

Thomas J Webster

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

275
papers

9,155
citations

45
h-index

87
g-index

308
ext. papers

11,303
ext. citations

6.5
avg, IF

6.89
L-index

#	Paper	IF	Citations
275	Enhanced functions of osteoblasts on nanophase ceramics. <i>Biomaterials</i> , 2000 , 21, 1803-10	15.6	1114
274	Specific proteins mediate enhanced osteoblast adhesion on nanophase ceramics. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 475-83		784
273	Bacteria antibiotic resistance: New challenges and opportunities for implant-associated orthopedic infections. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 22-32	3.8	333
272	A review of drug delivery systems based on nanotechnology and green chemistry: green nanomedicine. <i>International Journal of Nanomedicine</i> , 2017 , 12, 2957-2978	7.3	267
271	Hydroxylapatite with substituted magnesium, zinc, cadmium, and yttrium. II. Mechanisms of osteoblast adhesion. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 59, 312-7		224
270	A review of fibrin and fibrin composites for bone tissue engineering. <i>International Journal of Nanomedicine</i> , 2017 , 12, 4937-4961	7.3	209
269	Biomedical applications of chitosan electrospun nanofibers as a green polymer - Review. <i>Carbohydrate Polymers</i> , 2019 , 207, 588-600	10.3	182
268	The influence of nanostructured features on bacterial adhesion and bone cell functions on severely shot peened 316L stainless steel. <i>Biomaterials</i> , 2015 , 73, 185-97	15.6	167
267	Effect of the protein corona on nanoparticles for modulating cytotoxicity and immunotoxicity. <i>International Journal of Nanomedicine</i> , 2015 , 10, 97-113	7.3	145
266	Review of recent research on biomedical applications of electrospun polymer nanofibers for improved wound healing. <i>Nanomedicine</i> , 2016 , 11, 715-37	5.6	121
265	Adding MgO nanoparticles to hydroxyapatite-PLLA nanocomposites for improved bone tissue engineering applications. <i>Acta Biomaterialia</i> , 2015 , 14, 175-84	10.8	119
264	Wound dressings functionalized with silver nanoparticles: promises and pitfalls. <i>Nanoscale</i> , 2020 , 12, 2268-2291	7.7	118
263	Effects of nanofeatures induced by severe shot peening (SSP) on mechanical, corrosion and cytocompatibility properties of magnesium alloy AZ31. <i>Acta Biomaterialia</i> , 2018 , 66, 93-108	10.8	113
262	Superparamagnetic iron oxide-encapsulating polymersome nanocarriers for biofilm eradication. <i>Biomaterials</i> , 2017 , 119, 78-85	15.6	109
261	Cold atmospheric plasma (CAP) surface nanomodified 3D printed polylactic acid (PLA) scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , 2016 , 46, 256-265	10.8	108
260	A review of small molecules and drug delivery applications using gold and iron nanoparticles. <i>International Journal of Nanomedicine</i> , 2019 , 14, 1633-1657	7.3	104
259	Increased osteoblast functions in the presence of hydroxyapatite-coated iron oxide nanoparticles. <i>Acta Biomaterialia</i> , 2011 , 7, 1298-306	10.8	104

258	Pseudomonas aeruginosa: arsenal of resistance mechanisms, decades of changing resistance profiles, and future antimicrobial therapies. <i>Future Microbiology</i> , 2015 , 10, 1683-706	2.9	96
257	Surface engineered polymeric nanocarriers mediate the delivery of transferrin-methotrexate conjugates for an improved understanding of brain cancer. <i>Acta Biomaterialia</i> , 2015 , 24, 140-51	10.8	95
256	Three-Dimensional Graphene Foams: Synthesis, Properties, Biocompatibility, Biodegradability, and Applications in Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 193-214	5.5	91
255	Would Colloidal Gold Nanocarriers Present An Effective Diagnosis Or Treatment For Ischemic Stroke?. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8013-8031	7.3	89
254	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	5.5	81
253	Emerging Trends in Micro- and Nanoscale Technologies in Medicine: From Basic Discoveries to Translation. <i>ACS Nano</i> , 2017 , 11, 5195-5214	16.7	78
252	Reducing Bacterial Infections and Biofilm Formation Using Nanoparticles and Nanostructured Antibacterial Surfaces. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800103	10.1	78
251	pH-Controlled Cerium Oxide Nanoparticle Inhibition of Both Gram-Positive and Gram-Negative Bacteria Growth. <i>Scientific Reports</i> , 2017 , 7, 45859	4.9	75
250	Shape-dependent antibacterial effects of non-cytotoxic gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2017 , 12, 2457-2468	7.3	73
249	Nanotechnology controlled drug delivery for treating bone diseases. <i>Expert Opinion on Drug Delivery</i> , 2009 , 6, 851-64	8	69
248	Synthesis and characterization of biogenic selenium nanoparticles with antimicrobial properties made by Staphylococcus aureus, methicillin-resistant Staphylococcus aureus (MRSA), Escherichia coli, and Pseudomonas aeruginosa. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 1400-1412	5.4	61
247	Naked Selenium Nanoparticles for Antibacterial and Anticancer Treatments. <i>ACS Omega</i> , 2020 , 5, 2660-2669	6.6	60
246	Advancements in the oral delivery of Docetaxel: challenges, current state-of-the-art and future trends. <i>International Journal of Nanomedicine</i> , 2018 , 13, 3145-3161	7.3	59
245	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	5.5	58
244	Applications of Inorganic Nanomaterials in Photothermal Therapy Based on Combinational Cancer Treatment. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1903-1914	7.3	56
243	Orthopedic implant biomaterials with both osteogenic and anti-infection capacities and associated in vivo evaluation methods. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 123-142	6	56
242	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	8.3	55
241	Starch-mediated synthesis of mono- and bimetallic silver/gold nanoparticles as antimicrobial and anticancer agents. <i>International Journal of Nanomedicine</i> , 2019 , 14, 2171-2190	7.3	53

240	Selenium nanoparticles incorporated into titania nanotubes inhibit bacterial growth and macrophage proliferation. <i>Nanoscale</i> , 2016 , 8, 15783-94	7.7	53
239	Noninvasive nanoparticle strategies for brain tumor targeting. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 2605-2621	6	46
238	Doxorubicin-loaded poly (lactic-co-glycolic acid) nanoparticles coated with chitosan/alginate by layer by layer technology for antitumor applications. <i>International Journal of Nanomedicine</i> , 2017 , 12, 1791-1802	7.3	46
237	Short communication: selective cytotoxicity of curcumin on osteosarcoma cells compared to healthy osteoblasts. <i>International Journal of Nanomedicine</i> , 2014 , 9, 461-5	7.3	46
236	CTGF Loaded Electrospun Dual Porous Core-Shell Membrane For Diabetic Wound Healing. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8573-8588	7.3	46
235	Biodegradable Nanopolymers in Cardiac Tissue Engineering: From Concept Towards Nanomedicine. <i>International Journal of Nanomedicine</i> , 2020 , 15, 4205-4224	7.3	45
234	Versatile redox-sensitive pullulan nanoparticles for enhanced liver targeting and efficient cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1005-1017	6	45
233	Nanotechnology and Nanomaterials for Improving Neural Interfaces. <i>Advanced Functional Materials</i> , 2018 , 28, 1700905	15.6	45
232	A Status Report on FDA Approval of Medical Devices Containing Nanostructured Materials. <i>Trends in Biotechnology</i> , 2019 , 37, 117-120	15.1	45
231	Selenium nanoparticles as anti-infective implant coatings for trauma orthopedics against methicillin-resistant and : in vitro and in vivo assessment. <i>International Journal of Nanomedicine</i> , 2019 , 14, 4613-4624	7.3	45
230	Synthesis, characterization, controlled release, and antibacterial studies of a novel streptomycin chitosan magnetic nanoantibiotic. <i>International Journal of Nanomedicine</i> , 2014 , 9, 549-57	7.3	45
229	Electrospun Nanofibers for Improved Angiogenesis: Promises for Tissue Engineering Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	44
228	Intracellular disposition of chitosan nanoparticles in macrophages: intracellular uptake, exocytosis, and intercellular transport. <i>International Journal of Nanomedicine</i> , 2017 , 12, 6383-6398	7.3	43
227	Galactosylated chitosan triptolide nanoparticles for overcoming hepatocellular carcinoma: Enhanced therapeutic efficacy, low toxicity, and validated network regulatory mechanisms. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 15, 86-97	6	43
226	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	6	42
225	Nanofibrous scaffolds for biomedical applications. <i>Nanoscale</i> , 2018 , 10, 12228-12255	7.7	42
224	A novel near-infrared light responsive 4D printed nanoarchitecture with dynamically and remotely controllable transformation. <i>Nano Research</i> , 2019 , 12, 1381-1388	10	40
223	Burgeoning Polymer Nano Blends for Improved Controlled Drug Release: A Review. <i>International Journal of Nanomedicine</i> , 2020 , 15, 4363-4392	7.3	40

222	The comparative effect of wrapping solid gold nanoparticles and hollow gold nanoparticles with doxorubicin-loaded thermosensitive liposomes for cancer thermo-chemotherapy. <i>Nanoscale</i> , 2018 , 10, 8628-8641	7.7	40
221	Electrospun ultrathin PBAT/nHAp fibers influenced the in vitro and in vivo osteogenesis and improved the mechanical properties of neoformed bone. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 155, 544-552	6	39
220	Citric Juice-mediated Synthesis of Tellurium Nanoparticles with Antimicrobial and Anticancer Properties. <i>Green Chemistry</i> , 2019 , 21, 1982-1988	10	38
219	Nanostructured poly (lactic acid) electrospun fiber with high loadings of TiO nanoparticles: Insights into bactericidal activity and cell viability. <i>Materials Science and Engineering C</i> , 2017 , 71, 381-385	8.3	38
218	Reduced immune cell responses on nano and submicron rough titanium. <i>Acta Biomaterialia</i> , 2015 , 16, 223-31	10.8	38
217	Potential immuno-nanomedicine strategies to fight COVID-19 like pulmonary infections. <i>Nano Today</i> , 2021 , 36, 101051	17.9	38
216	Glioma-targeted dual functionalized thermosensitive Ferri-liposomes for drug delivery through an in vitro blood-brain barrier. <i>Nanoscale</i> , 2019 , 11, 15057-15071	7.7	36
215	Antimicrobial and controlled release studies of a novel nystatin conjugated iron oxide nanocomposite. <i>BioMed Research International</i> , 2014 , 2014, 651831	3	36
214	The role of nanomedicine in growing tissues. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 2034-47	4.7	36
213	3D Bioprinting in Tissue Engineering for Medical Applications: The Classic and the Hybrid. <i>Polymers</i> , 2020 , 12,	4.5	36
212	Enhanced Antibacterial Properties of Self-Assembling Peptide Amphiphiles Functionalized with Heparin-Binding Cardin-Motifs. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22350-22360	9.5	35
211	Three-Dimensional Printing Biologically Inspired DNA-Based Gradient Scaffolds for Cartilage Tissue Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33219-33228	9.5	35
210	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	6	34
209	Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review. <i>International Journal of Nanomedicine</i> , 2020 , 15, 3577-3595	7.3	34
208	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. <i>JPhys Materials</i> , 2020 , 3, 034005	4.2	34
207	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	8.3	33
206	The effect of chrysin-curcumin-loaded nanofibres on the wound-healing process in male rats. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 1642-1652	6.1	32
205	Optimizing stem cell functions and antibacterial properties of TiO ₂ nanotubes incorporated with ZnO nanoparticles: experiments and modeling. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1997-2019	7.3	32

204	3D Printed scaffolds with hierarchical biomimetic structure for osteochondral regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 19, 58-70	6	31
203	Azithromycin-loaded respirable microparticles for targeted pulmonary delivery for the treatment of pneumonia. <i>Biomaterials</i> , 2018 , 160, 107-123	15.6	30
202	Optimizing superparamagnetic iron oxide nanoparticles as drug carriers using an in vitro blood-brain barrier model. <i>International Journal of Nanomedicine</i> , 2016 , 11, 5371-5379	7.3	30
201	Preparation and characterization of nimodipine-loaded nanostructured lipid systems for enhanced solubility and bioavailability. <i>International Journal of Nanomedicine</i> , 2019 , 14, 119-133	7.3	30
200	Enhanced blood brain barrier permeability and glioblastoma cell targeting via thermoresponsive lipid nanoparticles. <i>Nanoscale</i> , 2017 , 9, 15434-15440	7.7	29
199	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	6	29
198	Hydrothermal treatment of etched titanium: A potential surface nano-modification technique for enhanced biocompatibility. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 20, 102016	6	28
197	Tat-functionalized liposomes for the treatment of meningitis: an in vitro study. <i>International Journal of Nanomedicine</i> , 2017 , 12, 3009-3021	7.3	28
196	Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 24, 102143	6	28
195	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 & Interfaces</i> , 2018 , 10, 43411-43428	9.5	28
194	Green Synthesis of Zeolite/FeO Nanocomposites: Toxicity & Cell Proliferation Assays and Application as a Smart Iron Nanofertilizer. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1005-1020	7.3	26
193	Status of Plant Protein-Based Green Scaffolds for Regenerative Medicine Applications. <i>Biomolecules</i> , 2019 , 9,	5.9	26
192	Osteoblast responses to injectable bone substitutes of kappa-carrageenan and nano hydroxyapatite. <i>Acta Biomaterialia</i> , 2019 , 83, 425-434	10.8	26
191	Nanotechnology and picotechnology 2019 , 191-212		25
190	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	6	25
189	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	8.3	24
188	Novel PLGA-based nanoparticles for the oral delivery of insulin. <i>International Journal of Nanomedicine</i> , 2015 , 10, 2207-18	7.3	24
187	Electroconductive Nanobiomaterials for Tissue Engineering and Regenerative Medicine. <i>Bioelectricity</i> , 2020 , 2, 120-149	2	24

186	Enhanced apatite-forming ability and antibacterial activity of porous anodic alumina embedded with CaO-SiO ₂ -Ag ₂ O bioactive materials. <i>Materials Science and Engineering C</i> , 2016 , 58, 700-8	8.3	24
185	Antimicrobial Double-Layer Wound Dressing Based on Chitosan/Polyvinyl Alcohol/Copper: In vitro and in vivo Assessment. <i>International Journal of Nanomedicine</i> , 2021 , 16, 223-235	7.3	24
184	Impact of Induced Pluripotent Stem Cells in Bone Repair and Regeneration. <i>Current Osteoporosis Reports</i> , 2019 , 17, 226-234	5.4	23
183	Multi-scale strategy to eradicate <i>Pseudomonas aeruginosa</i> on surfaces using solid lipid nanoparticles loaded with free fatty acids. <i>Nanoscale</i> , 2014 , 6, 825-32	7.7	23
182	Dual targeting curcumin loaded alendronate-hyaluronan- octadecanoic acid micelles for improving osteosarcoma therapy. <i>International Journal of Nanomedicine</i> , 2019 , 14, 6425-6437	7.3	22
181	Killing malignant melanoma cells with protoporphyrin IX-loaded polymersome-mediated photodynamic therapy and cold atmospheric plasma. <i>International Journal of Nanomedicine</i> , 2017 , 12, 4117-4127	7.3	22
180	Solid lipid nanoparticles for thermoresponsive targeting: evidence from spectrophotometry, electrochemical, and cytotoxicity studies. <i>International Journal of Nanomedicine</i> , 2017 , 12, 8325-8336	7.3	22
179	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> , 2017 ,	6	22
178	In vitro and ex vivo systems at the forefront of infection modeling and drug discovery. <i>Biomaterials</i> , 2019 , 198, 228-249	15.6	22
177	Self-assembled arginine-rich peptides as effective antimicrobial agents. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1046-1054	5.4	21
176	Bismuth-Based Nanomaterials: Recent Advances in Tumor Targeting and Synergistic Cancer Therapy Techniques. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901695	10.1	21
175	Fabrication of Polymeric Microparticles by Electropray: The Impact of Experimental Parameters. <i>Journal of Functional Biomaterials</i> , 2020 , 11,	4.8	21
174	In Situ Sensor Advancements for Osteoporosis Prevention, Diagnosis, and Treatment. <i>Current Osteoporosis Reports</i> , 2016 , 14, 386-395	5.4	21
173	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, 171-82	7.3	21
172	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, 4749-62	7.3	21
171	Cetuximab-Coated Thermo-Sensitive Liposomes Loaded with Magnetic Nanoparticles and Doxorubicin for Targeted EGFR-Expressing Breast Cancer Combined Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 8201-8215	7.3	21
170	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, 1352-8	3.5	21
169	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	6	20

168	Polymeric Nanoparticles for Nasal Drug Delivery to the Brain: Relevance to Alzheimer's Disease. <i>Advanced Therapeutics</i> , 2021 , 4, 2000076	4.9	20
167	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	7.4	19
166	Green nanotechnology-based drug delivery systems for osteogenic disorders. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 341-356	8	19
165	Novel Silver-Platinum Nanoparticles for Anticancer and Antimicrobial Applications. <i>International Journal of Nanomedicine</i> , 2020 , 15, 169-179	7.3	19
164	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	10.8	19
163	A nanomedicine-promising approach to provide an appropriate colon-targeted drug delivery system for 5-fluorouracil. <i>International Journal of Nanomedicine</i> , 2015 , 10, 7175-82	7.3	19
162	Aptamer Hybrid Nanocomplexes as Targeting Components for Antibiotic/Gene Delivery Systems and Diagnostics: A Review. <i>International Journal of Nanomedicine</i> , 2020 , 15, 4237-4256	7.3	18
161	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, 5627-37	7.3	18
160	A solid self-nanoemulsifying system of the BCS class IIb drug dabigatran etexilate to improve oral bioavailability. <i>Nanomedicine</i> , 2016 , 11, 1801-16	5.6	18
159	Recent advances in mesenchymal stem cell membrane-coated nanoparticles for enhanced drug delivery. <i>Biomaterials Science</i> , 2021 , 9, 1088-1103	7.4	18
158	A high bioavailability and sustained-release nano-delivery system for nintedanib based on electrospray technology. <i>International Journal of Nanomedicine</i> , 2018 , 13, 8379-8393	7.3	18
157	Synthesis and characterization of PVP-coated tellurium nanorods and their antibacterial and anticancer properties. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	18
156	The Role of Dextran Coatings on the Cytotoxicity Properties of Ceria Nanoparticles Toward Bone Cancer Cells. <i>Jom</i> , 2015 , 67, 804-810	2.1	17
155	ROS-Responsive Chitosan Coated Magnetic Iron Oxide Nanoparticles as Potential Vehicles for Targeted Drug Delivery in Cancer Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 3333-3346	7.3	17
154	Hydroxyapatite and TCP modified PMMA-TiO and PMMA-ZrO coatings for bioactive corrosion protection of Ti6Al4V implants. <i>Materials Science and Engineering C</i> , 2020 , 116, 111149	8.3	17
153	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	5.5	17
152	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	5.4	17
151	The Potential Anticancer Activity of 5-Fluorouracil Loaded in Cellulose Fibers Isolated from Rice Straw. <i>International Journal of Nanomedicine</i> , 2020 , 15, 5417-5432	7.3	17

150	Paclitaxel/methotrexate co-loaded PLGA nanoparticles in glioblastoma treatment: Formulation development and in vitro antitumor activity evaluation. <i>Life Sciences</i> , 2020 , 256, 117943	6.8	16
149	Physicochemical properties, cytotoxicity, and antimicrobial activity of sulphated zirconia nanoparticles. <i>International Journal of Nanomedicine</i> , 2015 , 10, 765-74	7.3	16
148	Iron oxide nanoparticle core-shell magnetic microspheres: Applications toward targeted drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 24, 102134	6	16
147	High-gravity-assisted green synthesis of palladium nanoparticles: the flowering of nanomedicine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 30, 102297	6	16
146	Green Synthesis of FeO Nanoparticles Stabilized by a Fruit Peel Extract for Hyperthermia and Anticancer Activities. <i>International Journal of Nanomedicine</i> , 2021 , 16, 2515-2532	7.3	16
145	Nanotechnology-assisted microfluidic systems: from bench to bedside. <i>Nanomedicine</i> , 2021 , 16, 237-258	5.6	16
144	The era of biofunctional biomaterials in orthopedics: what does the future hold?. <i>Expert Review of Medical Devices</i> , 2018 , 15, 193-204	3.5	15
143	Development of a highly biocompatible antituberculosis nanodelivery formulation based on para-aminosalicylic acid-zinc layered hydroxide nanocomposites. <i>Scientific World Journal, The</i> , 2014 , 2014, 401460	2.2	15
142	Co-delivery of Poria cocos extract and doxorubicin as an all-in-one nanocarrier to combat breast cancer multidrug resistance during chemotherapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 23, 102095	6	15
141	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> , 2020 , 1-11	3	15
140	CAR-T cells: Early successes in blood cancer and challenges in solid tumors. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 1129-1147	15.5	15
139	Development of a novel carboxamide-based off-on switch fluorescence sensor: Hg ²⁺ , Zn ²⁺ and Cd ²⁺ . <i>New Journal of Chemistry</i> , 2020 , 44, 11841-11852	3.6	14
138	Improved green biosynthesis of chitosan decorated Ag- and CoO-nanoparticles: A relationship between surface morphology, photocatalytic and biomedical applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 32, 102331	6	14
137	Complete ablation of tumors using synchronous chemoradiation with bimetallic theranostic nanoparticles. <i>Bioactive Materials</i> , 2022 , 7, 74-84	16.7	14
136	Comparison of cytocompatibility and anticancer properties of traditional and green chemistry-synthesized tellurium nanowires. <i>International Journal of Nanomedicine</i> , 2019 , 14, 3155-3176	7.3	13
135	Green Synthesized BSA-Coated Selenium Nanoparticles Inhibit Bacterial Growth While Promoting Mammalian Cell Growth. <i>International Journal of Nanomedicine</i> , 2020 , 15, 115-124	7.3	13
134	The Pimpled Gold Nanosphere: A Superior Candidate for Plasmonic Photothermal Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2903-2920	7.3	13
133	High throughput microencapsulation of Bacillus subtilis in semi-permeable biodegradable polymersomes for selenium remediation. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 455-464	5.7	13

132	Synergic antibacterial coatings combining titanium nanocolumns and tellurium nanorods. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 17, 36-46	6	13
131	Growth process and anticancer properties of gold nanorods. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 2616-2621	5.4	12
130	Facile in situ generation of bismuth tungstate nanosheet-multiwalled carbon nanotube composite as unconventional affinity material for quartz crystal microbalance detection of antibiotics. <i>Journal of Hazardous Materials</i> , 2019 , 373, 50-59	12.8	12
129	The Binary Effect on Methicillin-Resistant Staphylococcus aureus of Polymeric Nanovesicles Appended by Proline-Rich Amino Acid Sequences and Inorganic Nanoparticles. <i>Small</i> , 2019 , 15, e1804247	11	12
128	Controlling ferrofluid permeability across the blood-brain barrier model. <i>Nanotechnology</i> , 2014 , 25, 075194	10.1	12
127	Disordered Topography Mediates Filopodial Extension and Morphology of Cells on Stiff Materials. <i>Advanced Functional Materials</i> , 2017 , 27, 1702689	15.6	12
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