

Cheol Sang Kim

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.

240
papers

6,863
citations

47
h-index

69
g-index

250
ext. papers

8,167
ext. citations

6
avg, IF

6.47
L-index

#	Paper	IF	Citations
240	Electrospun antibacterial polyurethane-cellulose acetate-zein composite mats for wound dressing. <i>Carbohydrate Polymers</i> , 2014 , 102, 884-92	10.3	228
239	In Situ Synthesis of Antimicrobial Silver Nanoparticles within Antifouling Zwitterionic Hydrogels by Catecholic Redox Chemistry for Wound Healing Application. <i>Biomacromolecules</i> , 2016 , 17, 1213-23	6.9	188
238	Mussel-Inspired Electrospun Nanofibers Functionalized with Size-Controlled Silver Nanoparticles for Wound Dressing Application. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12176-83	9.5	161
237	A Review on Properties of Natural and Synthetic Based Electrospun Fibrous Materials for Bone Tissue Engineering. <i>Membranes</i> , 2018 , 8,	3.8	131
236	A Controlled Design of Aligned and Random Nanofibers for 3D Bi-functionalized Nerve Conduits Fabricated via a Novel Electrospinning Set-up. <i>Scientific Reports</i> , 2016 , 6, 23761	4.9	113
235	Facile synthesis of ZnO flowers modified graphene like MoS ₂ sheets for enhanced visible-light-driven photocatalytic activity and antibacterial properties. <i>Journal of Alloys and Compounds</i> , 2016 , 682, 208-215	5.7	105
234	TiO ₂ nanorod-intercalated reduced graphene oxide as high performance electrode material for membrane capacitive deionization. <i>Desalination</i> , 2015 , 361, 53-64	10.3	103
233	Antibacterial and photocatalytic properties of Ag/TiO ₂ /ZnO nano-flowers prepared by facile one-pot hydrothermal process. <i>Ceramics International</i> , 2013 , 39, 1503-1510	5.1	100
232	In Situ Generation of Cellulose Nanocrystals in Polycaprolactone Nanofibers: Effects on Crystallinity, Mechanical Strength, Biocompatibility, and Biomimetic Mineralization. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19672-83	9.5	98
231	A green and facile one-pot synthesis of Ag/ZnO/RGO nanocomposite with effective photocatalytic activity for removal of organic pollutants. <i>Ceramics International</i> , 2013 , 39, 5083-5091	5.1	98
230	pH/NIR Light-Controlled Multidrug Release via a Mussel-Inspired Nanocomposite Hydrogel for Chemo-Photothermal Cancer Therapy. <i>Scientific Reports</i> , 2016 , 6, 33594	4.9	95
229	Photocatalytic TiO ₂ /RGO/nylon-6 spider-wave-like nano-nets via electrospinning and hydrothermal treatment. <i>Journal of Membrane Science</i> , 2013 , 429, 225-234	9.6	94
228	High-performance glucose biosensor based on chitosan-glucose oxidase immobilized polypyrrole/Nafion/functionalized multi-walled carbon nanotubes bio-nanohybrid film. <i>Journal of Colloid and Interface Science</i> , 2016 , 482, 39-47	9.3	93
227	Electrospun bioactive poly (ε-caprolactone)/cellulose acetate/dextran antibacterial composite mats for wound dressing applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 469, 194-201	5.1	90
226	One pot synthesis and characterization of Ag-ZnO/g-C ₃ N ₄ photocatalyst with improved photoactivity and antibacterial properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 482, 477-484	5.1	89
225	Electrospun propolis/polyurethane composite nanofibers for biomedical applications. <i>Materials Science and Engineering C</i> , 2014 , 44, 52-7	8.3	89
224	One-step fabrication of multifunctional composite polyurethane spider-web-like nanofibrous membrane for water purification. <i>Journal of Hazardous Materials</i> , 2014 , 264, 25-33	12.8	88

223	Characterization and antibacterial properties of Ag NPs loaded nylon-6 nanocomposite prepared by one-step electrospinning process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 395, 94-99	5.1	80
222	Electrospun polyurethane-dextran nanofiber mats loaded with Estradiol for post-menopausal wound dressing. <i>International Journal of Biological Macromolecules</i> , 2015 , 77, 1-8	7.9	75
221	Bimodal fiber diameter distributed graphene oxide/nylon-6 composite nanofibrous mats via electrospinning. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 407, 121-125	5.1	75
220	Development of polyamide-6,6/chitosan electrospun hybrid nanofibrous scaffolds for tissue engineering application. <i>Carbohydrate Polymers</i> , 2016 , 148, 107-14	10.3	75
219	An implantable smart magnetic nanofiber device for endoscopic hyperthermia treatment and tumor-triggered controlled drug release. <i>Acta Biomaterialia</i> , 2016 , 31, 122-133	10.8	74
218	A unique scaffold for bone tissue engineering: An osteogenic combination of graphene oxide/hyaluronic acid/chitosan with simvastatin. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 46, 182-191	6.3	74
217	Multi-layered macroporous three-dimensional nanofibrous scaffold via a novel gas foaming technique. <i>Chemical Engineering Journal</i> , 2015 , 275, 79-88	14.7	72
216	Fabrication and characterization of electrospun zein/Ag nanocomposite mats for wound dressing applications. <i>International Journal of Biological Macromolecules</i> , 2015 , 80, 1-7	7.9	71
215	Synthesis, characterization, and photocatalytic properties of ZnO nano-flower containing TiO ₂ NPs. <i>Ceramics International</i> , 2012 , 38, 2943-2950	5.1	71
214	Polydopamine-assisted immobilization of hierarchical zinc oxide nanostructures on electrospun nanofibrous membrane for photocatalysis and antimicrobial activity. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 566-574	9.3	71
213	In situ synthesis of cylindrical spongy polypyrrole doped protonated graphitic carbon nitride for cholesterol sensing application. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 686-693	11.8	70
212	Electrodeless coating polypyrrole on chitosan grafted polyurethane with functionalized multiwall carbon nanotubes electrospun scaffold for nerve tissue engineering. <i>Carbon</i> , 2018 , 136, 430-443	10.4	70
211	Boron nitride nanotubes: synthesis and applications. <i>Nano Convergence</i> , 2018 , 5, 17	9.2	70
210	Bio-inspired hybrid scaffold of zinc oxide-functionalized multi-wall carbon nanotubes reinforced polyurethane nanofibers for bone tissue engineering. <i>Materials and Design</i> , 2017 , 133, 69-81	8.1	68
209	Enhanced corrosion resistance and biocompatibility of AZ31 Mg alloy using PCL/ZnO NPs via electrospinning. <i>Applied Surface Science</i> , 2017 , 396, 249-258	6.7	67
208	Multifunctional Nanocarpets for Cancer Theranostics: Remotely Controlled Graphene Nanoheaters for Thermo-Chemosensitisation and Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2016 , 6, 20543	4.9	66
207	Mussel-Inspired Electrospun Smart Magnetic Nanofibers for Hyperthermic Chemotherapy. <i>Advanced Functional Materials</i> , 2015 , 25, 2867-2875	15.6	64
206	ZnO micro-flowers assembled on reduced graphene sheets with high photocatalytic activity for removal of pollutants. <i>Powder Technology</i> , 2013 , 235, 853-858	5.2	60

205	Hyaluronic acid conjugated superparamagnetic iron oxide nanoparticle for cancer diagnosis and hyperthermia therapy. <i>Carbohydrate Polymers</i> , 2015 , 131, 439-46	10.3	59
204	Electrospinning Directly Synthesized Porous TiO ₂ Nanofibers Modified by Graphitic Carbon Nitride Sheets for Enhanced Photocatalytic Degradation Activity under Solar Light Irradiation. <i>Langmuir</i> , 2016 , 32, 6163-75	4	56
203	Regenerated cellulose nanofiber reinforced chitosan hydrogel scaffolds for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2021 , 251, 117023	10.3	56
202	Three-dimensional cellulose sponge: Fabrication, characterization, biomimetic mineralization, and in vitro cell infiltration. <i>Carbohydrate Polymers</i> , 2016 , 136, 154-62	10.3	55
201	Incorporation of BMP-2 nanoparticles on the surface of a 3D-printed hydroxyapatite scaffold using an ϵ -polycaprolactone polymer emulsion coating method for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 421-429	6	55
200	High performance of NiCo nanoparticles-doped carbon nanofibers as counter electrode for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2015 , 160, 1-6	6.7	54
199	Physical water treatment using RF electric fields for the mitigation of CaCO ₃ fouling in cooling water. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 1426-1437	4.9	54
198	One-step fabrication of antibacterial (silver nanoparticles/poly(ethylene oxide)) β -Polyurethane bicomponent hybrid nanofibrous mat by dual-spinneret electrospinning. <i>Materials Chemistry and Physics</i> , 2012 , 134, 557-561	4.4	53
197	A smart magnetic nanoplatform for synergistic anticancer therapy: manoeuvring mussel-inspired functional magnetic nanoparticles for pH responsive anticancer drug delivery and hyperthermia. <i>Nanoscale</i> , 2015 , 7, 18119-28	7.7	51
196	Immobilization of silver nanoparticles on electropolymerized polydopamine films for metal implant applications. <i>Colloids and Interface Science Communications</i> , 2015 , 6, 5-8	5.4	51
195	pH/NIR-Responsive Polypyrrole-Functionalized Fibrous Localized Drug-Delivery Platform for Synergistic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20256-20270	9.5	51
194	A Multifunctional Zinc Oxide/Poly(Lactic Acid) Nanocomposite Layer Coated on Magnesium Alloys for Controlled Degradation and Antibacterial Function. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2169-2180	5.5	48
193	Controlled assembly of superparamagnetic iron oxide nanoparticles on electrospun PU nanofibrous membrane: A novel heat-generating substrate for magnetic hyperthermia application. <i>European Polymer Journal</i> , 2013 , 49, 3796-3805	5.2	47
192	Core-shell structured electrospun biomimetic composite nanofibers of calcium lactate/nylon-6 for tissue engineering. <i>Chemical Engineering Journal</i> , 2013 , 221, 90-98	14.7	45
191	A conducting neural interface of polyurethane/silk-functionalized multiwall carbon nanotubes with enhanced mechanical strength for neuroregeneration. <i>Materials Science and Engineering C</i> , 2019 , 102, 511-523	8.3	44
190	Fabrication of multifunctional TiO ₂ /fly ash/polyurethane nanocomposite membrane via electrospinning. <i>Ceramics International</i> , 2014 , 40, 3023-3029	5.1	44
189	Facile synthesis of TiO ₂ /ZrO ₂ nanofibers/nitrogen co-doped activated carbon to enhance the desalination and bacterial inactivation via capacitive deionization. <i>Scientific Reports</i> , 2018 , 8, 541	4.9	43
188	Drug release and kinetic models of anticancer drug (BTZ) from a pH-responsive alginate polydopamine hydrogel: Towards cancer chemotherapy. <i>International Journal of Biological Macromolecules</i> , 2019 , 141, 388-400	7.9	42

187	Deposition of ZnO flowers on the surface of g-C3N4 sheets via hydrothermal process. <i>Ceramics International</i> , 2015 , 41, 12923-12929	5.1	41
186	Composite PCL/HA/simvastatin electrospun nanofiber coating on biodegradable Mg alloy for orthopedic implant application 2019 , 16, 477-489		41
185	Synthesis, characterization, and mineralization of polyamide-6/calcium lactate composite nanofibers for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 152-7	6	40
184	Electrospun polyurethane/Eudragit \square L100-55 composite mats for the pH dependent release of paclitaxel on duodenal stent cover application. <i>International Journal of Pharmaceutics</i> , 2015 , 478, 1-8	6.5	39
183	One-pot synthesis of Ag-iron oxide/reduced graphene oxide nanocomposite via hydrothermal treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 446, 102-108	5.1	39
182	Two-nozzle electrospinning of (MWNT/PU)/PU nanofibrous composite mat with improved mechanical and thermal properties. <i>Current Applied Physics</i> , 2013 , 13, 1247-1255	2.6	38
181	Fabrication of N-doped & SnO ₂ -incorporated activated carbon to enhance desalination and bio-decontamination performance for capacitive deionization. <i>Journal of Alloys and Compounds</i> , 2017 , 729, 764-775	5.7	38
180	Heterogeneous electrospun polycaprolactone/polyethylene glycol membranes with improved wettability, biocompatibility, and mineralization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 520, 105-113	5.1	37
179	On-demand drug release and hyperthermia therapy applications of thermoresponsive poly-(NIPAAm-co-HMAAm)/polyurethane core-shell nanofiber mat on non-vascular nitinol stents. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 527-538	6	37
178	A comprehensive electric field analysis of cylinder-type multi-nozzle electrospinning system for mass production of nanofibers. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 31, 251-256	6.3	37
177	Lactic acid assisted fabrication of bioactive three-dimensional PLLA/ β -TCP fibrous scaffold for biomedical application. <i>Chemical Engineering Journal</i> , 2018 , 347, 771-781	14.7	36
176	Antibacterial tourmaline nanoparticles/polyurethane hybrid mat decorated with silver nanoparticles prepared by electrospinning and UV photoreduction. <i>Current Applied Physics</i> , 2013 , 13, 205-210	2.6	36
175	Mitigation of scaling in heat exchangers by physical water treatment using zinc and tourmaline. <i>Applied Thermal Engineering</i> , 2011 , 31, 2025-2031	5.8	36
174	Simple Colorimetric and Fluorescence Chemosensing Probe for Selective Detection of Sn Ions in an Aqueous Solution: Evaluation of the Novel Sensing Mechanism and Its Bioimaging Applications. <i>Analytical Chemistry</i> , 2021 , 93, 801-811	7.8	36
173	Synthesis of three-dimensional mesoporous Cu-Al layered double hydroxide/g-CN nanocomposites on Ni-foam for enhanced supercapacitors with excellent long-term cycling stability. <i>Dalton Transactions</i> , 2018 , 47, 4455-4466	4.3	35
172	Fabrication, characterization and biomedical application of two-nozzle electrospun polycaprolactone/zein-calcium lactate composite nonwoven mat. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016 , 60, 312-323	4.1	35
171	Chitin butyrate coated electrospun nylon-6 fibers for biomedical applications. <i>Applied Surface Science</i> , 2013 , 285, 538-544	6.7	35
170	One-step anodization deposition of anticorrosive bioceramic compounds on AZ31B magnesium alloy for biomedical application. <i>Ceramics International</i> , 2015 , 41, 10861-10870	5.1	32

169	Synthesis and characterization of gold/silica hybrid nanoparticles incorporated gelatin methacrylate conductive hydrogels for H9C2 cardiac cell compatibility study. <i>Composites Part B: Engineering</i> , 2019 , 177, 107415	10	31
168	Synthesis, characterization, organic compound degradation activity and antimicrobial performance of g-C ₃ N ₄ sheets customized with metal nanoparticles-decorated TiO ₂ nanofibers. <i>RSC Advances</i> , 2016 , 6, 55079-55091	3.7	31
167	Systematic understanding of corrosion behavior of plasma electrolytic oxidation treated AZ31 magnesium alloy using a mouse model of subcutaneous implant. <i>Materials Science and Engineering C</i> , 2014 , 45, 45-55	8.3	31
166	In-situ synthesis of AgNPs in the natural/synthetic hybrid nanofibrous scaffolds: Fabrication, characterization and antimicrobial activities. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 66-76	4.1	31
165	Synthesis and characterizations of activated carbon from Wisteria sinensis seeds biomass for energy storage applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 72, 265-272	6.3	31
164	In-situ polymerized polypyrrole nanoparticles immobilized poly(ϵ -caprolactone) electrospun conductive scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020 , 114, 111056	8.3	30
163	Polydopamine-based Implantable Multifunctional Nanocarpets for Highly Efficient Photothermal-chemo Therapy. <i>Scientific Reports</i> , 2019 , 9, 2943	4.9	30
162	Improved mechanical properties of solution-cast silicone film reinforced with electrospun polyurethane nanofiber containing carbon nanotubes. <i>Applied Surface Science</i> , 2013 , 264, 453-458	6.7	29
161	Globular Shaped Polypyrrole Doped Well-Dispersed Functionalized Multiwall Carbon Nanotubes/Nafion Composite for Enzymatic Glucose Biosensor Application. <i>Scientific Reports</i> , 2017 , 7, 16191	4.9	29
160	A novel simple strategy for in situ deposition of apatite layer on AZ31B magnesium alloy for bone tissue regeneration. <i>Applied Surface Science</i> , 2015 , 351, 55-65	6.7	29
159	Effect of high-frequency electric fields on calcium carbonate scaling. <i>Desalination</i> , 2011 , 279, 47-53	10.3	29
158	Cellulose reinforced nylon-6 nanofibrous membrane: Fabrication strategies, physicochemical characterizations, wicking properties and biomimetic mineralization. <i>Carbohydrate Polymers</i> , 2016 , 147, 104-113	10.3	28
157	Synthesis of high porous electrospun hollow TiO ₂ nanofibers for bone tissue engineering application. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 35, 75-82	6.3	28
156	Harnessing nanotopography of PCL/collagen nanocomposite membrane and changes in cell morphology coordinated with wound healing activity. <i>Materials Science and Engineering C</i> , 2018 , 91, 824-837	8.3	28
155	Synthesis and characterization of spider-web-like electrospun mats of meta-aramid. <i>Polymer International</i> , 2012 , 61, 1675-1682	3.3	28
154	In-situ deposition of silver-iron oxide nanoparticles on the surface of fly ash for water purification. <i>Journal of Colloid and Interface Science</i> , 2015 , 453, 159-168	9.3	27
153	Facile in situ growth of highly monodispersed Ag nanoparticles on electrospun PU nanofiber membranes: Flexible and high efficiency substrates for surface enhanced Raman scattering. <i>Applied Surface Science</i> , 2014 , 308, 396-401	6.7	27
152	A controlled surface geometry of polyaniline doped titania nanotubes biointerface for accelerating MC3T3-E1 cells growth in bone tissue engineering. <i>Chemical Engineering Journal</i> , 2018 , 350, 57-68	14.7	27

151	Bimodal fibrous structures for tissue engineering: Fabrication, characterization and in vitro biocompatibility. <i>Journal of Colloid and Interface Science</i> , 2016 , 476, 29-34	9.3	26
150	Hybrid multi-scale basalt fiber-epoxy composite laminate reinforced with Electrospun polyurethane nanofibers containing carbon nanotubes. <i>Fibers and Polymers</i> , 2014 , 15, 1295-1302	2	26
149	Incorporating zirconia nanoparticles into activated carbon as electrode material for capacitive deionization. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 1079-1087	5.7	26
148	In-situ immobilization of silver nanoparticles on ZSM-5 type zeolite by catechol redox chemistry, a green catalyst for A3-coupling reaction. <i>Microporous and Mesoporous Materials</i> , 2016 , 225, 296-302	5.3	25
147	Facile synthesis and immobilization of Ag ₃ TiO ₂ nanoparticles on electrospun PU nanofibers by polyol technique and simple immersion. <i>Materials Chemistry and Physics</i> , 2012 , 135, 277-281	4.4	25
146	Considerations in the Development of Small-Diameter Vascular Graft as an Alternative for Bypass and Reconstructive Surgeries: A Review. <i>Cardiovascular Engineering and Technology</i> , 2020 , 11, 495-521	2.2	25
145	Sacrificial template-based synthetic approach of polypyrrole hollow fibers for photothermal therapy. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 447-458	9.3	25
144	Exfoliated nanosheets of Co ₃ O ₄ webbed with polyaniline nanofibers: A novel composite electrode material for enzymeless glucose sensing application. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 73, 106-117	6.3	24
143	Polyaniline-coated titanium oxide nanoparticles and simvastatin-loaded poly(ϵ -caprolactone) composite nanofibers scaffold for bone tissue regeneration application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 192, 111007	6	24
142	A novel in situ deposition of hydroxyapatite nanoplates using anodization/hydrothermal process onto magnesium alloy surface towards third generation biomaterials. <i>Materials Letters</i> , 2016 , 164, 144-147	3.3	24
141	Multifaceted Implantable Anticancer Device for Potential Postsurgical Breast Cancer Treatment: A Single Platform for Synergistic Inhibition of Local Regional Breast Cancer Recurrence, Surveillance, and Healthy Breast Reconstruction. <i>Advanced Functional Materials</i> , 2018 , 28, 1704793	15.6	23
140	Simultaneous regeneration of calcium lactate and cellulose into PCL nanofiber for biomedical application. <i>Carbohydrate Polymers</i> , 2019 , 212, 21-29	10.3	22
139	Nanoscale Resolution 3D Printing with Pin-Modified Electrified Inkjets for Tailorable Nano/Macrohybrid Constructs for Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 12390-12405	9.5	22
138	Nanoceria doped electrospun antibacterial composite mats for potential biomedical applications. <i>Ceramics International</i> , 2014 , 40, 12003-12012	5.1	22
137	Design of novel electrode for capacitive deionization using electrospun composite titania/zirconia nanofibers doped-activated carbon. <i>Materials Letters</i> , 2018 , 213, 62-66	3.3	22
136	Immobilization of TiO ₂ nanofibers on reduced graphene sheets: Novel strategy in electrospinning. <i>Journal of Colloid and Interface Science</i> , 2015 , 457, 174-9	9.3	21
135	Nanosheet-based Fe ₂ O ₃ hierarchical structure decorated with TiO ₂ nanospheres via a simple one-pot route: Magnetically recyclable photocatalysts. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 143-147	5.7	21
134	RGO/Nylon-6 composite mat with unique structural features and electrical properties obtained from electrospinning and hydrothermal process. <i>Fibers and Polymers</i> , 2013 , 14, 970-975	2	21

133	Simultaneous synthesis of TiO ₂ microrods in situ decorated with Ag nanoparticles and their bactericidal efficiency. <i>Current Applied Physics</i> , 2012 , 12, 1106-1112	2.6	21
132	In vitro degradation behavior and cytocompatibility of a bioceramic anodization films on the biodegradable magnesium alloy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 488, 82-92	5.1	20
131	A mussel inspired self-expandable tubular hydrogel with shape memory under NIR for potential biomedical applications. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5373-5379	7.3	20
130	Fabrication and photocatalytic activity of electrospun nylon-6 nanofibers containing tourmaline and titanium dioxide nanoparticles. <i>Ceramics International</i> , 2013 , 39, 7143-7148	5.1	20
129	Conjugated polyaniline-assisted flexible titania nanotubes with controlled surface morphology as regenerative medicine in nerve cell growth. <i>Chemical Engineering Journal</i> , 2019 , 360, 701-713	14.7	20
128	Synthesis, characterizations, and biocompatibility evaluation of polycaprolactone/MXene electrospun fibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 586, 124282	5.1	19
127	Facile fabrication of spongy nanofibrous scaffold for tissue engineering applications. <i>Materials Letters</i> , 2018 , 219, 119-122	3.3	18
126	Bi-layered Nanofibers Membrane Loaded with Titanium Oxide and Tetracycline as Controlled Drug Delivery System for Wound Dressing Applications. <i>Polymers</i> , 2019 , 11,	4.5	18
125	One-pot hydrothermal synthesis of multifunctional Ag/ZnO/fly ash nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 469, 256-262	5.1	18
124	Biocompatible superparamagnetic sub-micron vaterite particles for thermo-chemotherapy: From controlled design to in vitro anticancer synergism. <i>Materials Science and Engineering C</i> , 2020 , 106, 110226	8.3	18
123	On-demand drug release from tailored blended electrospun nanofibers. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 52, 8-14	4.5	17
122	Layer - Structured partially reduced graphene oxide sheathed mesoporous MoS particles for energy storage applications. <i>Journal of Colloid and Interface Science</i> , 2018 , 518, 234-241	9.3	17
121	Preparation and characterization of LA/PCL composite fibers containing beta tricalcium phosphate (βTCP) particles. <i>Ceramics International</i> , 2014 , 40, 5049-5054	5.1	17
120	Microgravity biosynthesized penicillin loaded electrospun polyurethane/dextran nanofibrous mats for biomedical applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 477, 77-83	5.1	17
119	Preparation and characterization of (polyurethane/nylon-6) nanofiber/ (silicone) film composites via electrospinning and dip-coating. <i>Fibers and Polymers</i> , 2012 , 13, 339-345	2	17
118	Synthesis of polythiophene nanoparticles by surfactant-free chemical oxidative polymerization method: Characterization, in vitro biomineralization, and cytotoxicity evaluation. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 77, 243-252	6.3	16
117	Strategic design of a Mussel-inspired in situ reduced Ag/Au-Nanoparticle Coated Magnesium Alloy for enhanced viability, antibacterial property and decelerated corrosion rates for degradable implant Applications. <i>Scientific Reports</i> , 2019 , 9, 117	4.9	16
116	Regulating Electrical Cue and Mechanotransduction in Topological Gradient Structure Modulated Piezoelectric Scaffolds to Predict Neural Cell Response. <i>Advanced Functional Materials</i> , 2020 , 30, 1907330	15.6	16

115	Development of bioactive cellulose nanocrystals derived from dominant cellulose polymorphs I and II from <i>Capsosiphon Fulvescens</i> for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 531-539	7.9	16
114	Thromboresistant semi-IPN hydrogel coating: Towards improvement of the hemocompatibility/biocompatibility of metallic stent implants. <i>Materials Science and Engineering C</i> , 2019 , 99, 1274-1288	8.3	15
113	Fabrication of Antimicrobial Nanofiber Air Filter Using Activated Carbon and Cinnamon Essential Oil. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 4376-4380	1.3	15
112	Amorphous apatite thin film formation on a biodegradable Mg alloy for bone regeneration: strategy, characterization, biodegradation, and in vitro cell study. <i>RSC Advances</i> , 2016 , 6, 22563-22574	3.7	15
111	Hydrothermal growth of mop-brush-shaped ZnO rods on the surface of electrospun nylon-6 nanofibers. <i>Ceramics International</i> , 2013 , 39, 3095-3102	5.1	15
110	Single- and double-walled boron nitride nanotubes: Controlled synthesis and application for water purification. <i>Scientific Reports</i> , 2020 , 10, 7416	4.9	14
109	The controlled design of electrospun PCL/silk/quercetin fibrous tubular scaffold using a modified wound coil collector and L-shaped ground design for neural repair. <i>Materials Science and Engineering C</i> , 2020 , 111, 110776	8.3	14
108	Nano-Nets Covered Composite Nanofibers with Enhanced Biocompatibility and Mechanical Properties for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 529-537	1.3	14
107	Analysis of Drug Release Behavior Utilizing the Swelling Characteristics of Cellulosic Nanofibers. <i>Polymers</i> , 2019 , 11,	4.5	13
106	In Situ Biological Transmutation of Catalytic Lactic Acid Waste into Calcium Lactate in a Readily Processable Three-Dimensional Fibrillar Structure for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18197-18210	9.5	13
105	Nanographene enfolded AuNPs sophisticatedly synchronized polycaprolactone based electrospun nanofibre scaffold for peripheral nerve regeneration. <i>Materials Science and Engineering C</i> , 2020 , 116, 111213	8.3	13
104	Electromagnetic manipulation enabled calcium alginate Janus microsphere for targeted delivery of mesenchymal stem cells. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 465-471	7.9	13
103	Nature derived scaffolds for tissue engineering applications: Design and fabrication of a composite scaffold incorporating chitosan-g-d,l-lactic acid and cellulose nanocrystals from <i>Lactuca sativa</i> L. cv green leaf. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 504-513	7.9	13
102	Dual growth mode of boron nitride nanotubes in high temperature pressure laser ablation. <i>Scientific Reports</i> , 2019 , 9, 15674	4.9	13
101	Biomimetic synthesis of hollow calcium phosphate nanospheres on core-shell structured electrospun calcium lactate/nylon-6 nanofibers. <i>Materials Letters</i> , 2013 , 92, 90-93	3.3	13
100	An angled robotic dual-nozzle electrospinning set-up for preparing PU/PA6 composite fibers. <i>Textile Reseach Journal</i> , 2013 , 83, 311-320	1.7	13
99	Impact of Ultrasmall Platinum Nanoparticle Coating on Different Morphologies of Gold Nanostructures for Multiple One-Pot Photocatalytic Environment Protection Reactions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 389-399	9.5	13
98	Short duration cancer treatment: inspired by a fast bio-resorbable smart nano-fiber device containing NIR lethal polydopamine nanospheres for effective chemo-photothermal cancer therapy. <i>International Journal of Nanomedicine</i> , 2018 , 13, 6375-6390	7.3	13

97	Robust Multimetallic Plasmonic Core-Satellite Nanodendrites: Highly Effective Visible-Light-Induced Colloidal CO ₂ Photoconversion System. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8604-8614	8.3	13
96	Albumin-induced exfoliation of molybdenum disulfide nanosheets incorporated polycaprolactone/zein composite nanofibers for bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2020 , 116, 111162	8.3	12
95	Development of Nanofiber Reinforced Double Layered Cabin Air Filter Using Novel Upward Mass Production Electrospinning Set Up. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2132-2136	1.3	12
94	Inactivation of bacteria in batch suspension by fluidized ceramic tourmaline nanoparticles under oscillating radio frequency electric fields. <i>Ceramics International</i> , 2013 , 39, 2141-2145	5.1	12
93	Functionalized Non-vascular Nitinol Stent via Electropolymerized Polydopamine Thin Film Coating Loaded with Bortezomib Adjunct to Hyperthermia Therapy. <i>Scientific Reports</i> , 2017 , 7, 9432	4.9	12
92	Nitrogen-doped, FeNi alloy nanoparticle-decorated graphene as an efficient and stable electrode for electrochemical supercapacitors in acid medium. <i>Nanoscale Research Letters</i> , 2015 , 10, 104	5	12
91	Poly(ε-Caprolactone)/Poly(Glycerol Sebacate) Composite Nanofibers Incorporating Hydroxyapatite Nanoparticles and Simvastatin for Bone Tissue Regeneration and Drug Delivery Applications. <i>Polymers</i> , 2020 , 12,	4.5	12
90	Engineered cellular microenvironments from functionalized multiwalled carbon nanotubes integrating Zein/Chitosan @Polyurethane for bone cell regeneration. <i>Carbohydrate Polymers</i> , 2021 , 251, 117035	10.3	12
89	A dual-channel colorimetric and ratiometric fluorescence chemosensor for detection of Hg ion and its bioimaging applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 257, 119776	4.4	12
88	Fabrication and characterization of silver nanoparticle-incorporated bilayer electrospun/hot-blown micro/nanofibrous membrane. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017 , 66, 514-520	3	11
87	Design and application of a smart nanodevice by combining cationic drug delivery and hyperthermia for cancer apoptosis. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 785-792	7.3	11
86	UV Light Assisted Coating Method of Polyphenol Caffeic Acid and Mediated Immobilization of Metallic Silver Particles for Antibacterial Implant Surface Modification. <i>Polymers</i> , 2019 , 11,	4.5	11
85	Incorporation of silver-loaded ZnO rods into electrospun nylon-6 spider-web-like nanofibrous mat using hydrothermal process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 434, 49-55	5.1	11
84	Synthesis of polypyrrole nanorods via sacrificial removal of aluminum oxide nanopore template: A study on cell viability, electrical stimulation and neuronal differentiation of PC12 cells. <i>Materials Science and Engineering C</i> , 2020 , 107, 110325	8.3	11
83	Design of a modified electrospinning for the in-situ fabrication of 3D cotton-like collagen fiber bundle mimetic scaffold. <i>Materials Letters</i> , 2019 , 236, 521-525	3.3	11
82	Formation of lipophilic drug-loaded human serum albumin nanofibers with the aid of glutathione. <i>Chemical Engineering Journal</i> , 2017 , 313, 753-758	14.7	10
81	Implantable chemothermal brachytherapy seeds: A synergistic approach to brachytherapy using polymeric dual drug delivery and hyperthermia for malignant solid tumor ablation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 129, 191-203	5.7	10
80	Influence of lactic acid on degradation and biocompatibility of electrospun poly(ε-caprolactone) fibers. <i>Polymer International</i> , 2014 , 63, 1212-1218	3.3	10

79	Creation of a functional graded nanobiomembrane using a new electrospinning system for drug release control and an in vitro validation of drug release behavior of the coating membrane. <i>Materials Science and Engineering C</i> , 2015 , 50, 133-40	8.3	10
78	Structural Packaging Technique Using Biocompatible Nanofiber with Essential Oil to Prolong the Shelf-Life of Fruit. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2228-2231	1.3	10
77	Electrospun badger (Meles meles) oil/Ag nanoparticle based anti-bacterial mats for biomedical applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 254-260	6.3	9
76	Simple fabrication of Ag nanoparticle-impregnated electrospun nanofibres as SERS substrates. <i>Bulletin of Materials Science</i> , 2015 , 38, 267-270	1.7	9
75	Optimization of Electropolishing on NiTi Alloy Stents and Its Influence on Corrosion Behavior. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 2333-339	1.3	9
74	Integrated design and fabrication strategies for biomechanically and biologically functional PLA/βTCP nanofiber reinforced GelMA scaffold for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 976-985	7.9	9
73	Functional composite nanofibers loaded with βTCP and SIM as a control drug delivery system. <i>Materials Letters</i> , 2019 , 240, 25-29	3.3	9
72	The impact of humidity on the generation and morphology of the 3D cotton-like nanofibrous piezoelectric scaffold via an electrospinning method. <i>Materials Letters</i> , 2019 , 236, 510-513	3.3	9
71	Remotely controlled self-powering electrical stimulators for osteogenic differentiation using bone inspired bioactive piezoelectric whitlockite nanoparticles. <i>Nano Energy</i> , 2021 , 85, 105901	17.1	9
70	Strategic Design and Fabrication of Biomimetic 3D Scaffolds: Unique Architectures of Extracellular Matrices for Enhanced Adipogenesis and Soft Tissue Reconstruction. <i>Scientific Reports</i> , 2018 , 8, 5696	4.9	8
69	Needle-free transdermal delivery using PLGA nanoparticles: effect of particle size, injection pressure and syringe orifice diameter. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 710-5	6	8
68	Fly ash/polyurethane thin film for the adsorption of volatile organic compounds (VOCs) from air. <i>Fibers and Polymers</i> , 2014 , 15, 1393-1398	2	8
67	Analysis of stress distribution around total hip stems custom-designed for the standardized Asian femur configuration. <i>Biotechnology and Biotechnological Equipment</i> , 2014 , 28, 525-532	1.6	8
66	Engineering a novel bilayer membrane for bone defects regeneration. <i>Materials Letters</i> , 2016 , 180, 268-272	3.7	7
65	Microcylinder-laden gelatin-based bioink engineered for 3D bioprinting. <i>Materials Letters</i> , 2018 , 233, 24-27	3.3	7
64	Novel robot-assisted angled multi-nozzle electrospinning set-up: computer simulation with experimental observation of electric field and fiber morphology. <i>Textile Research Journal</i> , 2014 , 84, 1044-1058	1.7	7
63	Effect of annealing on the phase transition and morphology of Ag NPs on/in TiO ₂ rods synthesized by a polyol method. <i>Ceramics International</i> , 2012 , 38, 6365-6375	5.1	7
62	Simple conversion of 3D electrospun nanofibrous cellulose acetate into a mechanically robust nanocomposite cellulose/calcium scaffold. <i>Carbohydrate Polymers</i> , 2021 , 253, 117191	10.3	7

61	Harnessing Nanotopography of Electrospun Nanofibrous Nerve Guide Conduits (NGCs) for Neural Tissue Engineering. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1078, 395-408	3.6	7
60	Biomedical Grade Stainless Steel Coating of Polycyclic Acid via Combined Oxidative and Ultraviolet Light-Assisted Polymerization Process for Bioactive Implant Application. <i>Polymers</i> , 2019 , 11,	4.5	6
59	Development of a novel drug-eluting stent consisting of an abluminal and luminal coating layer dual therapy system. <i>RSC Advances</i> , 2015 , 5, 40700-40707	3.7	6
58	Development of In-Situ Poled Nanofiber Based Flexible Piezoelectric Nanogenerators for Self-Powered Motion Monitoring. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3493	2.6	6
57	Strategic harmonization of silica shell stabilization with Pt embedding on AuNPs for efficient artificial photosynthesis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5734-5743	13	6
56	Mussel inspired locomotive: the moisture induced actuation in a poly(vinyl alcohol) film containing melanin-like dopamine nano spheres. <i>RSC Advances</i> , 2016 , 6, 65089-65094	3.7	6
55	-substituted sulfonic acid-doped protonated emeraldine salt nanobuds: a potent neural interface targeting PC12 cell interactions and promotes neuronal cell differentiation. <i>Biomaterials Science</i> , 2021 , 9, 1691-1704	7.4	6
54	A multifunctional, one-step gas foaming strategy for antimicrobial silver nanoparticle-decorated 3D cellulose nanofiber scaffolds. <i>Carbohydrate Polymers</i> , 2021 , 273, 118603	10.3	6
53	Covalent Surface Functionalization of Bovine Serum Albumin to Magnesium Surface to Provide Robust Corrosion Inhibition and Enhance In Vitro Osteo-Inductivity. <i>Polymers</i> , 2020 , 12,	4.5	5
52	Fabrication of Antibacterial Nanofibrous Membrane Infused with Essential Oil Extracted from Tea Tree for Packaging Applications. <i>Polymers</i> , 2020 , 12,	4.5	5
51	Characterization and biostability of HA/Ti6Al4V ACL anchor prepared by simple heat-treatment. <i>Ceramics International</i> , 2012 , 38, 5385-5391	5.1	5
50	Merging 3D printing with electrospun biodegradable small-caliber vascular grafts immobilized with VEGF. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 30, 102306	6	5
49	Investigation of Composite Nano Air Filter for Improving Antimicrobial Activity and Reducing VOCs Using a High Speed Upward Electrospinning System. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 697-700	1.3	5
48	Bimetallic-graphene sandwiched core-satellite colloidal nanodendrites as an efficient visible-NIR-sun light active photo-system for carbon dioxide reduction. <i>Chemical Communications</i> , 2018 , 54, 1571-1574	5.8	5
47	In-situ cellulose-framework templates mediated monodispersed silver nanoparticles via facile UV-light photocatalytic activity for anti-microbial functionalization. <i>Carbohydrate Polymers</i> , 2021 , 269, 118255	10.3	5
46	A portable and computer-simulation analysis for the real-time measurement of the QCMD systems for the biomedical application. <i>Sensing and Bio-Sensing Research</i> , 2018 , 21, 75-81	3.3	4
45	Assessing the effect of catalytic materials on the scaling of carbon steel. <i>Desalination</i> , 2013 , 313, 189-198	80.3	4
44	Effect of laser polishing on the surface roughness and corrosion resistance of Nitinol stents. <i>Bio-Medical Materials and Engineering</i> , 2015 , 25, 67-75	1	4

43	Electrospun gelatin/nylon-6 composite nanofibers for biomedical applications. <i>Polymer International</i> , 2012 , 62, n/a-n/a	3.3	4
42	Development of Y-shaped small diameter artificial blood vessel with controlled topography via a modified electrospinning method. <i>Materials Letters</i> , 2020 , 264, 127113	3.3	4
41	Hexa-functional tumour-seeking nano voyagers and annihilators for synergistic cancer theranostic applications. <i>Nanoscale</i> , 2018 , 10, 19568-19578	7.7	4
40	Multifunctional Trimetallic Colloidal Plasmonic Nanohybrid: Highly Efficient Photocatalyst and Photothermal Agent. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800331	4.6	4
39	Assembly of porous graphitic carbon nitride nanosheets into electrospun polycaprolactone nanofibers for bone tissue engineering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 622, 126584	5.1	4
38	Harnessing the Topography of 3D Spongy-Like Electrospun Bundled Fibrous Scaffold via a Sharply Inclined Array Collector. <i>Polymers</i> , 2019 , 11,	4.5	3
37	Antimicrobial Electrospun Nanofibrous Mat Based on Essential Oils for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 5376-5380	1.3	3
36	One-Pot Solvent-Free Synthesis of N,N-Bis(2-Hydroxyethyl) Alkylamide from Triglycerides Using Zinc-Doped Calcium Oxide Nanospheroids as a Heterogeneous Catalyst. <i>Catalysts</i> , 2019 , 9, 774	4	3
35	Phenol-Boronic surface functionalization of gold nanoparticles; to induce ROS damage while inhibiting the survival mechanisms of cancer cells. <i>International Journal of Pharmaceutics</i> , 2021 , 596, 120267	6.5	3
34	Fabrication of a Micro/Nano-Net Membrane Using Cellulose Nanocrystals Derived from Seaweed. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2232-2235	1.3	3
33	Tauroursodeoxycholic acid induces angiogenic activity in endothelial cells and accelerates bone regeneration. <i>Bone</i> , 2020 , 130, 115073	4.7	3
32	Simple and rapid synthesis of mesoporous nanosheet-based ZnO hierarchical structure loaded with metal nanoparticles. <i>Ceramics International</i> , 2015 , 41, 2022-2027	5.1	2
31	One-pot solvent-free transformation of natural triglycerides to ester and amide derivatives over CaO@KC nanostructured catalysts. <i>International Journal of Energy Research</i> , 2020 , 44, 4568-4585	4.5	2
30	Design and development of an electro magnetic manipulation system to actuate bioengineered magnetic micro/nanoparticles. <i>Journal of Mechanical Science and Technology</i> , 2018 , 32, 1693-1703	1.6	2
29	Gold nanoparticles-platinum nanodots-graphene interfaced spherical colloidal nanodendrites: Synthesis and studies for plasmonic multiple photo-system modality. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 65, 244-253	6.3	2
28	A novel morphology of 3D graphene hydrogel nanotubes for high-performance nonenzymatic hydrogen peroxide sensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 79, 245-254	6.3	2
27	Accelerated in vitro durability testing of nonvascular Nitinol stents based on the electrical potential sensing method. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 919-926	2.6	2
26	A novel electrical potential sensing method for in vitro stent fracture monitoring and detection. <i>Bio-Medical Materials and Engineering</i> , 2011 , 21, 213-22	1	2

25	Solvent-free $K_2CO_3/Ca(OH)_2$ mixed-phase nanocatalytic single-step methanolysis, ethanolysis and aminolysis of Pongamia pinnata triglycerides. <i>Sustainable Chemistry and Pharmacy</i> , 2020 , 18, 100317	3.9	2
24	Fabrication of Bioabsorbable Polylactic-Co-Glycolic Acid/Polycaprolactone Nanofiber Coated Stent and Investigation of Biodegradability in Porcine Animal Model. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 5360-5364	1.3	2
23	Drug free anti-cell proliferative and anti-platelet adhesion coating for vascular stents via polymeric electrospun fibers. <i>Materials Letters</i> , 2021 , 291, 129545	3.3	2
22	HSPA1A-siRNA nucleated gold nanorods for stimulated photothermal therapy through strategic heat shock to HSP70. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6461-6470	7.8	2
21	Engineering 2D approaches fibrous platform incorporating turmeric and polyaniline nanoparticles to predict the expression of β -Tubulin and TREK-1 through qRT-PCR to detect neuronal differentiation of PC12 cells. <i>Materials Science and Engineering C</i> , 2021 , 127, 112176	8.3	2
20	Biomimetic Cell-Substrate of Chitosan-Cross-linked Polyaniline Patterning on TiO Nanotubes Enables hBM-MSCs to Differentiate the Osteoblast Cell Type. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47100-47117	9.5	2
19	Fabrication of 3D Electrospun Polycaprolactone Sponge Incorporated with Pt@AuNPs for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 3989-3993	1.3	1
18	Design and Development of a Cylinder Type Electrospinning Device for the Mass Production of Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 3982-3986	1.3	1
17	Magnetic Polishing of Titanium-Nickel Alloy Stents: Surface Characterization and Catheter Deployment Test. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 3006-3010	2.3	1
16	Deposition behavior of self-assembled monolayers and bacteria on metallic surfaces using an electrochemical quartz crystal nanobalance. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1354-1358	1.3	1
15	Silver nanoparticles decorated reduced graphene oxide: Eco-friendly synthesis, characterization, biological activities and embryo toxicity studies.. <i>Environmental Research</i> , 2022 , 210, 112864	7.9	1
14	A bimetallic load-bearing bioceramics of TiO @ ZrO integrated polycaprolactone fibrous tissue construct exhibits anti bactericidal effect and induces osteogenesis in MC3T3-E1 cells. <i>Materials Science and Engineering C</i> , 2021 , 131, 112501	8.3	1
13	Synthesis of Uprightly Grown Hierarchical Multi-Metallic Nano-Needles on Electrospun Fiber Surface. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 4432-4435	1.3	1
12	Sustainable heterogeneously catalyzed single-step and two-step amide derivatives of non-edible natural triglycerides as dual-functional diesel fuel additives. <i>Industrial Crops and Products</i> , 2020 , 158, 113001	5.9	1
11	Polyvinylidene fluoride/silk fibroin-based bio-piezoelectric nanofibrous scaffolds for biomedical application. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2021 , 15, 869-877	4.4	1
10	QCN-Based Analysis for Predicting the Quality of Resulting Electrospun Nanofiber: Effect of Real-Time Transient Rheological Properties of Precursor Solution on Electrospinning. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2399-2403	1.3	
9	Hydrothermally Synthesized Magnetically Separable RGO Supported Nanocomposite for Water Purification. <i>Advanced Materials Research</i> , 2015 , 1088, 540-543	0.5	
8	Quartz Crystal Nanobalance-Dissipation Based Simulation Model as Pre-Clinical Modality for Blood Coagulation Behavior for Evaluation of the Risk of Thrombosis. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 5322-5328	1.3	

- 7 Preliminary Study for Measurement of Shear Stress and Hemocompatibility Using Commercialized Lab on a Chip. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 1123-1126 1.3
- 6 Engineered Celery-Structured Electrospun Fibers Surface and Its Initial Cell Attachment Ability Effect. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 4336-4339 1.3
- 5 Fabrication of Three-Dimensional Alginate Porous Scaffold Incorporated with Decellularized Cornu Cervi Pantotrichum Particle for Bone Tissue Engineering. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 5356-5359 1.3
- 4 Real Time Monitoring of the Biocompatibility Behavior of Modified Titanium Oxide Surfaces Using Electrochemical Quartz Crystal Nanobalance (EQCN). *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 3975-3981 1.3
- 3 Reduced Graphene Sheets Decorated with ZnO Flowers by Hydrothermal Process1-10
- 2 Development of Highly Expandable Wrinkled Nanofiber Mat Using Metal Bundle Collector. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 4227-4230 1.3
- 1 Development of electrospun core-shell polymeric mat using poly (ethyl-2) cyanoacrylate/polyurethane to attenuate biological adhesion on polymeric mesh implants. *Materials Science and Engineering C*, **2021**, 122, 111930 8.3