

# Thomas Jay Webster

## List of Publications by Citations

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218  
papers

11,720  
citations

53  
h-index

104  
g-index

250  
ext. papers

13,832  
ext. citations

6.6  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
218	Nanotechnology and nanomaterials: Promises for improved tissue regeneration. <i>Nano Today</i> , <b>2009</b> , 4, 66-80	17.9	832
217	Osteoblast adhesion on nanophase ceramics. <i>Biomaterials</i> , <b>1999</b> , 20, 1221-7	15.6	800
216	Increased osteoblast adhesion on nanophase metals: Ti, Ti6Al4V, and CoCrMo. <i>Biomaterials</i> , <b>2004</b> , 25, 4731-9	15.6	664
215	The relationship between the nanostructure of titanium surfaces and bacterial attachment. <i>Biomaterials</i> , <b>2010</b> , 31, 706-13	15.6	495
214	Antimicrobial applications of nanotechnology: methods and literature. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 2767-81	7.3	451
213	Osteoblast response to hydroxyapatite doped with divalent and trivalent cations. <i>Biomaterials</i> , <b>2004</b> , 25, 2111-21	15.6	337
212	The role of nanometer and sub-micron surface features on vascular and bone cell adhesion on titanium. <i>Biomaterials</i> , <b>2008</b> , 29, 970-83	15.6	334
211	Bacteria antibiotic resistance: New challenges and opportunities for implant-associated orthopedic infections. <i>Journal of Orthopaedic Research</i> , <b>2018</b> , 36, 22-32	3.8	333
210	A review of drug delivery systems based on nanotechnology and green chemistry: green nanomedicine. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 2957-2978	7.3	267
209	Enhanced fibronectin adsorption on carbon nanotube/poly(carbonate) urethane: independent role of surface nano-roughness and associated surface energy. <i>Biomaterials</i> , <b>2007</b> , 28, 4756-68	15.6	212
208	A review of fibrin and fibrin composites for bone tissue engineering. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 4937-4961	7.3	209
207	Bactericidal effect of iron oxide nanoparticles on Staphylococcus aureus. <i>International Journal of Nanomedicine</i> , <b>2010</b> , 5, 277-83	7.3	208
206	Selenium nanoparticles inhibit Staphylococcus aureus growth. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 1553-8	7.3	207
205	Mimicking the nanofeatures of bone increases bone-forming cell adhesion and proliferation. <i>Nanotechnology</i> , <b>2005</b> , 16, 1828-1835	3.4	182
204	Biomedical applications of chitosan electrospun nanofibers as a green polymer - Review. <i>Carbohydrate Polymers</i> , <b>2019</b> , 207, 588-600	10.3	182
203	The influence of nanostructured features on bacterial adhesion and bone cell functions on severely shot peened 316L stainless steel. <i>Biomaterials</i> , <b>2015</b> , 73, 185-97	15.6	167
202	Hydroxylapatite with substituted magnesium, zinc, cadmium, and yttrium. I. Structure and microstructure. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 59, 305-11		157

201	Less harmful acidic degradation of poly(lactico-glycolic acid) bone tissue engineering scaffolds through titania nanoparticle addition. <i>International Journal of Nanomedicine</i> , <b>2006</b> , 1, 541-5	7.3	150
200	Effect of the protein corona on nanoparticles for modulating cytotoxicity and immunotoxicity. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 97-113	7.3	145
199	Electrically controlled drug release from nanostructured polypyrrole coated on titanium. <i>Nanotechnology</i> , <b>2011</b> , 22, 085101	3.4	124
198	Review of recent research on biomedical applications of electrospun polymer nanofibers for improved wound healing. <i>Nanomedicine</i> , <b>2016</b> , 11, 715-37	5.6	121
197	Adding MgO nanoparticles to hydroxyapatite-PLLA nanocomposites for improved bone tissue engineering applications. <i>Acta Biomaterialia</i> , <b>2015</b> , 14, 175-84	10.8	119
196	Arginine-glycine-aspartic acid modified rosette nanotube-hydrogel composites for bone tissue engineering. <i>Biomaterials</i> , <b>2009</b> , 30, 1309-20	15.6	118
195	Wound dressings functionalized with silver nanoparticles: promises and pitfalls. <i>Nanoscale</i> , <b>2020</b> , 12, 2268-2291	7.7	118
194	Reducing infections through nanotechnology and nanoparticles. <i>International Journal of Nanomedicine</i> , <b>2011</b> , 6, 1463-73	7.3	116
193	Recent Developments in the Facile Bio-Synthesis of Gold Nanoparticles (AuNPs) and Their Biomedical Applications. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 275-300	7.3	111
192	Superparamagnetic iron oxide-encapsulating polymersome nanocarriers for biofilm eradication. <i>Biomaterials</i> , <b>2017</b> , 119, 78-85	15.6	109
191	Enhanced efficacy of superparamagnetic iron oxide nanoparticles against antibiotic-resistant biofilms in the presence of metabolites. <i>Advanced Materials</i> , <b>2013</b> , 25, 5706-13	24	108
190	Cold atmospheric plasma (CAP) surface nanomodified 3D printed polylactic acid (PLA) scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , <b>2016</b> , 46, 256-265	10.8	108
189	A review of small molecules and drug delivery applications using gold and iron nanoparticles. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 1633-1657	7.3	104
188	Increased osteoblast functions in the presence of hydroxyapatite-coated iron oxide nanoparticles. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1298-306	10.8	104
187	Increased osteoblast function on PLGA composites containing nanophase titania. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 74, 677-86	5.4	92
186	Shape and surface effects on the cytotoxicity of nanoparticles: Gold nanospheres versus gold nanostars. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 3449-62	5.4	91
185	Three-Dimensional Graphene Foams: Synthesis, Properties, Biocompatibility, Biodegradability, and Applications in Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 193-214	5.5	91
184	Would Colloidal Gold Nanocarriers Present An Effective Diagnosis Or Treatment For Ischemic Stroke?. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 8013-8031	7.3	89

183	Superparamagnetic iron oxide nanoparticles (SPION) for the treatment of antibiotic-resistant biofilms. <i>Small</i> , <b>2012</b> , 8, 3016-27	11	89
182	Synthesis of TiO <sub>2</sub> nanotubes with ZnO nanoparticles to achieve antibacterial properties and stem cell compatibility. <i>Nanoscale</i> , <b>2014</b> , 6, 9050-62	7.7	81
181	Reducing Bacterial Infections and Biofilm Formation Using Nanoparticles and Nanostructured Antibacterial Surfaces. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800103	10.1	78
180	pH-Controlled Cerium Oxide Nanoparticle Inhibition of Both Gram-Positive and Gram-Negative Bacteria Growth. <i>Scientific Reports</i> , <b>2017</b> , 7, 45859	4.9	75
179	Antimicrobial selenium nanoparticle coatings on polymeric medical devices. <i>Nanotechnology</i> , <b>2013</b> , 24, 155101	3.4	75
178	Decreased bacteria activity on SiN <sub>3</sub> surfaces compared with PEEK or titanium. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 4829-40	7.3	74
177	Shape-dependent antibacterial effects of non-cytotoxic gold nanoparticles. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 2457-2468	7.3	73
176	Nanostructured selenium for preventing biofilm formation on polycarbonate medical devices. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 3205-10	5.4	69
175	Nanotechnology controlled drug delivery for treating bone diseases. <i>Expert Opinion on Drug Delivery</i> , <b>2009</b> , 6, 851-64	8	69
174	Atomic layer deposition of nano-TiO thin films with enhanced biocompatibility and antimicrobial activity for orthopedic implants. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 8711-8723	7.3	68
173	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> , <b>2018</b> , 106, 1400-1412	5.4	61
172	Synthesis, characterization, and antimicrobial properties of novel double layer nanocomposite electrospun fibers for wound dressing applications. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 2205-2213 <sup>61</sup>	7.3	61
171	Silver nanoparticle-embedded polymersome nanocarriers for the treatment of antibiotic-resistant infections. <i>Nanoscale</i> , <b>2015</b> , 7, 3511-9	7.7	61
170	Naked Selenium Nanoparticles for Antibacterial and Anticancer Treatments. <i>ACS Omega</i> , <b>2020</b> , 5, 2660-2669	5.5	60
169	Engineering Adhesive and Antimicrobial Hyaluronic Acid/Elastin-like Polypeptide Hybrid Hydrogels for Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 2528-2540	5.5	58
168	Osteoblast and Chondrocyte Proliferation in the Presence of Alumina And Titania Nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2002</b> , 4, 231-238	2.3	58
167	Inhibition of E. coli and S. aureus with selenium nanoparticles synthesized by pulsed laser ablation in deionized water. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 3731-6	7.3	57
166	Applications of Inorganic Nanomaterials in Photothermal Therapy Based on Combinational Cancer Treatment. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 1903-1914	7.3	56

165	Starch-mediated synthesis of mono- and bimetallic silver/gold nanoparticles as antimicrobial and anticancer agents. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 2171-2190	7.3	53
164	Selenium nanoparticles incorporated into titania nanotubes inhibit bacterial growth and macrophage proliferation. <i>Nanoscale</i> , <b>2016</b> , 8, 15783-94	7.7	53
163	The ability of streptomycin-loaded chitosan-coated magnetic nanocomposites to possess antimicrobial and antituberculosis activities. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 3269-74	7.3	51
162	Preparation and characterization of biodegradable nano hydroxyapatite/Bacterial cellulose composites with well-defined honeycomb pore arrays for bone tissue engineering applications. <i>Cellulose</i> , <b>2016</b> , 23, 1263-1282	5.5	50
161	Carbon Nanotubes: Smart Drug/Gene Delivery Carriers. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 1681-1706	7.3	47
160	Noninvasive nanoparticle strategies for brain tumor targeting. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 2605-2621	6	46
159	Biodegradable Nanopolymers in Cardiac Tissue Engineering: From Concept Towards Nanomedicine. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4205-4224	7.3	45
158	A Status Report on FDA Approval of Medical Devices Containing Nanostructured Materials. <i>Trends in Biotechnology</i> , <b>2019</b> , 37, 117-120	15.1	45
157	Electrospun Nanofibers for Improved Angiogenesis: Promises for Tissue Engineering Applications. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	44
156	Nanofibrous scaffolds for biomedical applications. <i>Nanoscale</i> , <b>2018</b> , 10, 12228-12255	7.7	42
155	Electrospun nanofiber blend with improved mechanical and biological performance. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 7891-7903	7.3	42
154	Burgeoning Polymer Nano Blends for Improved Controlled Drug Release: A Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4363-4392	7.3	40
153	The comparative effect of wrapping solid gold nanoparticles and hollow gold nanoparticles with doxorubicin-loaded thermosensitive liposomes for cancer thermo-chemotherapy. <i>Nanoscale</i> , <b>2018</b> , 10, 8628-8641	7.7	40
152	Citric Juice-mediated Synthesis of Tellurium Nanoparticles with Antimicrobial and Anticancer Properties. <i>Green Chemistry</i> , <b>2019</b> , 21, 1982-1988	10	38
151	Greater osteoblast and endothelial cell adhesion on nanostructured polyethylene and titanium. <i>International Journal of Nanomedicine</i> , <b>2010</b> , 5, 647-52	7.3	38
150	Reducing bone cancer cell functions using selenium nanocomposites. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 476-82	5.4	37
149	Antimicrobial and controlled release studies of a novel nystatin conjugated iron oxide nanocomposite. <i>BioMed Research International</i> , <b>2014</b> , 2014, 651831	3	36
148	3D Bioprinting in Tissue Engineering for Medical Applications: The Classic and the Hybrid. <i>Polymers</i> , <b>2020</b> , 12,	4.5	36

147	Enhanced Antibacterial Properties of Self-Assembling Peptide Amphiphiles Functionalized with Heparin-Binding Cardin-Motifs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22350-22360	9.5	35
146	Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 3577-3595	7.3	34
145	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. <i>JPhys Materials</i> , <b>2020</b> , 3, 034005	4.2	34
144	A review of using green chemistry methods for biomaterials in tissue engineering. <i>International Journal of Nanomedicine</i> , <b>2018</b> , 13, 5953-5969	7.3	33
143	Carbon nanotubes impregnated with subventricular zone neural progenitor cells promotes recovery from stroke. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 2751-65	7.3	32
142	Sol-gel derived materials as substrates for neuronal differentiation: effects of surface features and protein conformation. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 3221		32
141	Shape and surface chemistry effects on the cytotoxicity and cellular uptake of metallic nanorods and nanospheres. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 3940-55	5.4	31
140	Optimizing superparamagnetic iron oxide nanoparticles as drug carriers using an in vitro blood-brain barrier model. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 5371-5379	7.3	30
139	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> , <b>2019</b> , 16, 195-205	6	29
138	Short communication: inhibiting biofilm formation on paper towels through the use of selenium nanoparticles coatings. <i>International Journal of Nanomedicine</i> , <b>2013</b> , 8, 407-11	7.3	28
137	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> , <b>2018</b> , 10, 43411-43428	9.5	28
136	Green Synthesis of Zeolite/FeO Nanocomposites: Toxicity & Cell Proliferation Assays and Application as a Smart Iron Nanofertilizer. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 1005-1020	7.3	26
135	Status of Plant Protein-Based Green Scaffolds for Regenerative Medicine Applications. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	26
134	Osteoblast responses to injectable bone substitutes of kappa-carrageenan and nano hydroxyapatite. <i>Acta Biomaterialia</i> , <b>2019</b> , 83, 425-434	10.8	26
133	Nanotechnology and picotechnology <b>2019</b> , 191-212		25
132	Cytotoxicity of selenium nanoparticles in rat dermal fibroblasts. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 3907-14	7.3	25
131	In vitro performance of Ag-incorporated hydroxyapatite and its adhesive porous coatings deposited by electrostatic spraying. <i>Materials Science and Engineering C</i> , <b>2017</b> , 77, 556-564	8.3	24
130	Electroconductive Nanobiomaterials for Tissue Engineering and Regenerative Medicine. <i>Bioelectricity</i> , <b>2020</b> , 2, 120-149	2	24

129	Antimicrobial Double-Layer Wound Dressing Based on Chitosan/Polyvinyl Alcohol/Copper: In vitro and in vivo Assessment. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 223-235	7.3	24
128	Understanding the impact of crosslinked PCL/PEG/GelMA electrospun nanofibers on bactericidal activity. <i>PLoS ONE</i> , <b>2018</b> , 13, e0209386	3.7	23
127	Dual targeting curcumin loaded alendronate-hyaluronan- octadecanoic acid micelles for improving osteosarcoma therapy. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 6425-6437	7.3	22
126	Lubricin: a novel means to decrease bacterial adhesion and proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 451-62	5.4	22
125	Harnessing nanoparticles for the efficient delivery of the CRISPR/Cas9 system. <i>Nano Today</i> , <b>2020</b> , 34, 100895	17.9	22
124	Green synthesis of CuO- and CuO-NPs in assistance with high-gravity: The flowering of nanobiotechnology. <i>Nanotechnology</i> , <b>2020</b> , 31, 425101	3.4	22
123	Green Synthesis of ZnO NPs via : Evaluation of Potential Antioxidant, Antibacterial, Mammalian Cell Viability, H1N1 Influenza Virus Inhibition and Photocatalytic Activities. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 456-466	4	22
122	In vitro and ex vivo systems at the forefront of infection modeling and drug discovery. <i>Biomaterials</i> , <b>2019</b> , 198, 228-249	15.6	22
121	Self-assembled arginine-rich peptides as effective antimicrobial agents. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 1046-1054	5.4	21
120	Bismuth-Based Nanomaterials: Recent Advances in Tumor Targeting and Synergistic Cancer Therapy Techniques. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901695	10.1	21
119	Fabrication of Polymeric Microparticles by Electrospray: The Impact of Experimental Parameters. <i>Journal of Functional Biomaterials</i> , <b>2020</b> , 11,	4.8	21
118	Development of a biocompatible nanodelivery system for tuberculosis drugs based on isoniazid-Mg/Al layered double hydroxide. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 4749-62	7.3	21
117	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> , <b>2020</b> , 15, 8201-8215	7.3	21
116	Fructose-enhanced reduction of bacterial growth on nanorough surfaces. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 537-45	7.3	20
115	Addition of Selenium Nanoparticles to Electrospun Silk Scaffold Improves the Mammalian Cell Activity While Reducing Bacterial Growth. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 297	4.6	20
114	Atomic Layer Deposition Coating of TiO Nano-Thin Films on Magnesium-Zinc Alloys to Enhance Cytocompatibility for Bioresorbable Vascular Stents. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 9955-9970	7.3	20
113	Polymeric Nanoparticles for Nasal Drug Delivery to the Brain: Relevance to Alzheimer's Disease. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000076	4.9	20
112	Green nanotechnology-based drug delivery systems for osteogenic disorders. <i>Expert Opinion on Drug Delivery</i> , <b>2020</b> , 17, 341-356	8	19



111	Novel Silver-Platinum Nanoparticles for Anticancer and Antimicrobial Applications. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 169-179	7.3	19
110	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> , <b>2019</b> , 96, 662-673	10.8	19
109	Aptamer Hybrid Nanocomplexes as Targeting Components for Antibiotic/Gene Delivery Systems and Diagnostics: A Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4237-4256	7.3	18
108	Synthesis and characterization of PVP-coated tellurium nanorods and their antibacterial and anticancer properties. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	18
107	ROS-Responsive Chitosan Coated Magnetic Iron Oxide Nanoparticles as Potential Vehicles for Targeted Drug Delivery in Cancer Therapy. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 3333-3346	7.3	17
106	Inhibition of various gram-positive and gram-negative bacteria growth on selenium nanoparticle coated paper towels. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 2885-94	7.3	17
105	The Potential Anticancer Activity of 5-Fluorouracil Loaded in Cellulose Fibers Isolated from Rice Straw. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 5417-5432	7.3	17
104	Bacterial behavior on coated porous titanium substrates for biomedical applications. <i>Surface and Coatings Technology</i> , <b>2019</b> , 357, 896-902	4.4	17
103	High-gravity-assisted green synthesis of palladium nanoparticles: the flowering of nanomedicine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 30, 102297	6	16
102	Green Synthesis of FeO Nanoparticles Stabilized by a Fruit Peel Extract for Hyperthermia and Anticancer Activities. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 2515-2532	7.3	16
101	Nanotechnology-assisted microfluidic systems: from bench to bedside. <i>Nanomedicine</i> , <b>2021</b> , 16, 237-258	5.6	16
100	PMMA-silica nanocomposite coating: Effective corrosion protection and biocompatibility for a Ti6Al4V alloy. <i>Materials Science and Engineering C</i> , <b>2020</b> , 110, 110713	8.3	15
99	Development of a highly biocompatible antituberculosis nanodelivery formulation based on para-aminosalicylic acid-zinc layered hydroxide nanocomposites. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 401460	2.2	15
98	Adhesion of <i>Pseudomonas fluorescens</i> onto nanophase materials. <i>Nanotechnology</i> , <b>2005</b> , 16, S449-57	3.4	15
97	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> , <b>2020</b> , 1-11	3	15
96	Development of a novel carboxamide-based off/on switch fluorescence sensor: Hg <sup>2+</sup> , Zn <sup>2+</sup> and Cd <sup>2+</sup> . <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 11841-11852	3.6	14
95	High-Gravity-Assisted Green Synthesis of NiO-NPs Anchored on the Surface of Biodegradable Nanobeads with Potential Biomedical Applications. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 520-530	4.3	14
94	Green synthesis of zinc oxide nanoparticles by Neem extract as multi-facet therapeutic agents. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 59, 101911	4.5	14



93	Synthesis, characterization, and efficacy of antituberculosis isoniazid zinc aluminum-layered double hydroxide based nanocomposites. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 3225-37	7.3	14
92	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> , <b>2021</b> , 32, 102331	6	14
91	Dual effective core-shell electrospun scaffolds: Promoting osteoblast maturation and reducing bacteria activity. <i>Materials Science and Engineering C</i> , <b>2019</b> , 103, 109778	8.3	13
90	Comparison of cytocompatibility and anticancer properties of traditional and green chemistry-synthesized tellurium nanowires. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 3155-3176	7.3	13
89	Green Synthesized BSA-Coated Selenium Nanoparticles Inhibit Bacterial Growth While Promoting Mammalian Cell Growth. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 115-124	7.3	13
88	The Pimpled Gold Nanosphere: A Superior Candidate for Plasmonic Photothermal Therapy. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 2903-2920	7.3	13
87	Synergic antibacterial coatings combining titanium nanocolumns and tellurium nanorods. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 17, 36-46	6	13
86	The Binary Effect on Methicillin-Resistant Staphylococcus aureus of Polymeric Nanovesicles Appended by Proline-Rich Amino Acid Sequences and Inorganic Nanoparticles. <i>Small</i> , <b>2019</b> , 15, e1804247 <sup>1</sup>	7.1	12
85	Controlled Gene Delivery Systems: Nanomaterials and Chemical Approaches. <i>Journal of Biomedical Nanotechnology</i> , <b>2020</b> , 16, 553-582	4	12
84	In situ printing of scaffolds for reconstruction of bone defects. <i>Acta Biomaterialia</i> , <b>2021</b> , 127, 313-326	10.8	12
83	Cytoprotective effects of cerium and selenium nanoparticles on heat-shocked human dermal fibroblasts: an in vitro evaluation. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 1427-33	7.3	12
82	Fumaryl diketopiperazine based effervescent microparticles to escape macrophage phagocytosis for enhanced treatment of pneumonia via pulmonary delivery. <i>Biomaterials</i> , <b>2020</b> , 228, 119575	15.6	12
81	Green nanomedicine: the path to the next generation of nanomaterials for diagnosing brain tumors and therapeutics?. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 715-736	8	12
80	Multifunctional magnetic nanoparticles for orthopedic and biofilm infections. <i>International Journal of Nanotechnology</i> , <b>2011</b> , 8, 21	1.5	11
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