

# Thomas J Webster

## List of Publications by Year in descending order

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294  
papers

13,784  
citations

26567

56  
h-index

29081

104  
g-index

308  
all docs

308  
docs citations

308  
times ranked

19170  
citing authors



#	ARTICLE	IF	CITATIONS
19	Increased osteoblast functions in the presence of hydroxyapatite-coated iron oxide nanoparticles. <i>Acta Biomaterialia</i> , 2011, 7, 1298-1306.	4.1	126
20	<i>Pseudomonas aeruginosa</i> : arsenal of resistance mechanisms, decades of changing resistance profiles, and future antimicrobial therapies. <i>Future Microbiology</i> , 2015, 10, 1683-1706.	1.0	125
21	Three-Dimensional Graphene Foams: Synthesis, Properties, Biocompatibility, Biodegradability, and Applications in Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 193-214.	2.6	121
22	Naked Selenium Nanoparticles for Antibacterial and Anticancer Treatments. <i>ACS Omega</i> , 2020, 5, 2660-2669.	1.6	121
23	Surface engineered polymeric nanocarriers mediate the delivery of transferrin-methotrexate conjugates for an improved understanding of brain cancer. <i>Acta Biomaterialia</i> , 2015, 24, 140-151.	4.1	120
24	Applications of Inorganic Nanomaterials in Photothermal Therapy Based on Combinational Cancer Treatment. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1903-1914.	3.3	115
25	Synthesis and characterization of biogenic selenium nanoparticles with antimicrobial properties made by <i>Staphylococcus aureus</i> , methicillin-resistant <i>Staphylococcus aureus</i> (MRSA), <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1400-1412.	2.1	110
26	pH-Controlled Cerium Oxide Nanoparticle Inhibition of Both Gram-Positive and Gram-Negative Bacteria Growth. <i>Scientific Reports</i> , 2017, 7, 45859.	1.6	109
27	Shape-dependent antibacterial effects of non-cytotoxic gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2457-2468.	3.3	108
28	pH-Dependent Activity of Dextran-Coated Cerium Oxide Nanoparticles on Prohibiting Osteosarcoma Cell Proliferation. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1096-1103.	2.6	107
29	Emerging Trends in Micro- and Nanoscale Technologies in Medicine: From Basic Discoveries to Translation. <i>ACS Nano</i> , 2017, 11, 5195-5214.	7.3	104
30	Engineering Adhesive and Antimicrobial Hyaluronic Acid/Elastin-like Polypeptide Hybrid Hydrogels for Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2528-2540.	2.6	102
31	Starch-mediated synthesis of mono- and bimetallic silver/gold nanoparticles as antimicrobial and anticancer agents. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2171-2190.	3.3	99
32	Advancements in the oral delivery of Docetaxel: challenges, current state-of-the-art and future trends. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3145-3161.	3.3	95
33	Characterization and study of the antibacterial mechanisms of silver nanoparticles prepared with microalgal exopolysaccharides. <i>Materials Science and Engineering C</i> , 2019, 99, 685-695.	3.8	83
34	Green Synthesis of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Stabilized by a <i>Garcinia mangostana</i> Fruit Peel Extract for Hyperthermia and Anticancer Activities. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2515-2532.	3.3	83
35	A novel near-infrared light responsive 4D printed nanoarchitecture with dynamically and remotely controllable transformation. <i>Nano Research</i> , 2019, 12, 1381-1388.	5.8	82
36	Nanotechnology controlled drug delivery for treating bone diseases. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 851-864.	2.4	81

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37	&lt;p&gt;Biodegradable Nanopolymers in Cardiac Tissue Engineering: From Concept Towards Nanomedicine&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 4205-4224.	3.3	80
38	Antimicrobial Double-Layer Wound Dressing Based on Chitosan/Polyvinyl Alcohol/Copper: In vitro and in vivo Assessment. International Journal of Nanomedicine, 2021, Volume 16, 223-235.	3.3	79
39	3D Bioprinting in Tissue Engineering for Medical Applications: The Classic and the Hybrid. Polymers, 2020, 12, 1717.	2.0	76
40	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. JPhys Materials, 2020, 3, 034005.	1.8	76
41	&lt;p&gt;Burgeoning Polymer Nano Blends for Improved Controlled Drug Release: A Review&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 4363-4392.	3.3	76
42	Glioma-targeted dual functionalized thermosensitive Ferri-liposomes for drug delivery through an <i>in vitro</i> bloodâ€“brain barrier. Nanoscale, 2019, 11, 15057-15071.	2.8	75
43	Orthopedic implant biomaterials with both osteogenic and anti-infection capacities and associated in vivo evaluation methods. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 123-142.	1.7	73
44	Electrospun Nanofibers for Improved Angiogenesis: Promises for Tissue Engineering Applications. Nanomaterials, 2020, 10, 1609.	1.9	73
45	Intracellular disposition of chitosan nanoparticles in macrophages: intracellular uptake, exocytosis, and intercellular transport. International Journal of Nanomedicine, 2017, Volume 12, 6383-6398.	3.3	72
46	&lt;p&gt;CTGF Loaded Electrospun Dual Porous Core-Shell Membrane For Diabetic Wound Healing&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 8573-8588.	3.3	70
47	&lt;p&gt;Selenium nanoparticles as anti-infective implant coatings for trauma orthopedics against methicillin-resistant &lt;em>Staphylococcus aureus</em> and &lt;em>epidermidis</em>; in vitro and in vivo assessment&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 4613-4624.	3.3	67
48	Doxorubicin-loaded poly (lactic-co-glycolic acid) nanoparticles coated with chitosan/alginate by layer by layer technology for antitumor applications. International Journal of Nanomedicine, 2017, Volume 12, 1791-1802.	3.3	66
49	The comparative effect of wrapping solid gold nanoparticles and hollow gold nanoparticles with doxorubicin-loaded thermosensitive liposomes for cancer thermo-chemotherapy. Nanoscale, 2018, 10, 8628-8641.	2.8	66
50	Selenium nanoparticles incorporated into titania nanotubes inhibit bacterial growth and macrophage proliferation. Nanoscale, 2016, 8, 15783-15794.	2.8	65
51	Nanofibrous scaffolds for biomedical applications. Nanoscale, 2018, 10, 12228-12255.	2.8	65
52	Recent advances in mesenchymal stem cell membrane-coated nanoparticles for enhanced drug delivery. Biomaterials Science, 2021, 9, 1088-1103.	2.6	64
53	Galactosylated chitosan triptolide nanoparticles for overcoming hepatocellular carcinoma: Enhanced therapeutic efficacy, low toxicity, and validated network regulatory mechanisms. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 15, 86-97.	1.7	63
54	Electrospun ultrathin PBAT/nHAp fibers influenced the in vitro and in vivo osteogenesis and improved the mechanical properties of neofomed bone. Colloids and Surfaces B: Biointerfaces, 2017, 155, 544-552.	2.5	61

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55	Polymeric Nanoparticles for Nasal Drug Delivery to the Brain: Relevance to Alzheimer's Disease. <i>Advanced Therapeutics</i> , 2021, 4, 2000076.	1.6	61
56	Potential immuno-nanomedicine strategies to fight COVID-19 like pulmonary infections. <i>Nano Today</i> , 2021, 36, 101051.	6.2	61
57	Citric juice-mediated synthesis of tellurium nanoparticles with antimicrobial and anticancer properties. <i>Green Chemistry</i> , 2019, 21, 1982-1998.	4.6	60
58	Fabrication of Polymeric Microparticles by Electrospray: The Impact of Experimental Parameters. <i>Journal of Functional Biomaterials</i> , 2020, 11, 4.	1.8	60
59	Versatile redox-sensitive pullulan nanoparticles for enhanced liver targeting and efficient cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1005-1017.	1.7	59
60	Noninvasive nanoparticle strategies for brain tumor targeting. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2605-2621.	1.7	57
61	A Status Report on FDA Approval of Medical Devices Containing Nanostructured Materials. <i>Trends in Biotechnology</i> , 2019, 37, 117-120.	4.9	57
62	Three-Dimensional Printing Biologically Inspired DNA-Based Gradient Scaffolds for Cartilage Tissue Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33219-33228.	4.0	57
63	Nanotechnology and Nanomaterials for Improving Neural Interfaces. <i>Advanced Functional Materials</i> , 2018, 28, 1700905.	7.8	56
64	The Use of Infrapatellar Fat Pad-Derived Mesenchymal Stem Cells in Articular Cartilage Regeneration: A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9215.	1.8	56
65	Short communication: selective cytotoxicity of curcumin on osteosarcoma cells compared to healthy osteoblasts. <i>International Journal of Nanomedicine</i> , 2014, 9, 461.	3.3	54
66	In vitro and ex vivo systems at the forefront of infection modeling and drug discovery. <i>Biomaterials</i> , 2019, 198, 228-249.	5.7	54
67	Osteoblast responses to injectable bone substitutes of kappa-carrageenan and nano hydroxyapatite. <i>Acta Biomaterialia</i> , 2019, 83, 425-434.	4.1	54
68	Enhanced Antibacterial Properties of Self-Assembling Peptide Amphiphiles Functionalized with Heparin-Binding Cardin-Motifs. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 22350-22360.	4.0	53
69	Redox-responsive micelles from disulfide bond-bridged hyaluronic acid-tocopherol succinate for the treatment of melanoma. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 713-723.	1.7	53
70	Electroconductive Nanobiomaterials for Tissue Engineering and Regenerative Medicine. <i>Bioelectricity</i> , 2020, 2, 120-149.	0.6	53
71	&lt;p&gt;Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3577-3595.	3.3	52
72	Synthesis, characterization, controlled release, and antibacterial studies of a novel streptomycin chitosan magnetic nanoantibiotic. <i>International Journal of Nanomedicine</i> , 2014, 9, 549.	3.3	50

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73	Nanostructured poly (lactic acid) electrospun fiber with high loadings of TiO <sub>2</sub> nanoparticles: Insights into bactericidal activity and cell viability. <i>Materials Science and Engineering C</i> , 2017, 71, 381-385.	3.8	50
74	Preparation and characterization of nimodipine-loaded nanostructured lipid systems for enhanced solubility and bioavailability. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 119-133.	3.3	50
75	&lt;p&gt;Cetuximab-Coated Thermo-Sensitive Liposomes Loaded with Magnetic Nanoparticles and Doxorubicin for Targeted EGFR-Expressing Breast Cancer Combined Therapy&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8201-8215.	3.3	50
76	The Role of Nanomedicine in Growing Tissues. <i>Annals of Biomedical Engineering</i> , 2009, 37, 2034-2047.	1.3	49
77	&lt;p&gt;Dual targeting curcumin loaded alendronate-hyaluronan- octadecanoic acid micelles for improving osteosarcoma therapy&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6425-6437.	3.3	49
78	3D Printed scaffolds with hierarchical biomimetic structure for osteochondral regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 19, 58-70.	1.7	49
79	The effect of chrysin&quot;curcumin-loaded nanofibres on the wound-healing process in male rats. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 1642-1652.	1.9	49
80	Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102143.	1.7	47
81	CAR-T cells: Early successes in blood cancer and challenges in solid tumors. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1129-1147.	5.7	47
82	Antimicrobial and Controlled Release Studies of a Novel Nystatin Conjugated Iron Oxide Nanocomposite. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	46
83	Azithromycin-loaded respirable microparticles for targeted pulmonary delivery for the treatment of pneumonia. <i>Biomaterials</i> , 2018, 160, 107-123.	5.7	46
84	&lt;p&gt;Green Synthesis of Zeolite/Fe&lt;sub&gt;2&lt;/sub&gt;O&lt;sub&gt;3&lt;/sub&gt; Nanocomposites: Toxicity & Cell Proliferation Assays and Application as a Smart Iron Nanofertilizer&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1005-1020.	3.3	46
85	Ubiquitin&quot;proteasome system and the role of its inhibitors in cancer therapy. <i>Open Biology</i> , 2021, 11, 200390.	1.5	46
86	Reduced immune cell responses on nano and submicron rough titanium. <i>Acta Biomaterialia</i> , 2015, 16, 223-231.	4.1	45
87	Hydrothermal treatment of etched titanium: A potential surface nano-modification technique for enhanced biocompatibility. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 20, 102016.	1.7	44
88	&lt;p&gt;ROS-Responsive Chitosan Coated Magnetic Iron Oxide Nanoparticles as Potential Vehicles for Targeted Drug Delivery in Cancer Therapy&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3333-3346.	3.3	43
89	PDLLA honeycomb-like scaffolds with a high loading of superhydrophilic graphene/multi-walled carbon nanotubes promote osteoblast in vitro functions and guided in vivo bone regeneration. <i>Materials Science and Engineering C</i> , 2017, 73, 31-39.	3.8	42
90	Nanotechnology and picotechnology. , 2019, , 191-212.		41

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91	Antimicrobial Peptide-Functionalized Mesoporous Hydrogels. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1693-1702.	2.6	41
92	In situ printing of scaffolds for reconstruction of bone defects. <i>Acta Biomaterialia</i> , 2021, 127, 313-326.	4.1	41
93	Complete ablation of tumors using synchronous chemoradiation with bimetallic theranostic nanoparticles. <i>Bioactive Materials</i> , 2022, 7, 74-84.	8.6	41
94	Optimizing stem cell functions and antibacterial properties of TiO <sub>2</sub> nanotubes incorporated with ZnO nanoparticles: experiments and modeling. <i>International Journal of Nanomedicine</i> , 2015, 10, 1997.	3.3	40
95	Killing malignant melanoma cells with protoporphyrin IX-loaded polymersome-mediated photodynamic therapy and cold atmospheric plasma. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4117-4127.	3.3	40
96	Status of Plant Protein-Based Green Scaffolds for Regenerative Medicine Applications. <i>Biomolecules</i> , 2019, 9, 619.	1.8	40
97	Red selenium nanoparticles and gray selenium nanorods as antibacterial coatings for PEEK medical devices. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1352-1358.	1.6	39
98	Enhanced blood brain barrier permeability and glioblastoma cell targeting via thermoresponsive lipid nanoparticles. <i>Nanoscale</i> , 2017, 9, 15434-15440.	2.8	39
99	Acid-Induced Activated Cell-Penetrating Peptide-Modified Cholesterol-Conjugated Polyoxyethylene Sorbitol Oleate Mixed Micelles for pH-Triggered Drug Release and Efficient Brain Tumor Targeting Based on a Charge Reversal Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43411-43428.	4.0	39
100	PEGylated hollow gold nanoparticles for combined X-ray radiation and photothermal therapy in vitro and enhanced CT imaging in vivo. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 16, 195-205.	1.7	39
101	Paclitaxel/methotrexate co-loaded PLGA nanoparticles in glioblastoma treatment: Formulation development and in vitro antitumor activity evaluation. <i>Life Sciences</i> , 2020, 256, 117943.	2.0	39
102	Bismuth-Based Nanomaterials: Recent Advances in Tumor Targeting and Synergistic Cancer Therapy Techniques. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901695.	3.9	39
103	Hydroxyapatite and $\beta$ -TCP modified PMMA-TiO <sub>2</sub> and PMMA-ZrO <sub>2</sub> coatings for bioactive corrosion protection of Ti6Al4V implants. <i>Materials Science and Engineering C</i> , 2020, 116, 111149.	3.8	39
104	Optimizing superparamagnetic iron oxide nanoparticles as drug carriers using an in vitro blood&ndash;brain barrier model. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5371-5379.	3.3	38
105	Tat-functionalized liposomes for the treatment of meningitis: an in vitro study. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3009-3021.	3.3	38
106	New perspectives in the topical delivery of optimized amphotericin B loaded nanoemulsions using excipients with innate anti-fungal activities: A mechanistic and histopathological investigation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1117-1126.	1.7	37
107	In vitro performance of Ag-incorporated hydroxyapatite and its adhesive porous coatings deposited by electrostatic spraying. <i>Materials Science and Engineering C</i> , 2017, 77, 556-564.	3.8	36
108	Bio-based polyurethane for tissue engineering applications: How hydroxyapatite nanoparticles influence the structure, thermal and biological behavior of polyurethane composites. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 201-208.	1.7	36



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109	&lt;p&gt;The Potential Anticancer Activity of 5-Fluorouracil Loaded in Cellulose Fibers Isolated from Rice Straw&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 5417-5432.	3.3	36
110	Enhanced apatite-forming ability and antibacterial activity of porous anodic alumina embedded with CaO&lt;sup>2+</sup>SiO <sub>2</sub> &lt;sup>-2</sup>Ag <sub>2</sub> O bioactive materials. Materials Science and Engineering C, 2016, 58, 700-708.	3.8	35
111	Green nanotechnology-based drug delivery systems for osteogenic disorders. Expert Opinion on Drug Delivery, 2020, 17, 341-356.	2.4	35
112	Emerging theranostic silver and gold nanobiomaterials for breast cancer: Present status and future prospects. , 2021, , 439-456.		35
113	Multi-scale strategy to eradicate Pseudomonas aeruginosa on surfaces using solid lipid nanoparticles loaded with free fatty acids. Nanoscale, 2014, 6, 825-832.	2.8	34
114	Impact of Induced Pluripotent Stem Cells in Bone Repair and Regeneration. Current Osteoporosis Reports, 2019, 17, 226-234.	1.5	34
115	Solid lipid nanoparticles for thermoresponsive targeting: evidence from spectrophotometry, electrochemical, and cytotoxicity studies. International Journal of Nanomedicine, 2017, Volume 12, 8325-8336.	3.3	33
116	&lt;p&gt;Green Synthesized BSA-Coated Selenium Nanoparticles Inhibit Bacterial Growth While Promoting Mammalian Cell Growth&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 115-124.	3.3	33
117	A high bioavailability and sustained-release nano-delivery system for nintedanib based on electrospray technology. International Journal of Nanomedicine, 2018, Volume 13, 8379-8393.	3.3	32
118	&lt;p&gt;Improving The Oral Absorption Of Nintedanib By A Self-Microemulsion Drug Delivery System: Preparation And In Vitro/In Vivo Evaluation&lt;/p&gt;. International Journal of Nanomedicine, 2019, Volume 14, 8739-8751.	3.3	32
119	Iron oxide nanoparticle core-shell magnetic microspheres: Applications toward targeted drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102134.	1.7	32
120	&lt;p&gt;Novel Silver-Platinum Nanoparticles for Anticancer and Antimicrobial Applications&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 169-179.	3.3	32
121	In Situ Sensor Advancements for Osteoporosis Prevention, Diagnosis, and Treatment. Current Osteoporosis Reports, 2016, 14, 386-395.	1.5	31
122	Co-delivery of Poria cocos extract and doxorubicin as an &lt;sup>~</sup>all-in-one&lt;sup>TM</sup> nanocarrier to combat breast cancer multidrug resistance during chemotherapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 23, 102095.	1.7	31
123	High-gravity-assisted green synthesis of palladium nanoparticles: the flowering of nanomedicine. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102297.	1.7	30
124	Nanotechnology-assisted microfluidic systems: from bench to bedside. Nanomedicine, 2021, 16, 237-258.	1.7	30
125	A nanomedicine-promising approach to provide an appropriate colon-targeted drug delivery system for 5-fluorouracil. International Journal of Nanomedicine, 2015, 10, 7175.	3.3	29
126	Self&lt;sup>-</sup>assembled arginine&lt;sup>-</sup>rich peptides as effective antimicrobial agents. Journal of Biomedical Materials Research - Part A, 2017, 105, 1046-1054.	2.1	29



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127	3-D printed Ti-6Al-4V scaffolds for supporting osteoblast and restricting bacterial functions without using drugs: Predictive equations and experiments. <i>Acta Biomaterialia</i> , 2019, 96, 662-673.	4.1	29
128	Improved green biosynthesis of chitosan decorated Ag- and Co <sub>3</sub> O <sub>4</sub> -nanoparticles: A relationship between surface morphology, photocatalytic and biomedical applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 32, 102331.	1.7	29
129	Novel PLGA-based nanoparticles for the oral delivery of insulin. <i>International Journal of Nanomedicine</i> , 2015, 10, 2207.	3.3	28
130	Synthesis and characterization of PVP-coated tellurium nanorods and their antibacterial and anticancer properties. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	28
131	Cold atmospheric plasma (CAP)-modified and bioactive protein-loaded core-shell nanofibers for bone tissue engineering applications. <i>Biomaterials Science</i> , 2019, 7, 2430-2439.	2.6	28
132	&lt;p&gt;Aptamer Hybrid Nanocomplexes as Targeting Components for Antibiotic/Gene Delivery Systems and Diagnostics: A Review&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4237-4256.	3.3	28
133	Bioinspired hydrogels build a bridge from bench to bedside. <i>Nano Today</i> , 2021, 39, 101157.	6.2	28
134	The promising use of nano-molecular imprinted templates for improved SARS-CoV-2 detection, drug delivery and research. <i>Journal of Nanobiotechnology</i> , 2021, 19, 305.	4.2	28
135	Development of a biocompatible nanodelivery system for tuberculosis drugs based on isoniazid-Mg/Al layered double hydroxide. <i>International Journal of Nanomedicine</i> , 2014, 9, 4749.	3.3	27
136	The colorful world of carotenoids: a profound insight on therapeutics and recent trends in nano delivery systems. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 3658-3697.	5.4	27
137	A dabigatran etexilate phospholipid complex nanoemulsion system for further oral bioavailability by reducing drug-leakage in the gastrointestinal tract. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1455-1464.	1.7	27
138	Formulation and evaluation of a topical niosomal gel containing a combination of benzoyl peroxide and tretinoin for antiacne activity. <i>International Journal of Nanomedicine</i> , 2015, 10, 171.	3.3	26
139	4D printing smart biosystems for nanomedicine. <i>Nanomedicine</i> , 2019, 14, 1643-1645.	1.7	25
140	Fabrication of cellulose nanocrystals as potential anticancer drug delivery systems for colorectal cancer treatment. <i>International Journal of Biological Macromolecules</i> , 2022, 199, 372-385.	3.6	25
141	Electrophoretic deposition of MgO nanoparticles imparts antibacterial properties to poly-L-lactic acid for orthopedic applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3136-3147.	2.1	24
142	A theranostic nanocomposite system based on iron oxide-drug nanocages for targeted magnetic field responsive chemotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1643-1654.	1.7	24
143	Synthesis, characterization and mechanistic study of nano chitosan tetrazole as a novel and promising platform for CRISPR delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 116-126.	1.8	24
144	Green nanomedicine: the path to the next generation of nanomaterials for diagnosing brain tumors and therapeutics?. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 715-736.	2.4	24

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145	Effect of Paclitaxel/etoposide co-loaded polymeric nanoparticles on tumor size and survival rate in a rat model of glioblastoma. <i>International Journal of Pharmaceutics</i> , 2021, 604, 120722.	2.6	24
146	Nanohydroxyapatite/Graphene Nanoribbons Nanocomposites Induce in Vitro Osteogenesis and Promote in Vivo Bone Neof ormation. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1580-1590.	2.6	23
147	&lt;p&gt;A Review on the Biodistribution, Pharmacokinetics and Toxicity of Bismuth-Based Nanomaterials&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7079-7096.	3.3	23
148	A highly accurate methodology for the prediction and correlation of mechanical properties based on the slimness ratio of additively manufactured tensile test specimens. <i>Journal of Materials Science</i> , 2020, 55, 9578-9596.	1.7	23
149	&lt;p&gt;Advances in nanomedicine for the treatment of ankylosing spondylitis&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8521-8542.	3.3	22
150	Ciprofloxacin-Loaded Gold Nanoparticles against Antimicrobial Resistance: An In Vivo Assessment. <i>Nanomaterials</i> , 2021, 11, 3152.	1.9	22
151	Physicochemical properties, cytotoxicity, and&nbsp;antimicrobial activity of sulphated zirconia&nbsp;nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10, 765.	3.3	21
152	A solid self-nanoemulsifying system of the BCS class IIb drug dabigatran etexilate to improve oral bioavailability. <i>Nanomedicine</i> , 2016, 11, 1801-1816.	1.7	21
153	The era of biofunctional biomaterials in orthopedics: what does the future hold?. <i>Expert Review of Medical Devices</i> , 2018, 15, 193-204.	1.4	21
154	Evaluation of cytotoxicity and antimicrobial activity of an injectable bone substitute of carrageenan and nano hydroxyapatite. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2984-2993.	2.1	21
155	Needle-injectable microcomposite cryogel scaffolds with antimicrobial properties. <i>Scientific Reports</i> , 2020, 10, 18370.	1.6	21
156	Development of a novel carboxamide-based off&quot;on switch fluorescence sensor: Hg<sup>2+</sup>, Zn<sup>2+</sup> and Cd<sup>2+</sup>. <i>New Journal of Chemistry</i> , 2020, 44, 11841-11852.	1.4	21
157	Bi<sub>2</sub>O<sub>3</sub> nano-flakes as a cost-effective antibacterial agent. <i>Nanoscale Advances</i> , 2021, 3, 4106-4118.	2.2	21
158	Similar healthy osteoclast and osteoblast activity on nanocrystalline hydroxyapatite and nanoparticles of tri-calcium phosphate compared to natural bone. <i>International Journal of Nanomedicine</i> , 2014, 9, 5627.	3.3	20
159	The Role of Dextran Coatings on the Cytotoxicity Properties of Ceria Nanoparticles Toward Bone Cancer Cells. <i>Jom</i> , 2015, 67, 804-810.	0.9	20
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