

Chan Hee Park

List of Publications by Year in Descending Order

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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.

147
papers

4,304
citations

39
h-index

60
g-index

157
ext. papers

5,181
ext. citations

6.3
avg, IF

6.07
L-index

#	Paper	IF	Citations
147	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
146	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
145	Development of electrospun core-shell polymeric mat using poly (ethyl-2) cyanoacrylate/polyurethane to attenuate biological adhesion on polymeric mesh implants. <i>Materials Science and Engineering C</i> , 2021 , 122, 111930	8.3	
144	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
143	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
142	Regenerated cellulose nanofiber reinforced chitosan hydrogel scaffolds for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2021 , 251, 117023	10.3	56
141	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
140	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
139	-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
138	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
137	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
136	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
135	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
134	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
133	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
132	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
131	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

130	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
129	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
128	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
127	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
126	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
125	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
124	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
123	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
122	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
121	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
120	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
119	Fabrication of Antibacterial Nanofibrous Membrane Infused with Essential Oil Extracted from Tea Tree for Packaging Applications. <i>Polymers</i> , 2020 , 12,	4.5	5
118	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
117	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	
116	Engineered Celery-Structured Electrospun Fibers Surface and Its Initial Cell Attachment Ability Effect. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 4336-4339	1.3	
115	Fabrication of Three-Dimensional Alginate Porous Scaffold Incorporated with Decellularized Cornu Cervi Pantotrichum Particle for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 5356-5359	1.3	
114	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
113	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

112	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
111	Supramolecular Caffeic Acid and Bortezomib Nanomedicine: Prodrug Inducing Reactive Oxygen Species and Inhibiting Cancer Cell Survival. <i>Pharmaceutics</i> , 2020 , 12,	6.4	4
110	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
109	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
108	Development of Highly Expandable Wrinkled Nanofiber Mat Using Metal Bundle Collector. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 4227-4230	1.3	
107	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
106	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
105	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
104	Analysis of Drug Release Behavior Utilizing the Swelling Characteristics of Cellulosic Nanofibers. <i>Polymers</i> , 2019 , 11,	4.5	13
103	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
102	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
101	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
100	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
99	Biomedical Grade Stainless Steel Coating of Polycaffeic Acid via Combined Oxidative and Ultraviolet Light-Assisted Polymerization Process for Bioactive Implant Application. <i>Polymers</i> , 2019 , 11,	4.5	6
98	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	
97	Simultaneous regeneration of calcium lactate and cellulose into PCL nanofiber for biomedical application. <i>Carbohydrate Polymers</i> , 2019 , 212, 21-29	10.3	22
96	Composite PCL/HA/simvastatin electrospun nanofiber coating on biodegradable Mg alloy for orthopedic implant application 2019 , 16, 477-489		41
95	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

94	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
93	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
92	Polydopamine-based Implantable Multifunctional Nanocarpet for Highly Efficient Photothermal-chemo Therapy. <i>Scientific Reports</i> , 2019 , 9, 2943	4.9	30
91	Nanofiber-based anticancer drug delivery platform 2019 , 11-36		1
90	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
89	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
88	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
87	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
86	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
85	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
84	Fabrication of transparent hemispherical 3D nanofibrous scaffolds with radially aligned patterns via a novel electrospinning method. <i>Scientific Reports</i> , 2018 , 8, 3424	4.9	37
83	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
82	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
81	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
80	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
79	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
78	Facile synthesis of TiO/ZrO 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
77	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

76	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
75	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
74	A Review on Properties of Natural and Synthetic Based Electrospun Fibrous Materials for Bone Tissue Engineering. <i>Membranes</i> , 2018 , 8,	3.8	131
73	Rational design of bone extracellular matrix mimicking tri-layered composite nanofibers for bone tissue regeneration. <i>Chemical Engineering Journal</i> , 2018 , 350, 812-823	14.7	41
72	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
71	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
70	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
69	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
68	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
67	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
66	Hexa-functional tumour-seeking nano voyagers and annihilators for synergistic cancer theranostic applications. <i>Nanoscale</i> , 2018 , 10, 19568-19578	7.7	4
65	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
64	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
63	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
62	Multifunctional Trimetallic Colloidal Plasmonic Nanohybrid: Highly Efficient Photocatalyst and Photothermal Agent. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800331	4.6	4
61	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
60	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
59	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

58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	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
50	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
49	Electrospun Nanofibrous Nerve Conduits 2017 , 207-234		
48	Real Time Monitoring of the Biocompatibility Behavior of Modified Titanium Oxide Surfaces Using Electrochemical Quartz Crystal Nanobalance (EQCN). <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 3975-3981	1.3	
47	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
46	Multifunctional Nanocarpet for Cancer Theranostics: Remotely Controlled Graphene Nanoheaters for Thermo-Chemosensitisation and Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2016 , 6, 20543	4.9	66
45	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
44	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
43	Electrospun zwitterionic nanofibers with in situ decelerated epithelialization property for non-adherent and easy removable wound dressing application. <i>Chemical Engineering Journal</i> , 2016 , 287, 640-648	14.7	65
42	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
41	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

40	Nanoengineered bioactive 3D composite scaffold: A unique combination of graphene oxide and nanotopography for tissue engineering applications. <i>Composites Part B: Engineering</i> , 2016 , 90, 503-511	10	38
39	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
38	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
37	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
36	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
35	Three-dimensional cellulose sponge: Fabrication, characterization, biomimetic mineralization, and in vitro cell infiltration. <i>Carbohydrate Polymers</i> , 2016 , 136, 154-62	10.3	55
34	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
33	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
32	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
31	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
30	Deposition of ZnO flowers on the surface of g-C ₃ N ₄ sheets via hydrothermal process. <i>Ceramics International</i> , 2015 , 41, 12923-12929	5.1	41
29	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
28	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
27	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
26	Electrospun badger (<i>Meles meles</i>) 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
25	Hydrothermally Synthesized Magnetically Separable RGO Supported Nanocomposite for Water Purification. <i>Advanced Materials Research</i> , 2015 , 1088, 540-543	0.5	
24	Mussel-Inspired Electrospun Smart Magnetic Nanofibers for Hyperthermic Chemotherapy. <i>Advanced Functional Materials</i> , 2015 , 25, 2867-2875	15.6	64
23	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

22	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
21	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
20	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
19	Electrospun polyurethane/Eudragit 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
18	Comparative analysis for evaluating the traceability of interventional devices using blood vessel phantom models made of PVA-H or silicone. <i>Technology and Health Care</i> , 2015 , 23 Suppl 2, S301-10	1.1	5
17	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
16	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
15	Processing and characterization of electrospun graphene oxide/polyurethane composite nanofibers for stent coating. <i>Chemical Engineering Journal</i> , 2015 , 270, 336-342	14.7	57
14	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
13	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
12	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
11	Nanoceria doped electrospun antibacterial composite mats for potential biomedical applications. <i>Ceramics International</i> , 2014 , 40, 12003-12012	5.1	22
10	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
9	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
8	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
7	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
6	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
5	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

4	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
3	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
2	Synthesis, characterization, and photocatalytic properties of ZnO nano-flower containing TiO2 NPs. <i>Ceramics International</i> , 2012 , 38, 2943-2950	5.1	71
1	Reduced Graphene Sheets Decorated with ZnO Flowers by Hydrothermal Process1-10		