-Bromocriptine on Egg Production Performance and Prolactin Expression in Layers. <i>Animals</i> , 2021, 11, 2842.	2.3	1
189	Challenges and solutions in polymer drug delivery for bacterial biofilm treatment: A tissue-by-tissue account. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113973.	13.7	36
190	Clinical translation status of nanoformulations. , 2021, , 303-338.		5
191	Nanoscopy for endosomal escape quantification. <i>Nanoscale Advances</i> , 2021, 3, 10-23.	4.6	24
192	Recent progress of magnetic nanoparticles in biomedical applications: A review. <i>Nano Select</i> , 2021, 2, 1146-1186.	3.7	137
193	Doxorubicin Hydrochloride-Loaded Nonionic Surfactant Vesicles to Treat Metastatic and Non-Metastatic Breast Cancer. <i>ACS Omega</i> , 2021, 6, 2973-2989.	3.5	30
194	Nanomedicine: Diagnosis, Treatment, and Potential Prospects. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 297-331.	0.5	6
195	Nanocarriers as Tools for Delivery of Nature Derived Compounds and Extracts with Therapeutic Activity. <i>Sustainable Agriculture Reviews</i> , 2020, , 73-114.	1.1	1
196	Nanoparticles as New Emerging Antibacterials: Potentials and Limitations. , 2019, , 561-579.		4
197	Upscaling and GMP production of pharmaceutical drug delivery systems. , 2020, , 215-229.		5
198	Nanotechnology: Revolutionizing the Science of Drug Delivery. <i>Current Pharmaceutical Design</i> , 2019, 24, 5086-5107.	1.9	22
199	Nanoantibiotics: A Novel Rational Approach to Antibiotic Resistant Infections. <i>Current Drug Metabolism</i> , 2019, 20, 720-741.	1.2	16
200	Cancer Nanotechnology-An Excursion on Drug Delivery Systems. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 18, 2078-2092.	1.7	10

#	ARTICLE	IF	CITATIONS
223	Wound Healing Activities and Potential of Selected African Medicinal Plants and Their Synthesized Biogenic Nanoparticles. <i>Plants</i> , 2021, 10, 2635.	3.5	19
224	Development of Pharmaceutical Nanomedicines: From the Bench to the Market. <i>Pharmaceutics</i> , 2022, 14, 106.	4.5	109
225	Medicinal cannabis pharmacokinetics and potential methods of delivery. <i>Pharmaceutical Development and Technology</i> , 2022, 27, 202-214.	2.4	6
226	Towards principled design of cancer nanomedicine to accelerate clinical translation. <i>Materials Today Bio</i> , 2022, 13, 100208.	5.5	47
227	Recent advances in developing polymeric micelles for treating cancer: Breakthroughs and bottlenecks in their clinical translation. <i>Drug Discovery Today</i> , 2022, 27, 1495-1512.	6.4	41
228	Recent advances on next generation of polyzwitterion-based nano-vectors for targeted drug delivery. <i>Journal of Controlled Release</i> , 2022, 343, 492-505.	9.9	18
229	The Potential of Drug Delivery Nanosystems for Sepsis Treatment. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 7065-7077.	3.5	9
230	How nano-engineered delivery systems can help marketed and repurposed drugs in Alzheimer's disease treatment?. <i>Drug Discovery Today</i> , 2022, 27, 1575-1589.	6.4	8
231	Inorganic-Organic Synergy in Nano-hybrids makes a New Class of Drug with Targeted Delivery: Glutamate Functionalization of Iron Nanoparticles for Potential Bone Marrow Delivery and X-ray Dynamic Therapy. <i>Current Drug Delivery</i> , 2022, 19, .	1.6	0
232	Nanotechnology and COVID-19: quo vadis?. <i>Journal of Nanoparticle Research</i> , 2022, 24, 62.	1.9	6
233	Rational Fabrication of Folate-Conjugated Zein/Soy Lecithin/Carboxymethyl Chitosan Core-Shell Nanoparticles for Delivery of Docetaxel. <i>ACS Omega</i> , 2022, 7, 13371-13381.	3.5	7
234	Selective Delivery of Clinically Approved Tubulin Binding Agents through Covalent Conjugation to an Active Targeting Moiety. <i>Current Medicinal Chemistry</i> , 2022, 29, 5179-5211.	2.4	1
235	Critical clinical gaps in cancer precision nanomedicine development. <i>Journal of Controlled Release</i> , 2022, 345, 811-818.	9.9	13
237	Potential of nanoparticles and nanopolymers in treatment of age-associated diseases. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021, 12, 045008.	1.5	0
238	Quantitative Evaluation of Dendritic Nanoparticles in Mice: Biodistribution Dynamics and Downstream Tumor Efficacy Outcomes. <i>Molecular Pharmaceutics</i> , 2022, 19, 172-187.	4.6	0
239	Nanocarrier Drug Delivery Systems: Characterization, Limitations, Future Perspectives and Implementation of Artificial Intelligence. <i>Pharmaceutics</i> , 2022, 14, 883.	4.5	59
240	Emerging Nanotherapeutic Approaches to Overcome Drug Resistance in Cancers with Update on Clinical Trials. <i>Pharmaceutics</i> , 2022, 14, 866.	4.5	17
241	A Comprehensive Review on the Therapeutic Potential of <i>Curcuma longa</i> Linn. in Relation to its Major Active Constituent Curcumin. <i>Frontiers in Pharmacology</i> , 2022, 13, 820806.	3.5	88

#	ARTICLE	IF	CITATIONS
242	Phytonanofomulations for hepatocellular carcinoma therapy. , 2022, , 197-213.		0
243	Smart Advancements for Targeting Solid Tumors via Protein and Peptide Drug Delivery (PPD). Current Drug Delivery, 2023, 20, 669-682.	1.6	2
244	Advances in designing of polymeric micelles for biomedical application in brain related diseases. Chemico-Biological Interactions, 2022, 361, 109960.	4.0	21
246	Advances of MXenes; Perspectives on Biomedical Research. Biosensors, 2022, 12, 454.	4.7	22
247	Lipid-Based Nanomaterials in Cancer Treatment and Diagnosis. , 2022, , 49-83.		0
248	Where Is Nano Today and Where Is It Headed? A Review of Nanomedicine and the Dilemma of Nanotoxicology. ACS Nano, 2022, 16, 9994-10041.	14.6	62
251	Cancer nanomedicine: A step towards improving the drug delivery and enhanced efficacy of chemotherapeutic drugs. OpenNano, 2022, 7, 100051.	4.8	7
252	Nanotheranostics and its role in diagnosis, treatment and prevention of COVID-19. Frontiers of Materials Science, 2022, 16, .	2.2	4
253	Bioactive Effects of Curcumin in Human Immunodeficiency Virus Infection Along with the Most Effective Isolation Techniques and Type of Nanoformulations. International Journal of Nanomedicine, 0, Volume 17, 3619-3632.	6.7	20
254	Strategies and progresses for enhancing targeted antibiotic delivery. Advanced Drug Delivery Reviews, 2022, 189, 114502.	13.7	25
255	Nanotherapies from an oncologist doctor's view. Smart Materials in Medicine, 2023, 4, 183-198.	6.7	1
256	The evolving regulatory landscape in regenerative medicine. Molecular Aspects of Medicine, 2023, 91, 101138.	6.4	7
257	Amalgamation of Nanoparticles within Drug Carriers: A Synergistic Approach or a Futile Attempt?. Pharmaceutical Nanotechnology, 2022, 10, 354-367.	1.5	0
258	Sustained Drug Release from Smart Nanoparticles in Cancer Therapy: A Comprehensive Review. Micromachines, 2022, 13, 1623.	2.9	23
259	Immunocyteâ€Derived Nanodrugs for Cancer Therapy. Advanced Functional Materials, 2022, 32, .	14.9	5
260	The translational paradigm of nanobiomaterials: Biological chemistry to modern applications. Materials Today Bio, 2022, 17, 100463.	5.5	18
262	Nanodelivery of antiretroviral drugs to nervous tissues. Frontiers in Pharmacology, 0, 13, .	3.5	2
263	Hydrogel Microtumor Arrays to Evaluate Nanotherapeutics. Advanced Healthcare Materials, 2023, 12, .	7.6	1

#	ARTICLE	IF	CITATIONS
264	Recent nanoengineered diagnostic and therapeutic advancements in management of Sepsis. <i>Journal of Controlled Release</i> , 2022, 352, 931-945.	9.9	6
265	Nanotechnology as a tool to overcome macromolecules delivery issues. <i>Colloids and Surfaces B: Biointerfaces</i> , 2023, 222, 113043.	5.0	11
266	Glutathione-Responsive Nanoparticles of Camptothecin Prodrug for Cancer Therapy. <i>Advanced Science</i> , 2023, 10, .	11.2	16
267	Nanomedicine-based commercial formulations: current developments and future prospects. <i>Journal of Pharmaceutical Investigation</i> , 2023, 53, 19-33.	5.3	40
268	Bacteria-based bioactive materials for cancer imaging and therapy. <i>Advanced Drug Delivery Reviews</i> , 2023, 193, 114696.	13.7	10
269	Biogenic Selenium Nanoparticles in Biomedical Sciences: Properties, Current Trends, Novel Opportunities and Emerging Challenges in Theranostic Nanomedicine. <i>Nanomaterials</i> , 2023, 13, 424.	4.1	24
270	Oral liposomal delivery of an activatable budesonide prodrug reduces colitis in experimental mice. <i>Drug Delivery</i> , 2023, 30, .	5.7	5
271	Tumor Microenvironment Regulation and Cancer Targeting Therapy Based on Nanoparticles. <i>Journal of Functional Biomaterials</i> , 2023, 14, 136.	4.4	1
272	Cancer Drug Products Containing Nano-materials: Key Regulatory Issues. , 2023, , 349-381.		0
273	Lysosomal nanotoxicity: Impact of nanomedicines on lysosomal function. <i>Advanced Drug Delivery Reviews</i> , 2023, 197, 114828.	13.7	7
274	Mitochondria-Targeted Liposomal Delivery in Parkinson's Disease. , 2023, , 657-669.		0
275	ROS Generative Black Phosphorus-Tamoxifen Nanosheets for Targeted Endocrine-Sonodynamic Synergistic Breast Cancer Therapy. <i>International Journal of Nanomedicine</i> , 0, Volume 18, 2389-2409.	6.7	1
276	An Up-to-date Review on Protein-based Nanocarriers in the Management of Cancer. <i>Current Drug Delivery</i> , 2023, 20, .	1.6	0
277	Breast tumor-targeted drug delivery via polymer nanocarriers: Endogenous and exogenous strategies. <i>Journal of Applied Polymer Science</i> , 2023, 140, .	2.6	0
278	Cellular Uptake Mechanism of Nucleic Acid Nanocapsules and Their DNA-Surfactant Building Blocks. <i>Bioconjugate Chemistry</i> , 2023, 34, 1004-1013.	3.6	1
279	Smart Nanocarrier-Based Cancer Therapeutics. <i>Cancer Treatment and Research</i> , 2023, , 207-235.	0.5	0
280	Sonoporation-assisted micelle delivery in subcutaneous glioma-bearing mice evaluated by PET/fluorescent bi-modal imaging. <i>Nanoscale</i> , 2023, 15, 12574-12585.	5.6	1
281	Targeted breast cancer treatment: progress and challenges. , 2023, , 145-172.		0

#	ARTICLE	IF	CITATIONS
282	Physalis Mottle Virus-Like Nanocarriers with Expanded Internal Loading Capacity. <i>Bioconjugate Chemistry</i> , 0, , .	3.6	2
283	Gd/hafnium oxide@gold@chitosan core-shell nanoparticles as a platform for multimodal theranostics in oncology research. <i>Chemical Communications</i> , 2023, 59, 11819-11822.	4.1	1
284	Exploring the Potential of Nanogels: From Drug Carriers to Radiopharmaceutical Agents. <i>Advanced Healthcare Materials</i> , 2024, 13, .	7.6	0
285	An overview of nanoparticles in drug delivery: Properties and applications. <i>South African Journal of Chemical Engineering</i> , 2023, 46, 233-270.	2.4	5
287	Assessment of nanotoxicology through in vitro techniques and image-based assays. , 2024, , 311-340.		0
288	Lipid polymer hybrid nanoparticles as potent vehicles for drug delivery in cancer therapeutics. <i>Medicine in Drug Discovery</i> , 2023, 20, 100165.	4.5	2
289	Multifunctional Nanoparticles and Nanoclusters as a Theranostics and Symptoms Disappearing Agent for Traumatic Brain Injury. <i>Advanced NanoBiomed Research</i> , 2023, 3, .	3.6	0
290	Nanotherapeutic Heterogeneity: Sources, Effects, and Solutions. <i>Small</i> , 0, , .	10.0	2
291	Development of solid lipid nanoparticles-loaded drugs in parasitic diseases. , 2024, 19, .		0
292	Recent Advancements in the Application of Nanomaterial in Modern Drug Delivery and Future Perspective. <i>Environmental Science and Engineering</i> , 2024, , 319-351.	0.2	0
293	Strategies for the Nuclear Delivery of Metal Complexes to Cancer Cells. <i>Advanced Materials</i> , 2024, 36, .	21.0	0
294	Nanotherapeutics for the delivery of antifungal drugs. <i>Therapeutic Delivery</i> , 2024, 15, 55-76.	2.2	0
295	Nanocarriers-Based Products in the Market, FDA Approval, Commercialization of Nanocarriers, and Global Market. , 2023, , 137-148.		0
296	Targeted nanotechnology-based formulations. , 2024, , 347-359.		0
297	Exosomes-based nanomedicines for cancer immunotherapy. , 2024, , 175-205.		0
298	Nanocarriers address intracellular barriers for efficient drug delivery, overcoming drug resistance, subcellular targeting and controlled release. <i>Advanced Drug Delivery Reviews</i> , 2024, 207, 115239.	13.7	0
299	Antimicrobials: An update on new strategies to diversify treatment for bacterial infections. <i>Advances in Microbial Physiology</i> , 2024, , .	2.4	0