

CITATION REPORT

List of articles citing

Electrospinning of Nanofibers: Reinventing the Wheel?

DOI: 10.1002/adma.200400719
Advanced Materials, 2004, 16, 1151-1170.

Source: <https://exaly.com/paper-pdf/37099352/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
2306	Rotational dynamics of optically trapped nanofibers. 2010 , 18, 822		
2305	Rotational dynamics of optically trapped nanofibers. 2010 , 18, 822		
2304	Rotational dynamics of optically trapped nanofibers. 2010 , 18, 822		
2303	Rotational dynamics of optically trapped nanofibers. 2010 , 18, 822		
2302	Electrostatic Spinning, Pyrolysis, and Characterization of Boron Carbide Nanofibers Prepared from Poly(norbornenyldecaborane) - a Polymeric Ceramic Precursor. 2004 , 848, 294		
2301	Welding and patterning in a flash. 2004 , 3, 753-4		49
2300	Use of electrospinning to directly fabricate hollow nanofibers with functionalized inner and outer surfaces. 2005 , 1, 83-6		237
2299	Nanofibers of Conjugated Polymers Prepared by Electrospinning with a Two-Capillary Spinneret. <i>Advanced Materials</i> , 2004 , 16, 2062-2066	24	299
2298	Fabrication of Ultrathin ZrO. 2005 , 18, 503-506		14
2297	Novel nanocomposites and nanoceramics based on polymer nanofibers using electrospinning process: A review. 2005 , 167, 283-293		582
2296	Processing and characterization of electrospun Y2O3-stabilized ZrO2 (YSZ) and Gd2O3-doped CeO2 (GDC) nanofibers. 2005 , 123, 252-258		46
2295	Microscopic polymer cups by electrospinning. 2005 , 46, 3211-3214		60
2294	pH-responsive swelling behavior of poly(vinyl alcohol)/poly(acrylic acid) bi-component fibrous hydrogel membranes. 2005 , 46, 5149-5160		165
2293	Deformation processes of ultrahigh porous multiwalled carbon nanotubes/polycarbonate composite fibers prepared by electrospinning. 2005 , 46, 7346-7351		98
2292	Correlations between electrospinnability and physical gelation. 2005 , 46, 8990-9004		99
2291	Morphology of a hydrogen-bonded LC polymer prepared by photopolymerization-induced phase separation under an isotropic phase. 2005 , 46, 10378-10382		21
2290	Encapsulation of self-assembled FePt magnetic nanoparticles in PCL nanofibers by coaxial electrospinning. 2005 , 415, 317-322		97

2289	Carbon nanotube core-polymer shell nanofibers. 2005 , 96, 1992-1995		36
2288	Fe ₂ O ₃ Nanotubes in Gas Sensor and Lithium-Ion Battery Applications. <i>Advanced Materials</i> , 2005 , 17, 582-586	24	1464
2287	Preparation of Boron-Carbide/Carbon Nanofibers from a Poly(norbornenyldecaborane) Single-Source Precursor via Electrostatic Spinning. <i>Advanced Materials</i> , 2005 , 17, 859-862	24	61
2286	Self-Crimping Bicomponent Nanofibers Electrospun from Polyacrylonitrile and Elastomeric Polyurethane. <i>Advanced Materials</i> , 2005 , 17, 2699-2703	24	167
2285	Anisotropic Dimensional Swelling of Membranes of Ultrafine Hydrogel Fibers. 2005 , 206, 1745-1751		16
2284	Fabrication of Electrically Conducting Polypyrrole-Poly(ethylene oxide) Composite Nanofibers. 2005 , 26, 1599-1603		72
2283	Unique surface morphology of electrospun polystyrene fibers from an N,N-dimethylformamide solution. 2005 , 13, 533-537		21
2282	Electrospun cellulose nanofiber as affinity membrane. 2005 , 265, 115-123		455
2281	Application of electrospun silk fibroin nanofibers as an immobilization support of enzyme. 2005 , 6, 181-185		78
2280	Nano- and micro-fiber combined scaffolds: a new architecture for bone tissue engineering. 2005 , 16, 1099-104		278
2279	Electrospinning of polystyrene/poly(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylene vinylene) blends. 2005 , 43, 1881-1891		34
2278	Study on correlation of morphology of electrospun products of polyacrylamide with ultrahigh molecular weight. 2005 , 43, 2190-2195		48
2277	Electrospinning of methacrylate-based copolymers: Effects of solution concentration and applied electrical potential on morphological appearance of as-spun fibers. 2005 , 45, 1073-1080		25
2276	Fabrication of DNA Nanofibers on a Planar Surface by Electrospinning. 2005 , 44, L860-L862		15
2275	Friction transfer deposition of ordered conjugated polymer nanowires and transistor fabrication. 2005 , 87, 062101		29
2274	Nanofibril Formation of Electrospun TiO ₂ Fibers and its Application to Dye-Sensitized Solar Cells. 2005 , 42, 1529-1540		41
2273	Direct fabrication of enzyme-carrying polymer nanofibers by electrospinning. 2005 , 15, 3241		102
2272	Fabrication and Characterization of Molybdenum Oxide Nanofibers by Electrospinning. 2005 , 900, 1		1

2271	Synthesis of classes of ternary metal oxide nanostructures. 2005 , 5721-35	148
2270	Polymer nanofibers by soft lithography. 2005 , 87, 123109	31
2269	TiO ₂ single-crystalline nanorod electrode for quasi-solid-state dye-sensitized solar cells. 2005 , 87, 113113	133
2268	One-Dimensional Arrangement of Gold Nanoparticles by Electrospinning. 2005 , 17, 4949-4957	176
2267	White-light emission of polyvinyl alcohol/ZnO hybrid nanofibers prepared by electrospinning. 2005 , 87, 113115	178
2266	Ag(I) N-heterocyclic carbene complexes: synthesis, structure, and application. 2005 , 105, 3978-4008	906
2265	Fabrication and endothelialization of collagen-blended biodegradable polymer nanofibers: potential vascular graft for blood vessel tissue engineering. 2005 , 11, 1574-88	314
2264	Poly[bis(2,2,2-trifluoroethoxy)phosphazene] superhydrophobic nanofibers. 2005 , 21, 11604-7	175
2263	Electrospun poly(styrene-block-dimethylsiloxane) block copolymer fibers exhibiting superhydrophobicity. 2005 , 21, 5549-54	431
2262	Superhydrophobic Fabrics Produced by Electrospinning and Chemical Vapor Deposition. 2005 , 38, 9742-9748	619
2261	Electrospinning of poly(lactic acid) stereocomplex nanofibers. 2006 , 7, 3316-20	154
2260	Electrospinning of polymer nanofibres from multiple jets on a porous tubular surface. 2006 , 17, 1123-7	226
2259	Fibrous TiO ₂ -SiO ₂ nanocomposite photocatalyst. 2006 , 4483-5	56
2258	Controlled Growth of Aligned Arrays of Cu ₂ S Nanorods. 2006 , 6, 1931-1935	45
2257	In situ growth of ZnO nanocrystals from solid electrospun nanofiber matrixes. 2006 , 22, 7331-4	31
2256	Myotube assembly on nanofibrous and micropatterned polymers. 2006 , 6, 537-42	272
2255	Poly(m-Phenylene Isophthalamide) Ultrafine Fibers from an Ionic Liquid Solution by Dry-Jet-Wet-Electrospinning. 2006 , 45, 573-579	15
2254	Linear attachment of Li ⁺ + V ₂ O ₅ nanosheets to 1-dimensional (1D) arrays: fabrication, characterization, and electrochemical properties. 2006 , 16, 4361-4366	26

2253	Nanofiber Manufacturing: Toward Better Process Control. 2006 , 7-20	8
2252	Preparation of biopolymer fibers by electrospinning from room temperature ionic liquids. 2006 , 7, 415-8	230
2251	Bio-inspired Nanomaterials. 2006 , 427-466	
2250	Stability improvement of electrospun chitosan nanofibrous membranes in neutral or weak basic aqueous solutions. 2006 , 7, 2710-4	179
2249	Hydrothermal synthesis and characterization of nanorods of various titanates and titanium dioxide. 2006 , 110, 4030-8	258
2248	NANOFIBROUS MATERIALS AND THEIR APPLICATIONS. 2006 , 36, 333-368	520
2247	Electrospinning of Styrene-Isoprene Copolymeric Thermoplastic Elastomers. 2006 , 38, 961-969	12
2246	Evolution of a compound droplet attached to a core-shell nozzle under the action of a strong electric field. 2006 , 18, 062101	103
2245	Fabrication and characterization of polycrystalline WO ₃ nanofibers and their application for ammonia sensing. 2006 , 110, 23777-82	219
2244	Synthesis and Assembly of Metal Nanoparticles on Electrospun Poly(4-vinylpyridine) Fibers and Poly(4-vinylpyridine) Composite Fibers. 2006 , 18, 2008-2011	81
2243	Fabrication and mechanical property of nano piezoelectric fibres. 2006 , 17, 4497-4501	86
2242	Gelatin and gelatin-hyaluronic acid nanofibrous membranes produced by electrospinning of their aqueous solutions. 2006 , 7, 2243-7	142
2241	Long TiO ₂ hollow fibers with mesoporous walls: sol-gel combined electrospun fabrication and photocatalytic properties. 2006 , 110, 11199-204	214
2240	Direct electrospinning of ultrafine titania fibres in the absence of polymer additives and formation of pure anatase titania fibres at low temperature. 2006 , 17, 439-443	49
2239	Coaxial electrospinning of (fluorescein isothiocyanate-conjugated bovine serum albumin)-encapsulated poly(epsilon-caprolactone) nanofibers for sustained release. 2006 , 7, 1049-57	429
2238	Scaling Laws in Electrospinning of Polystyrene Solutions. 2006 , 39, 7662-7672	141
2237	Electrohydrodynamic atomization: an approach to growing continuous self-supporting polymeric fibers. 2006 , 110, 2522-8	30
2236	Controlling poly(p-phenylene vinylene)/poly(vinyl pyrrolidone) composite nanofibers in different morphologies by electrospinning. 2006 , 89, 053101	40

2235	Nanoporous, Honeycomb-Structured Network Fibers Spun from Semiflexible, Ultrahigh Molecular Weight, Disubstituted Aromatic Polyacetylenes: Superhierarchical Structure and Unique Optical Anisotropy. 2006 , 18, 5537-5542	49
2234	Generation of Molecular Recognition Sites in Electrospun Polymer Nanofibers via Molecular Imprinting. 2006 , 39, 357-361	95
2233	Incorporation of Vanadium Oxide in Silica Nanofiber Mats via Electrospinning and Sol-Gel Synthesis. 2006 , 2006, 1-10	13
2232	Nanofibrous Membranes Containing Reactive Groups: Electrospinning from Poly(acrylonitrile-co-maleic acid) for Lipase Immobilization. 2006 , 39, 1041-1045	111
2231	Fabrication, assembly, and electrical characterization of CuO nanofibers. 2006 , 89, 133125	111
2230	Encapsulation and selective recognition of molecularly imprinted theophylline and 17beta-estradiol nanoparticles within electrospun polymer nanofibers. 2006 , 22, 8960-5	80
2229	Encapsulation of bacteria and viruses in electrospun nanofibres. 2006 , 17, 4675-81	164
2228	Near-field electrospinning. 2006 , 6, 839-42	564
2227	Molecular recognition in poly(epsilon-caprolactone)-based thermoplastic elastomers. 2006 , 7, 3385-95	59
2226	Phospholipid nonwoven electrospun membranes. 2006 , 311, 353-5	245
2225	Mechano-morphological studies of aligned nanofibrous scaffolds of polycaprolactone fabricated by electrospinning. 2006 , 17, 969-84	142
2224	Self-Assembled Structures in Electrospun Poly(styrene-block-isoprene) Fibers. 2006 , 39, 5453-5457	64
2223	Formation of polymer microrods in shear flow by emulsification--solvent attrition mechanism. 2006 , 22, 765-74	45
2222	Electrospun polymer nanofibers with internal periodic structure obtained by microphase separation of cylindrically confined block copolymers. 2006 , 6, 2969-72	153
2221	Electrospinning in Near-Critical CO ₂ . 2006 , 39, 8553-8555	18
2220	Electrospinning of polymeric nanofibers for tissue engineering applications: a review. 2006 , 12, 1197-211	1802
2219	Fabrication of Non-woven Mats of Gelatin/Poly(L-lactic acid) Composites by Electrospinning and Their Application for Scaffold of Cell Proliferation. 2006 , 35, 564-565	20
2218	Photo-crosslinked Porous PEG Hydrogel Membrane via Electrospinning. 2006 , 19, 413-418	6

2217	Ferromagnetic FePt nanowires: solvothermal reduction synthesis and characterization. 2006 , 2, 235-8	38
2216	Electrospun polymer nanofibers as subwavelength optical waveguides incorporating quantum dots. 2006 , 2, 495-9	143
2215	Fabrication of electrically bistable nanofibers. 2006 , 2, 1007-9	24
2214	Electrospun fibers from poly(methyl methacrylate)/vapor grown carbon nanofibers. 2006 , 17, 391-394	10
2213	Hydrophobic and superhydrophobic surfaces from polyphosphazenes. 2006 , 55, 621-625	65
2212	Electrospinning approaches toward scaffold engineering--a brief overview. 2006 , 30, 785-92	194
2211	Preparation of Zinc Oxide Nanofibers by Electrospinning. 2006 , 89, 699-701	119
2210	Processing and Structure Relationships in Electrospinning of Ceramic Fiber Systems. 2006 , 89, 395-407	344
2209	Electrospinning: A Simple and Versatile Technique for Producing Ceramic Nanofibers and Nanotubes. 2006 , 89, 1861-1869	400
2208	Electrospinning of hexanoyl chitosan. 2006 , 66, 298-305	81
2207	Electrospun three-dimensional hyaluronic acid nanofibrous scaffolds. 2006 , 27, 3782-92	324
2206	Nanofibrous poly(acrylonitrile-co-maleic acid) membranes functionalized with gelatin and chitosan for lipase immobilization. 2006 , 27, 4169-76	183
2205	Multi-phase equilibrium microemulsions-based routes to synthesize nanoscale BaWO ₄ spheres, cylinders and rods. 2006 , 274, 18-23	18
2204	Polymer hollow fiber three-dimensional matrices with controllable cavity and shell thickness. 2006 , 27, 5918-26	72
2203	Electrically forced microthreading of highly viscous dielectric liquids. 2006 , 64, 355-360	12
2202	A nanofibrous composite membrane of PLGA-chitosan/PVA prepared by electrospinning. 2006 , 42, 2013-2022	218
2201	Mechanical performance of laminated composites incorporated with nanofibrous membranes. 2006 , 435-436, 309-317	57
2200	Conductive polypyrrole nanofibers via electrospinning: Electrical and morphological properties. 2006 , 47, 1597-1603	286

2199	Continuous aligned polymer fibers produced by a modified electrospinning method. 2006 , 47, 4901-4904	235
2198	Preparation of ion-exchange fiber fabrics by electrospray deposition. 2006 , 293, 143-50	46
2197	Nanofibers of barium strontium titanate (BST) by sol-gel processing and electrospinning. 2006 , 297, 578-83	71
2196	Effect of ion-exchange nanofiber fabrics on water splitting in bipolar membrane. 2006 , 300, 442-5	24
2195	Micrometer-sized rodlike structure formed by the secondary assembly of cyclodextrin nanotube. 2006 , 302, 87-94	58
2194	High performance ultrafiltration composite membranes based on poly(vinyl alcohol) hydrogel coating on crosslinked nanofibrous poly(vinyl alcohol) scaffold. 2006 , 278, 261-268	206
2193	Fabrication of transparent alumina (Al ₂ O ₃) nanofibers by electrospinning. 2006 , 435-436, 468-473	72
2192	Structural characterization and morphology of electrospun TiO ₂ nanofibers. 2006 , 131, 147-155	148
2191	Polymeric Nanofibers: Introduction. 2006 , 1-6	4
2190	Ultrasensitive chemiresistors based on electrospun TiO ₂ nanofibers. 2006 , 6, 2009-13	527
2189	Solution Rheological Behavior and Electrospinning of Cationic Polyelectrolytes. 2006 , 39, 575-583	169
2188	V ₂ O ₅ nanorods on TiO ₂ nanofibers: a new class of hierarchical nanostructures enabled by electrospinning and calcination. 2006 , 6, 1297-302	259
2187	Polytetrafluoroethylene nano/microfibers by jet blowing. 2006 , 47, 8337-8343	42
2186	Electrospun nano-fibre mats with antibacterial properties from quaternised chitosan and poly(vinyl alcohol). 2006 , 341, 2098-107	291
2185	Synthesis of novel micro- and mesoporous zeolite nanostructures using electrospinning techniques. 2006 , 35, 504-509	27
2184	Thermoelectric oxide NaCo ₂ O ₄ nanofibers fabricated by electrospinning. 2006 , 99, 104-108	78
2183	Fabrication of yttria-stabilized zirconia nanofibers by electrospinning. 2006 , 60, 67-72	82
2182	Immobilization of lipase from <i>Candida rugosa</i> on electrospun polysulfone nanofibrous membranes by adsorption. 2006 , 42, 45-51	115

2181	Polymeric sensor materials: toward an alliance of combinatorial and rational design tools?. 2006 , 45, 702-23	159
2180	Encapsulating drugs in biodegradable ultrafine fibers through co-axial electrospinning. 2006 , 77, 169-79	286
2179	Electrospinning biomedical nanocomposite fibers of hydroxyapatite/poly(lactic acid) for bone regeneration. 2006 , 79, 643-9	291
2178	Nanofiber generation of hydroxyapatite and fluor-hydroxyapatite bioceramics. 2006 , 77, 323-8	58
2177	Fibrous membranes electrospinning from acrylonitrile-based polymers: specific absorption behaviors and states of water. 2006 , 6, 364-72	16
2176	Dual-syringe reactive electrospinning of cross-linked hyaluronic acid hydrogel nanofibers for tissue engineering applications. 2006 , 6, 811-7	111
2175	Poly(vinyl alcohol) and Polyamide-66 Nanocomposites Prepared by Electrospinning. 2006 , 291, 114-122	47
2174	Preparation of Water-Absorbing Polyacrylonitrile Nanofibrous Membrane. 2006 , 27, 142-145	30
2173	Electrospinning of Hyaluronic Acid (HA) and HA/Gelatin Blends. 2006 , 27, 114-120	122
2172	Nanofibrous Membranes Containing Carbon Nanotubes: Electrospun for Redox Enzyme Immobilization. 2006 , 27, 516-521	64
2171	Electrospun Nanofibers Modified with Phospholipid Moieties for Enzyme Immobilization. 2006 , 27, 1341-1345	69
2170	Porphyrinated Nanofibers via Copolymerization and Electrospinning. 2006 , 27, 1533-1538	32
2169	Nanofibrous Sugar Sticks Electrospun from Glycopolymers for Protein Separation via Molecular Recognition. 2006 , 27, 1942-1948	31
2168	Polystyrene Microspheres and Nanospheres Produced by Electropray. 2006 , 27, 2038-2042	71
2167	Materialien für Sensorpolymere: Möglichkeiten kombinatorischen Designs. 2006 , 118, 718-738	18
2166	Production and Potential of Bioactive Glass Nanofibers as a Next-Generation Biomaterial. 2006 , 16, 1529-1535	221
2165	Electrospun Polyaniline/Poly(methyl methacrylate)-Derived Turbostratic Carbon Micro-/Nanotubes. <i>Advanced Materials</i> , 2006 , 18, 348-353	24 204
2164	Conductive Gold Films Assembled on Electrospun Poly(methyl methacrylate) Fibrous Mats. <i>Advanced Materials</i> , 2006 , 18, 1709-1712	24 56

2163	Fabrication of Photoluminescent-Dye Embedded Poly(methyl methacrylate) Nanofibers and Their Fluorescence Resonance Energy Transfer Properties. <i>Advanced Materials</i> , 2006 , 18, 2216-2219	24	75
2162	Confined Assembly in Coaxially Electrospun Block Copolymer Fibers. <i>Advanced Materials</i> , 2006 , 18, 3299-3303	31	81
2161	Formation of Palladium Structures Combining Electrospinning and dc Sputtering. 2006 , 948, 1		2
2160	Relationships between phase morphology and deformation mechanisms in polymer nanocomposite nanofibres prepared by an electrospinning process. 2006 , 17, 963-72		36
2159	Nanofibres of Ceramic Compounds by Electrospinning. 2006 , 45, 735-740		1
2158	Electrospun Tungsten Oxide Nanofibers: Fabrication and Characterization. 2006 , 915, 1		
2157	A new pathway for developing in vitro nanostructured non-viral gene carriers. 2006 , 18, S2513-S2525		9
2156	Fabrication of silica nanocomposite-cups using electrospaying. 2006 , 17, 1380-1383		32
2155	Protuberant Morphology of Electrospun Polymeric Fibers. 2006 , 326-328, 1849-1852		
2154	Proximal Probes Based Nanorobotic Drawing of Polymer Micro/Nanofibers. 2006 , 5, 499-510		37
2153	Wave propagation in nanofibers. 2006 , 100, 124318		37
2152	Drawing suspended polymer micro-/nanofibers using glass micropipettes. 2006 , 89, 183105		125
2151	Multiple Jets in Electrospinning. 2006 ,		5
2150	. 2006 ,		
2149	A Simple Method to Grow Polymer Nanofibers from Superglue. 2006 , 948, 1		
2148	Electrospun PA-66 Coating on Textile Surfaces. 2007 , 77, 864-870		34
2147	Electrospun Ordered Nanofibers on Si and SiO ₂ Substrate. 2007 ,		3
2146	Antithrombogenic property of bone marrow mesenchymal stem cells in nanofibrous vascular grafts. 2007 , 104, 11915-20		322

2145	High Hepatic Function Was Maintained on Electrospun Nanofibrous Scaffold. 2007 , 342-343, 197-200	2
2144	Ceramic Nanofibers by Electrospinning Technique A Review. 2007 , 66, 65-76	29
2143	Novel Enabling Wire Bonding Technology. 2007 ,	5
2142	Fabrication of ITO Nanofibers as Gas Sensor. 2007 , 551	
2141	Controlling the morphologies of electrospun nanofibres. 2007 , 90-110	2
2140	Collapse analysis of nanofibres. 2007 , 18, 285702	21
2139	PRESSURE-ASSISTED SPINNING: A UNIQUE AND VERSATILE APPROACH FOR DIRECTLY FABRICATING MEMBRANES WITH MICRO- AND NANOFIBERS. 2007 , 02, 213-219	10
2138	Response of mode II interlaminar fracture toughness of composite laminates with carbon nanotubes interlayer. 2007 ,	3
2137	Direct-Write micro/nano-structure for flexible electronic manufacturing. 2007 ,	3
2136	Size effect in polymer nanofibers under tension. 2007 , 102, 044306	39
2135	Biomaterials/Scaffolds. 2007 , 101-124	45
2134	Heating Profile Effect on Morphology, Crystallinity, and Photoluminescent Properties of Y ₂ O ₃ :Eu ³⁺ +Phosphor Nanofibers Prepared Using an Electrospinning Method. 2007 , 46, 6705-6709	12
2133	The Effects of Organic Solvent on the Electrospinning of Water-Soluble Polyacrylamide with Ultrahigh Molecular Weight. 2007 , 121-123, 113-116	2
2132	Co-Electrospinning of Microbial Polyester/Gelatin and their Interaction with Fibroblasts. 2007 , 342-343, 201-204	3
2131	Preparation and Evaluation of Poly(L-glutamic acid)-Based Anti-Adhesion Membranes. 2007 , 342-343, 225-228	10
2130	Luminescent Properties of Aluminum Doped Zinc Oxide Nanofibers Prepared by Electrospinning. 2007 , 336-338, 2173-2175	
2129	Erbium Environment in ZnO:Er Polycrystalline Fibers Produced by Electrospinning. 2007 , 1035, 1	
2128	Mechanical Evaluation of Thermal Transitions in Polymer Nanofibres Using SPM. 2007 , 1025, 1	

2127	Preparation and Characterization of Core-shell Structured Nanofibers by Coaxial Electrospinning. 2007 , 19, 147-159	17
2126	Mechanical Behavior and Toughness of Electrospun Polycaprolactone Nanofibers. 2007 ,	
2125	High-performance Nanofiber-reinforced Composite from All Bio-based Materials. 2007 , 36, 698-699	9
2124	Fabrication of electrospun nanofibers bundles. 2007 ,	
2123	Nanofibrous poly(epsilon-caprolactone)/poly(vinyl alcohol)/chitosan hybrid scaffolds for bone tissue engineering using mesenchymal stem cells. 2007 , 30, 204-11	61
2122	Functionalized nanowires from electrospun polymer nanofibers. 2007 ,	
2121	Electrospun polyalkylthiophene/polyethyleneoxide fibers: Optical characterization. 2007 , 157, 276-281	50
2120	Atomic layer deposition on electrospun polymer fibers as a direct route to AL ₂ O ₃ microtubes with precise wall thickness control. 2007 , 7, 719-22	169
2119	Morphology and structure of electrospun mats from regenerated silk fibroin aqueous solutions with adjusting pH. 2007 , 41, 469-74	61
2118	Obtaining cellulose nanofibers with a uniform width of 15 nm from wood. 2007 , 8, 3276-8	699
2117	Building bioelectronic interfaces. 2007 , 43, 903	3
2116	Design strategies of tissue engineering scaffolds with controlled fiber orientation. 2007 , 13, 1845-66	345
2115	Micro- and nanopatterning techniques for organic electronic and optoelectronic systems. 2007 , 107, 1117-60	564
2114	Strongly Emissive Erbium-Doped Tin Oxide Nanofibers Derived from Sol Gel/Electrospinning Methods. 2007 , 111, 16088-16091	33
2113	Characterization of Electrospun PVdF Fiber-Based Polymer Electrolytes. 2007 , 19, 104-115	148
2112	Effects of MWNT nanofillers on structures and properties of PVA electrospun nanofibres. 2007 , 18, 225605	64
2111	Influence of van der Waals forces on increasing the strength and toughness in dynamic fracture of nanofibre networks: a peridynamic approach. 2007 , 15, 397-417	65
2110	Experimental and Theoretical Investigations of Porous Structure Formation in Electrospun Fibers. 2007 , 40, 7689-7694	158

2109	Postprocesses in tubular electrospun nanofibers. 2007 , 76, 056303	38
2108	Tissue Engineering. 2007 ,	4
2107	Light emitting polymer nanofibers: energy transfer, waveguiding and photostability. 2007 ,	
2106	Silver-Plated Electrospun Fibrous Anode for Glucose Alkaline Fuel Cells. 2007 , 154, B942	42
2105	Material encapsulation and transport in core-shell micro/nanofibers, polymer and carbon nanotubes and micro/nanochannels. 2007 , 17, 2585-2599	143
2104	Electrospun Manganese Oxide Nanofibers as Anodes for Lithium-Ion Batteries. 2007 , 10, A48	100
2103	Electrospun Porous Mats for High Efficiency Filtration. 2007 , 37, 151-162	68
2102	Polymer Core-shell Fibers with Metal Nanoparticles as Nanoreactor for Catalysis. 2007 , 40, 6032-6039	59
2101	Morphological, Electrical, and Mechanical Characterization of Electrospun Nanofiber Mats Containing Multiwalled Carbon Nanotubes. 2007 , 40, 997-1003	136
2100	Large-scale fabrication of Ag nanoparticles in PVP nanofibres and net-like silver nanofibre films by electrospinning. 2007 , 18, 075605	49
2099	Chip-to-chip fluidic connectors via near-field electrospinning. 2007 ,	2
2098	Electrospun dye-doped polymer nanofibers emitting in the near infrared. 2007 , 90, 143115	61
2097	Adhesive contact in filaments. 2007 , 40, 4276-4280	20
2096	Nanotechnology in fibrous materials— new perspective. 2007 , 39, 67-120	21
2095	Exploring cellular behaviour with multi-walled carbon nanotube constructs. 2007 , 17, 1894	70
2094	Dye-sensitized solar cells using network structure of electrospun ZnO nanofiber mats. 2007 , 91, 163109	103
2093	Poly(aryleneethynylene)s with Orange, Yellow, Green, and Blue Solid-State Fluorescence. 2007 , 40, 1843-1850	30
2092	Water-stable biphasic nanocolloids with potential use as anisotropic imaging probes. 2007 , 23, 5683-8	77

2091	Enhancement of conductivity by diameter control of polyimide-based electrospun carbon nanofibers. 2007 , 111, 11350-3	76
2090	Electrospinning of Polycarbonate/Tetrapyrzinoindoloporphyrazine Composite Fibers. 2007 , 472, 181/[571]-191/[581]	
2089	Catalase Immobilization on Electrospun Nanofibers: Effects of Porphyrin Pendants and Carbon Nanotubes. 2007 , 111, 14091-14097	47
2088	Colorimetric sensors for volatile organic compounds (VOCs) based on conjugated polymer-embedded electrospun fibers. 2007 , 129, 3038-9	300
2087	Needleless electroSpinning of multiple nanofibers. 2007 ,	1
2086	Fabrication and in vitro biomineralization of bioactive glass (BG) nanofibres. 2007 , 18, 135601	71
2085	Morphology and Photophysical Properties of Light-Emitting Electrospun Nanofibers Prepared from Poly(Fluorene) Derivative/PMMA Blends. 2007 , 40, 6959-6966	128
2084	Electrospinning of Polyacrylonitrile Solutions at Elevated Temperatures. 2007 , 40, 7973-7983	108
2083	Rechargeable Organic Radical Battery with Electrospun, Fibrous Membrane-Based Polymer Electrolyte. 2007 , 154, A839	59
2082	Fluorescent nanofibrous membranes for trace detection of TNT vapor. 2007 , 17, 2730	92
2081	Structural and electrical properties of conductive polymeric aligned nanofibers via electrospinning. 2007 ,	0
2080	Improving biocatalytic activity of enzyme-loaded nanofibers by dispersing entangled nanofiber structure. 2007 , 8, 1266-70	77
2079	Natural origin biodegradable systems in tissue engineering and regenerative medicine: present status and some moving trends. 2007 , 4, 999-1030	843
2078	Electrospinning of Nanofibers from Polymer Solutions and Melts. 2007 , 41, 43-346	426
2077	Electrospun nanostructured scaffolds for tissue engineering applications. 2007 , 2, 929-42	161
2076	PolymerMicelle Complex as an Aid to Electrospinning Nanofibers from Aqueous Solutions. 2007 , 111, 16105-16108	26
2075	Electrospinning of Fe, Co, and Ni Nanofibers: Synthesis, Assembly, and Magnetic Properties. 2007 , 19, 3506-3511	266
2074	Polymer fibers as carriers for homogeneous catalysts. 2007 , 13, 6150-6	41

2073	Covalent immobilization of redox enzyme on electrospun nonwoven poly(acrylonitrile-co-acrylic acid) nanofiber mesh filled with carbon nanotubes: a comprehensive study. 2007 , 97, 708-20	68
2072	Electrospinning of cellulose-based nanofibers. 2007 , 103, 1473-1482	195
2071	Control over wettability of textured surfaces by electro spray deposition. 2007 , 103, 3811-3817	31
2070	Electrospinning of keratin/poly(ethylene oxide)blend nanofibers. 2007 , 104, 863-870	109
2069	Electrospun hydroxypropyl methyl cellulose phthalate (HPMCP)/erythromycin fibers for targeted release in intestine. 2007 , 106, 2177-2184	36
2068	High strength nylon micro- and nanofiber based nonwovens via spunbonding. 2007 , 104, 3434-3442	56
2067	Unique aerodynamically driven methodology for forming droplets, threads to scaffolds. 2007 , 104, 3844-3848	13
2066	Development, optimization, and characterization of electrospun poly(lactic acid) nanofibers containing multi-walled carbon nanotubes. 2007 , 105, 1668-1678	86
2065	Toughened electrospun nanofibers from crosslinked elastomer-thermoplastic blends. 2007 , 105, 2321-2326	20
2064	Preparation of antimicrobial poly(ϵ -caprolactone) electrospun nanofibers containing silver-loaded zirconium phosphate nanoparticles. 2007 , 106, 1208-1214	99
2063	Electrospinning: a fascinating method for the preparation of ultrathin fibers. 2007 , 46, 5670-703	3325
2062	Elektrospinnen: eine faszinierende Methode zur Präparation ultradünner Fasern. 2007 , 119, 5770-5805	76
2061	Evolutions, Revolutions and Trends in Biomaterials Science – A Perspective. 2007 , 9, 1035-1050	62
2060	Electrospinning: A Facile Method to Disperse Fluorescent Quantum Dots in Nanofibers without Förster Resonance Energy Transfer. 2007 , 17, 3650-3656	142
2059	Field-Driven Biofunctionalization of Polymer Fiber Surfaces during Electrospinning. <i>Advanced Materials</i> , 2007 , 19, 87-91	24 102
2058	Decorated Electrospun Fibers Exhibiting Superhydrophobicity. <i>Advanced Materials</i> , 2007 , 19, 255-259	24 273
2057	Polydiacetylene Supramolecules in Electrospun Microfibers: Fabrication, Micropatterning, and Sensor Applications. <i>Advanced Materials</i> , 2007 , 19, 521-524	24 127
2056	Self-Sustained Thin Webs Consisting of Porous Carbon Nanofibers for Supercapacitors via the Electrospinning of Polyacrylonitrile Solutions Containing Zinc Chloride. <i>Advanced Materials</i> , 2007 , 19, 2341-2346	24 352

2055	Tensile Mechanics of Electrospun Multiwalled Nanotube/Poly(methyl methacrylate) Nanofibers. <i>Advanced Materials</i> , 2007 , 19, 1228-1233	24	106
2054	Weaving Genetically Engineered Functionality into Mechanically Robust Virus Fibers. <i>Advanced Materials</i> , 2007 , 19, 826-832	24	52
2053	Fabrication of Aligned Fibrous Arrays by Magnetic Electrospinning. <i>Advanced Materials</i> , 2007 , 19, 3702-3706	24	301
2052	Ice-Templating of Core/Shell Microgel Fibers through Bricks-and-Mortar Assembly**. <i>Advanced Materials</i> , 2007 , 19, 4539-4543	24	54
2051	Magnetically Anisotropic Cobalt and Iron Nanofibers via Electrospinning. <i>Advanced Materials</i> , 2007 , 19, 4244-4247	24	84
2050	Patterning of Electrospun Fibers Using Electroconductive Templates. <i>Advanced Materials</i> , 2007 , 19, 3664-3667	24	203
2049	Filled and Hollow Carbon Nanofibers by Coaxial Electrospinning of Alcell Lignin without Binder Polymers. <i>Advanced Materials</i> , 2007 , 19, 4292-4296	24	184
2048	Electrospray-Neutralization Method for Manufacturing Free and Supported Nanomats. <i>Advanced Materials</i> , 2007 , 19, 4381-4386	24	14
2047	Biodegradable fibrous scaffolds composed of gelatin coated poly(epsilon-caprolactone) prepared by coaxial electrospinning. 2007 , 83, 372-82		96
2046	Strong orientation of polymer chains and small photochromic molecules in polyamide 6 electrospun fibers. 2007 , 8, 510-4		30
2045	Ionic-Strength- and pH-Responsive Poly[acrylamide-co-(maleic acid)] Hydrogel Nanofibers. 2007 , 208, 874-880		48
2044	Mass Ratio of CdS/Poly(ethylene oxide) Controlled Photoluminescence of One-Dimensional Hybrid Fibers by Electrospinning. 2007 , 292, 949-955		24
2043	Fabrication and Characterization of Ionic Conducting Nanofibers. 2007 , 292, 1229-1236		56
2042	Color Change of Electrospun Polystyrene/MEH-PPV Fibers from Orange to Yellow through Partial Decomposition of MEH Side Groups. 2007 , 28, 651-659		36
2041	Photocrosslinkable Liquid Crystal Main-Chain Polymers: Thin Films and Electrospinning. 2007 , 28, 2062-2068		84
2040	Room Temperature Bulk Synthesis of Silver Nanocables Wrapped with Polypyrrole. 2007 , 28, 2106-2111		32
2039	Polymorphism Control of Poly(vinylidene fluoride) through Electrospinning. 2007 , 28, 2159-2162		211
2038	Fabrication and characterization of zein-based nanofibrous scaffolds by an electrospinning method. 2007 , 7, 517-25		81

2037	A simple and effective route for the preparation of poly(vinylalcohol) (PVA) nanofibers containing gold nanoparticles by electrospinning method. 2007 , 141, 292-295	87
2036	Fabrications and structural characterization of ultra-fine carbon fibres by electrospinning of polymer blends. 2007 , 142, 20-23	43
2035	Carbon dioxide impregnation of electrospun polycaprolactone fibers. 2007 , 41, 173-178	31
2034	Fabrication of ultrathin polyelectrolyte fibers and their controlled release properties. 2007 , 58, 172-9	88
2033	Capturing electrified nanodroplets under Rayleigh instability by coupling electrospray with a sol-gel reaction. 2007 , 445, 271-275	25
2032	Novel antibacterial fibers of quaternized chitosan and poly(vinyl pyrrolidone) prepared by electrospinning. 2007 , 43, 1112-1122	221
2031	Exploitation of atomic layer deposition for nanostructured materials. 2007 , 27, 1504-1508	62
2030	Plasma assisted synthesis of hollow nanofibers using electrospun sacrificial templates. 2007 , 265, 23-30	8
2029	Controlled size polymer particle production via electrohydrodynamic atomization. 2007 , 311, 67-76	72
2028	Electrospinning of poly(vinyl pyrrolidone)βdine complex and poly(ethylene oxide)/poly(vinyl pyrrolidone)βdine complex β prospective route to antimicrobial wound dressing materials. 2007 , 43, 1609-1623	91
2027	Crimped polymer nanofibres by air-driven electrospinning. 2007 , 43, 2792-2798	23
2026	Structurally and chemically heterogeneous nanofibrous nonwovens via electrospinning. 2007 , 43, 4859-4867	43
2025	One dimensional nanostructured materials. 2007 , 52, 699-913	495
2024	Morphology, polymorphism behavior and molecular orientation of electrospun poly(vinylidene fluoride) fibers. 2007 , 48, 512-521	302
2023	Photoluminescence of polyethylene oxide/ZnO composite electrospun fibers. 2007 , 48, 1459-1463	86
2022	Preparation of water-stable submicron fibers from aqueous latex dispersion of water-insoluble polymers by electrospinning. 2007 , 48, 3974-3981	53
2021	Temperature dependence of polymorphism in electrospun nanofibres of PA6 and PA6/clay nanocomposite. 2007 , 48, 4814-4823	70
2020	Catalytic hydrolysis of p-nitrophenyl acetate by electrospun polyacrylamidoxime nanofibers. 2007 , 48, 4675-4682	44

2019	Control of electrospun mat width through the use of parallel auxiliary electrodes. 2007 , 48, 5653-5661	78
2018	Reducing electrospun nanofiber diameter and variability using cationic amphiphiles. 2007 , 48, 6384-6394	68
2017	Electrospun nanofibers of poly(ethylene oxide)/teraamino-phthalocyanine copper(II) hybrids and its photoluminescence properties. 2007 , 68, 2337-2340	28
2016	Preparation and luminescent properties of europium-doped yttria fibers by electrospinning. 2007 , 124, 39-44	76
2015	Facile fabrication of long α -Fe ₂ O ₃ , α -Fe and γ -Fe ₂ O ₃ hollow fibers using sol-gel combined co-electrospinning technology. 2007 , 308, 265-70	96
2014	Characterization of chitosan nanofiber fabric by electrospray deposition: electrokinetic and adsorption behavior. 2007 , 310, 678-81	41
2013	Synthesis and characterization of porous carbon nanofibers with hollow cores through the thermal treatment of electrospun copolymeric nanofiber webs. 2007 , 3, 91-5	302
2012	One-step production of polymeric microtubes by co-electrospinning. 2007 , 3, 1064-73	198
2011	Effect of needle diameter on nanofiber diameter and thermal properties of electrospun poly(methyl methacrylate). 2007 , 18, 180-183	59
2010	Electrospinning of ultrahigh-molecular-weight polyethylene nanofibers. 2007 , 45, 766-773	51
2009	Some fascinating phenomena in electrospinning processes and applications of electrospun nanofibers. 2007 , 56, 1330-1339	78
2008	Oriented Nanofibers by a Newly Modified Electrospinning Method. 2007 , 90, 632-634	18
2007	Fabrication of semiconductor nanostructures on the outer surfaces of polyacrylonitrile nanofibers by in-situ electrospinning. 2007 , 61, 2556-2559	36
2006	Synthesis and electrochemical properties of nanostructured LiMn ₂ O ₄ for lithium-ion batteries. 2007 , 61, 3597-3600	21
2005	Preparation of ultra-fine polyimide fibers containing silver nanoparticles via in situ technique. 2007 , 61, 4027-4030	52
2004	Functional electrospun nanofibrous scaffolds for biomedical applications. 2007 , 59, 1392-412	771
2003	Nanofiber technology: designing the next generation of tissue engineering scaffolds. 2007 , 59, 1413-33	899
2002	Electrospinning of Cellulose Acetate in Solvent Mixture N,N-Dimethylacetamide (DMAc)/Acetone. 2007 , 39, 65-72	64

2001	Correlation of Morphology of Electrospun Fibers with Rheology of Linear Polyacrylamide Solution. 2007 , 39, 878-881	15
2000	Preparation of Carbon Fiber Fabrics from Phenolic Resin by Electro Spray Deposition. 2007 , 39, 1128-1134	35
1999	Electrospinning of Nanofibres: Towards New Techniques, Functions, and Applications. 2007 , 60, 719	40
1998	Effect of collector temperature and conductivity on the chain conformation of nylon 6 electrospun nanofibers. 2007 , 8, 186-191	5
1997	Application of electrospun polyurethane web to breathable water-proof fabrics. 2007 , 8, 564-570	132
1996	Electrospinning of alumina nanofibers using different precursors. 2007 , 42, 2189-2193	76
1995	Fabrication of nanocomposite membranes from nanofibers and nanoparticles for protection against chemical warfare stimulants. 2007 , 42, 8400-8407	99
1994	Electrospun Methacrylate-Based Copolymer/Indomethacin Fibers and Their Release Characteristics of Indomethacin. 2007 , 14, 53-59	20
1993	Preparation and characterization of chitosan/poly(vinyl alcohol)/poly(vinyl pyrrolidone) electrospun fibers. 2007 , 1, 432-436	12
1992	Nanoparticle filtration by electrospun polymer fibers. 2007 , 62, 4751-4759	219
1991	Fabrication of multi-walled carbon nanotube reinforced polyelectrolyte hollow nanofibers by electrospinning. 2007 , 67, 3271-3277	43
1990	Design of polymer nanofiber systems for the immobilization of homogeneous catalysts □ Preparation and leaching studies. 2007 , 48, 5208-5218	37
1989	Fabrication and electrochemical properties of three-dimensional net architectures of anatase TiO ₂ and spinel Li ₄ Ti ₅ O ₁₂ nanofibers. 2007 , 164, 874-879	60
1988	Polymer electrolytes based on an electrospun poly(vinylidene fluoride-co-hexafluoropropylene) membrane for lithium batteries. 2007 , 167, 491-498	153
1987	Polypyrrole-coated electrospun nanofibre membranes for recovery of Au(III) from aqueous solution. 2007 , 303, 119-125	57
1986	Electrospinning synthesis of C/Fe ₃ O ₄ composite nanofibers and their application for high performance lithium-ion batteries. 2008 , 183, 717-723	426
1985	Morphology and conductivity of polyaniline sub-micron fibers prepared by electrospinning. 2008 , 150, 70-76	76
1984	Fibrous poly(chitosan-g-DL-lactic acid) scaffolds prepared via electro-wet-spinning. 2008 , 4, 876-86	49

1983	High PL-efficiency ZnO nanocrystallites/PPV composite nanofibers. 2008 , 68, 3240-3244	33
1982	Electrospinning jets and polymer nanofibers. 2008 , 49, 2387-2425	1606
1981	Influence of initiators on the growth of poly(ethyl 2-cyanoacrylate) nanofibers. 2008 , 49, 2235-2242	17
1980	Electrospinning of uniform polystyrene fibers: The effect of solvent conductivity. 2008 , 49, 5336-5343	293
1979	Chemical surface modifications of microfibrillated cellulose. 2008 , 15, 35-45	283
1978	Fabrication of fibrous poly(butylene succinate)/wollastonite/apatite composite scaffolds by electrospinning and biomimetic process. 2008 , 19, 443-9	33
1977	Electrospun nanofibers immobilized with collagen for neural stem cells culture. 2008 , 19, 847-54	89
1976	Electrospun fibrous web of collagen-apatite precipitated nanocomposite for bone regeneration. 2008 , 19, 2925-32	78
1975	YBCO nanofibers synthesized by electrospinning a solution of poly(acrylic acid) and metal nitrates. 2008 , 43, 1664-1668	15
1974	Encapsulation of silver particles using co-axial jetting. 2008 , 19, 33-38	10
1973	Controlling size and distribution of silver nanoparticles generated in inorganic silica nanofibers using poly(vinyl pyrrolidone). 2008 , 16, 626-630	13
1972	In-situ nanofabrication via electrohydrodynamic jetting of countercharged nozzles. 2008 , 61, 521-528	23
1971	Applications of electrospun nanofibers. 2008 , 53, 2265-2286	147
1970	Distance transform algorithm for measuring nanofiber diameter. 2008 , 25, 905-918	24
1969	Preparation of luminescing nanocrystal and its application to electrospinning. 2008 , 9, 534-537	3
1968	Amperometric electronic tongue for food analysis. 2008 , 163, 11-21	74
1967	Introducing organic nanowire transistors. 2008 , 11, 38-47	326
1966	Direct fabrication of cerium oxide hollow nanofibers by electrospinning. 2008 , 26, 664-669	114

1965	Production of superhydrophobic polymer fibers with embedded particles using the electrospinning technique. 2008 , 57, 77-84	63
1964	Manufacturing technologies of polymeric nanofibres and nanofibre yarns. 2008 , 57, 837-845	124
1963	Effect of electric potential and coulombic interactions on electrospinning nanofiber distribution. 2008 , 57, 1194-1197	9
1962	Preparation of polybenzoxazole fibers via electrospinning and postspun thermal cyclization of polyhydroxyamide. 2008 , 46, 8159-8169	21
1961	Solvent and concentration effects on the properties of electrospun poly(ethylene terephthalate) nanofiber mats. 2008 , 46, 460-471	136
1960	Fine structure of PVDF nanofiber fabricated by electrospray deposition. 2008 , 46, 558-563	14
1959	Study on the shear viscosity behavior of keratin/PEO blends for nanofibre electrospinning. 2008 , 46, 1193-1201	30
1958	Diameter control of electrospun polyacrylonitrile/iron acetylacetonate ultrafine nanofibers. 2008 , 46, 1611-1618	24
1957	Emulsion electrospinning: composite fibers from drop breakup during electrospinning. 2008 , 19, 728-733	66
1956	Polyacrylamide-based material for electrospun humidity-resistant, water-soluble nanofilters. 2008 , 19, 1276-1285	7
1955	Preparation of three-dimensional structure controllable nanofibers by electrospinning. 2008 , 19, 1150-1153	5
1954	Thermal and mechanical properties of electrospun PMMA, PVC, Nylon 6, and Nylon 6,6. 2008 , 19, 124-130	70
1953	Coaxial electrospinning of PC(shell)/PU(core) composite nanofibers for textile application. 2008 , 29, 579-584	25
1952	Electrospinning and alignment of polyaniline-based nanowires and nanotubes. 2008 , 48, 1661-1666	29
1951	Electrospinning of polyamides with different chain compositions for filtration application. 2008 , 48, 1168-117684	
1950	Cocontinuous cellulose acetate/polyurethane composite nanofiber fabricated through electrospinning. 2008 , 48, 1296-1303	45
1949	Fabrication of Conjugated Polymer Supramolecules in Electrospun Micro/Nanofibers. 2008 , 209, 2194-2203	14
1948	Dual Electric Field Induced Alignment of Electrospun Nanofibers. 2008 , 293, 666-674	27

1947	Highly-Aligned Electrospun Luminescent Nanofibers Prepared from Polyfluorene/PMMA Blends: Fabrication, Morphology, Photophysical Properties and Sensory Applications. 2008 , 293, 999-1008	76
1946	Low-Cost, Thermoresponsive Wettability of Surfaces: Poly(N-isopropylacrylamide)/Polystyrene Composite Films Prepared by Electrospinning. 2008 , 29, 485-489	77
1945	Biodegradable Polymer Nanocylinders Fabricated by Transverse Fragmentation of Electrospun Nanofibers through Aminolysis. 2008 , 29, 1231-1236	47
1944	Field-Driven Surface Segregation of Biofunctional Species on Electrospun PMMA/PEO Microfibers. 2008 , 29, 1455-1460	40
1943	Putting Electrospun Nanofibers to Work for Biomedical Research. 2008 , 29, 1775-1792	286
1942	Novel Luminescent Electrospun Fibers Prepared From Conjugated Rod-Coil Block Copolymer of Poly[2,7-(9,9-dihexylfluorene)]-block-Poly(methyl methacrylate). 2008 , 29, 1711-1715	39
1941	Electrospun chitosan-coated fibers of poly(L-lactide) and poly(L-lactide)/poly(ethylene glycol): preparation and characterization. 2008 , 8, 153-62	61
1940	In situ mineralization of hydroxyapatite on electrospun chitosan-based nanofibrous scaffolds. 2008 , 8, 239-46	77
1939	Hydroxyapatite nanoparticle loaded collagen fiber composites: microarchitecture and nanoindentation study. 2008 , 86, 873-82	43
1938	Electrospinning of photocrosslinked and degradable fibrous scaffolds. 2008 , 87, 1034-43	56
1937	Polymer surfaces structured with random or aligned electrospun nanofibers to promote the adhesion of blood platelets. 2009 , 89, 168-75	11
1936	Preparation and cytocompatibility of PLGA scaffolds with controllable fiber morphology and diameter using electrospinning method. 2008 , 87, 26-34	35
1935	Control of protein adsorption on functionalized electrospun fibers. 2008 , 101, 609-21	73
1934	Preparation of poly(ether sulfone) nanofibers by gas-jet/electrospinning. 2008 , 107, 909-917	57
1933	Fabricating novel thermal crosslinked ultrafine fibers via electrospinning. 2008 , 107, 2142-2149	7
1932	Alignment and optimization of nylon 6 nanofibers by electrospinning. 2008 , 107, 3023-3032	71
1931	Photocrosslinked electrospun chitosan-based biocompatible nanofibers. 2008 , 109, 3337-3343	42
1930	Role of polymer-solvent interactions in the electrospinning of polyacrylonitrile/iron acetylacetonate. 2008 , 109, 2935-2941	21

1929	Biodegradable polymeric micro-nanofibers by electrospinning of polyester/polyether block copolymers. 2008 , 110, 253-261		12
1928	Polymer micro or nanofibers for optical device applications. 2008 , 110, 1080-1084		26
1927	Fabrication and characterization of a novel polypropylene/poly(vinyl alcohol)/aluminum hybrid layered assembly for high-performance fibrous insulation. 2008 , 110, 2525-2530		13
1926	Fabrication and characterization of chitosan/PVA with hydroxyapatite biocomposite nanoscaffolds. 2008 , 110, 3328-3335		49
1925	Freeze-align and heat-fuse: microwires and networks from nanoparticle suspensions. 2008 , 47, 4573-6		35
1924	Electrospinning of cyclodextrin-pseudopolyrotaxane nanofibers. 2008 , 47, 9108-11		50
1923	3D Fiber-Deposited Electrospun Integrated Scaffolds Enhance Cartilage Tissue Formation. 2008 , 18, 53-60		167
1922	Photoswitchable Organic Nanofibers. <i>Advanced Materials</i> , 2008 , 20, 314-318	24	69
1921	Turning PMMA Nanofibers into Graphene Nanoribbons by In Situ Electron Beam Irradiation. <i>Advanced Materials</i> , 2008 , 20, 3284-3288	24	65
1920	Organic Light-Emitting Nanofibers by Solvent-Resistant Nanofluidics. <i>Advanced Materials</i> , 2008 , 20, NA-NA	24	4
1919	Fabrication of Low-Dimension Nanostructures Based on Organic Conjugated Molecules. <i>Advanced Materials</i> , 2008 , 20, 2918-2925	24	90
1918	Helical Twisting of Electrospun Liquid Crystalline Cellulose Micro- and Nanofibers. <i>Advanced Materials</i> , 2008 , 20, 4821-4825	24	78
1917	Electrospun Nanofibrous Membranes: A Novel Solid Substrate for Microfluidic Immunoassays for HIV. <i>Advanced Materials</i> , 2008 , 20, 4770-4775	24	136
1916	Freeze-Align and Heat-Fuse: Microwires and Networks from Nanoparticle Suspensions. 2008 , 120, 4649-4652		2
1915	Electrospinning of Cyclodextrin-Pseudopolyrotaxane Nanofibers. 2008 , 120, 9248-9251		2
1914	Co-electrospun SiO ₂ hollow nanostructured fibers with hierarchical walls. 2008 , 318, 331-6		20
1913	Ultrafine porous carbon fibers for SO ₂ adsorption via electrospinning of polyacrylonitrile solution. 2008 , 327, 388-92		19
1912	Solvent-controlled synthesis of TiO ₂ 1D nanostructures: Growth mechanism and characterization. 2008 , 310, 3792-3799		55

1911	Electrospun cellulose acetate fibers containing chlorhexidine as a bactericide. 2008 , 49, 1266-1275	115
1910	Electrospinning of native cellulose from nonvolatile solvent system. 2008 , 49, 2911-2917	154
1909	Electrospinning and rheology of regenerated Bombyx mori silk fibroin aqueous solutions: The effects of pH and concentration. 2008 , 49, 2880-2885	78
1908	Scaling laws and internal structure for characterizing electrospun poly[(R)-3-hydroxybutyrate] fibers. 2008 , 49, 4188-4195	54
1907	Hydrogel microstructures combined with electrospun fibers and photopatterning for shape and modulus control. 2008 , 49, 5284-5293	32
1906	Nafion-impregnated electrospun polyvinylidene fluoride composite membranes for direct methanol fuel cells. 2008 , 180, 167-171	92
1905	Effects of electrospinning parameters on polyacrylonitrile nanofiber diameter: An investigation by response surface methodology. 2008 , 29, 34-44	226
1904	Processing technologies for poly(lactic acid). 2008 , 33, 820-852	1859
1903	Effect of aligned cellulose film to the performance of electro-active paper actuator. 2008 , 141, 530-535	41
1902	Fabrication and ethanol-sensing properties of micro gas sensor based on electrospun SnO ₂ nanofibers. 2008 , 132, 67-73	210
1901	Synthesis of poly(N-vinylpyrrolidone)/ β -cyclodextrin composite nanofibers using electrospinning techniques. 2008 , 208, 251-254	22
1900	Modeling of non-isothermal polymer jets in melt electrospinning. 2008 , 153, 95-108	70
1899	Development of photocatalytic TiO ₂ nanofibers by electrospinning and its application to degradation of dye pollutants. 2008 , 154, 118-27	132
1898	Catalytically active poly(amideimide) nanofibre mats with high activity tested in the hydrogenation of methyl-cis-9-octadecenoate. 2008 , 346, 72-78	11
1897	Electrospinning method for the preparation of silver chloride nanoparticles in PVP nanofiber. 2008 , 254, 4520-4523	89
1896	Electrospun nanofibers as selective barrier to the electrochemical polyphenol oxidation. 2008 , 10, 991-994	22
1895	Inhomogeneous toughening of carbon fiber/epoxy composite using electrospun polysulfone nanofibrous membranes by in situ phase separation. 2008 , 68, 987-994	125
1894	Macroporous and nanofibrous hyaluronic acid/collagen hybrid scaffold fabricated by concurrent electrospinning and deposition/leaching of salt particles. 2008 , 4, 1611-9	245

1893	Electrospun nanofibrous membranes filled with carbon nanotubes for redox enzyme immobilization. 2008 , 42, 332-339	66
1892	Electrospun nanofibers of polyferrocenylsilanes with different substituents at silicon. 2008 , 44, 602-607	12
1891	Novel electrospun poly(ϵ -caprolactone)-based bicomponent nanofibers possessing surface enriched in tertiary amino groups. 2008 , 44, 566-578	28
1890	Core-shell functional polymer nanofibers prepared by co-electrospinning. 2008 , 44, 1040-1045	40
1889	In vitro biocompatibility of electrospun hexanoyl chitosan fibrous scaffolds towards human keratinocytes and fibroblasts. 2008 , 44, 2060-2067	47
1888	Study of the order-disorder transitions in methoxy-functionalized polyalkylthiophenes. 2008 , 44, 3987-3996	8
1887	Polyaniline nanobelts, flower-like and rhizoid-like nanostructures by electrospinning. 2008 , 19, 223-226	20
1886	Morphology and thermal properties of electrospun fatty acids/polyethylene terephthalate composite fibers as novel form-stable phase change materials. 2008 , 92, 1382-1387	118
1885	Electrospinning nanosuspensions loaded with passivated Au nanoparticles. 2008 , 64, 8476-8483	11
1884	Preparation of TiO ₂ -embedded carbon nanofibers and their photocatalytic activity in the oxidation of gaseous acetaldehyde. 2008 , 84, 16-20	89
1883	The application of new nanocomposites: Enhancement effect of polylactide nanofibers/nano-TiO ₂ blends on biorecognition of anticancer drug daunorubicin. 2008 , 255, 610-612	25
1882	Mechanical properties of single electrospun collagen type I fibers. 2008 , 29, 955-62	221
1881	Electrospun collagen/chitosan nanofibrous membrane as wound dressing. 2008 , 313-314, 183-188	370
1880	Fabrication of the catalytic electrodes for methanol oxidation on electrospinning-derived carbon fibrous mats. 2008 , 10, 880-883	52
1879	Continuous thin gold films electroless deposited on fibrous mats of polyacrylonitrile and their electrocatalytic activity towards the oxidation of methanol. 2008 , 53, 5174-5179	54
1878	Novel mechanism for spinning continuous twisted composite nanofiber yarns. 2008 , 44, 1-12	76
1877	Parameter study of electrospinning of polyamide-6. 2008 , 44, 3067-3079	180
1876	Multi-walled carbon nanotubes/TiO ₂ composite nanofiber by electrospinning. 2008 , 28, 75-79	97

1875	Co-axial Electrospinning for Nanofiber Structures: Preparation and Applications. 2008 , 48, 353-377		352
1874	Development of Active Antimicrobial Fiber-Based Chitosan Polysaccharide Nanostructures using Electrospinning. 2008 , 8, 303-314		151
1873	Electrospun Silk Fibroin Mats for Tissue Engineering. 2008 , 8, 219-225		59
1872	Bio-inspired synthetic pathways and beyond: integrative chemistry. 2008 , 32, 1284		72
1871	Selective nanofiber deposition via electrodynamic focusing. 2008 , 19, 375303		13
1870	Meniscus-Controlled Continuous Fabrication of Arrays and Rolls of Extremely Long Micro- and Nano-Fibers. <i>Advanced Materials</i> , 2008 , 20, 793-796	24	31
1869	Template-Directed Synthesis of Oxide Nanotubes: Fabrication, Characterization, and Applications. 2008 , 20, 756-767		268
1868	Chitosan nanofibers from an easily electrospinnable UHMWPEO-doped chitosan solution system. 2008 , 9, 136-41		113
1867	ZnO Nanofiber Field-Effect Transistor Assembled by Electrospinning. 2008 , 91, 656-659		89
1866	ZnO Nanofiber and Nanoparticle Synthesized Through Electrospinning and Their Photocatalytic Activity Under Visible Light. 2008 , 91, 1287-1291		101
1865	Characterization of the morphology and thermal properties of Zein Prolamine nanostructures obtained by electrospinning. 2008 , 22, 601-614		227
1864	Fabrication of refining mesoporous silica nanofibers via electrospinning. 2008 , 62, 143-146		82
1863	Fabrication of polycrystalline lanthanum manganite (LaMnO ₃) nanofibers by electrospinning. 2008 , 62, 470-472		22
1862	Synthesis of size-tunable metal nanoparticles based on polyacrylonitrile nanofibers enabled by electrospinning and microwave irradiation. 2008 , 62, 692-694		26
1861	AFM-based voltage assisted nanoelectrospinning. 2008 , 62, 699-702		12
1860	Fabrication of well-aligned PPV/PVP nanofibers by electrospinning. 2008 , 62, 991-993		26
1859	Ultrafine polyacrylonitrile/silica composite fibers via electrospinning. 2008 , 62, 2161-2164		97
1858	Preparation and photoluminescence properties of electrospun nanofibers containing PMO-PPV and Eu(ODBM) ₃ phen. 2008 , 62, 2419-2421		20

1857	Effect of annealing on the morphology and properties of ZnS:Mn nanoparticles/PVP nanofibers. 2008 , 62, 3385-3387	34
1856	Metallization of electrospun polyacrylonitrile fibers by gold. 2008 , 62, 3751-3753	15
1855	Fabrication of the silver/polypyrrole/polyacrylonitrile composite nanofibrous mats. 2008 , 62, 4031-4034	34
1854	Titania nanofibers prepared by electrospinning. 2008 , 62, 4470-4472	69
1853	Fabrication of Zeolite Hollow Fibers by Coaxial Electrospinning. 2008 , 20, 3543-3545	70
1852	Electrospinning Preparation, Structure, and Photoluminescence Properties of YBO ₃ :Eu ³⁺ Nanotubes and Nanowires. 2008 , 20, 4762-4767	95
1851	Preparation and Luminescence Properties of YVO ₄ :Ln and Y(V, P)O ₄ :Ln (Ln = Eu ³⁺ , Sm ³⁺ , Dy ³⁺) Nanofibers and Microbelts by Sol-Gel/Electrospinning Process. 2008 , 20, 6686-6696	214
1850	Highly sensitive and stable humidity nanosensors based on LiCl doped TiO ₂ electrospun nanofibers. 2008 , 130, 5036-7	381
1849	Novel nanocomposite of nano Fe ₃ O ₄ and polylactide nanofibers for application in drug uptake and induction of cell death of leukemia cancer cells. 2008 , 24, 2151-6	88
1848	The effect of embedded carbon nanotubes on the morphological evolution during the carbonization of poly(acrylonitrile) nanofibers. 2008 , 19, 165603	92
1847	Preparation of Aligned Polymer Micro/Nanofibres by Electrospinning. 2008 , 25, 3067-3070	25
1846	Fabrication of electrically-conducting nonwoven porous mats of polystyrene/polypyrrole core-shell nanofibers via electrospinning and vapor phase polymerization. 2008 , 18, 5155	46
1845	Multiferroic CoFe ₂ O ₄ /Pb(Zr _{0.52} Ti _{0.48})O ₃ nanofibers by electrospinning. 2008 , 92, 062901	67
1844	Fabrication, functionalization, and application of electrospun biopolymer nanofibers. 2008 , 48, 775-97	246
1843	Functionalization of electrospun TiO ₂ nanofibers with Pt nanoparticles and nanowires for catalytic applications. 2008 , 8, 668-72	440
1842	Room Temperature Ionic Liquid Based Polystyrene Nanofibers with Superhydrophobicity and Conductivity Produced by Electrospinning. 2008 , 20, 3420-3424	113
1841	Applied Scanning Probe Methods IX. 2008 ,	
1840	Preparation and characterization of silica nanoparticulate-polyacrylonitrile composite and porous nanofibers. 2008 , 19, 085605	79

1839	Electrospinning of three-dimensional nanofibrous tubes with controllable architectures. 2008 , 8, 3283-7	239
1838	Effect of electric field distribution uniformity on electrospinning. 2008 , 103, 104307	72
1837	Combining electrospun scaffolds with electrospayed hydrogels leads to three-dimensional cellularization of hybrid constructs. 2008 , 9, 2097-103	212
1836	Associative Polymer Facilitated Electrospinning of Nanofibers. 2008 , 41, 4275-4283	37
1835	Measuring Electrospun Nanofibre Diameter: a Novel Approach. 2008 , 25, 3071-3074	7
1834	Preparing graphitic nanoribbons from ultrathin electrospun poly(methyl methacrylate) nanofibers by electron beam irradiation. 2008 ,	
1833	Enhanced fluorescence in electrospun dye-doped DNA nanofibers. 2008 , 4, 1448-1453	34
1832	Co-solvent mediated fiber diameter and fiber morphology control in electrospinning of sol-gel formulations. 2008 , 354, 5547-5554	7
1831	Adhesion and Surface Issues in Cellulose and Nanocellulose. 2008 , 22, 545-567	378
1830	Assembly of Metal Nanoparticles on Electrospun Nylon 6 Nanofibers by Control of Interfacial Hydrogen-Bonding Interactions. 2008 , 20, 6627-6632	158
1829	Continuous polymer nanofiber yarns prepared by self-bundling electrospinning method. 2008 , 49, 2755-2761	130
1828	Photocatalytic properties BiOCl and Bi ₂ O ₃ nanofibers prepared by electrospinning. 2008 , 59, 332-335	226
1827	Nanohybrid PVA/ZrO ₂ and PVA/Al ₂ O ₃ electrospun mats. 2008 , 145, 169-175	50
1826	Enhanced ferroelectric phase content of polyvinylidene difluoride fibers with the addition of magnetic nanoparticles. 2008 , 24, 8435-8	119
1825	Recent Advances in Polymer Fibers. 2008 , 48, 221-229	63
1824	The fabrication and electrochemical properties of electrospun nanofibers of a multiwalled carbon nanotube grafted by chitosan. 2008 , 19, 105707	16
1823	Polymer single-nanowire optical sensors. 2008 , 8, 2757-61	268
1822	A Simple Route from Monomeric Nanofibers to Zinc Oxide/Zinc Sulfide Nanoparticle/Polymer Composites through the Combined Use of γ -irradiation Polymerization, Gas/Solid Reaction and Thermal Decomposition. 2008 , 112, 16470-16477	14

1821	Electrospinning of polyvinylidene difluoride-based nanocomposite fibers. 2008 , 23, 105-114	16
1820	Controlled deposition of electrospinning jet by electric field distribution from an insulating material surrounding the barrel of the polymer solution. 2008 , 15, 269-276	13
1819	Electrospinning Preparation and Luminescence Properties of Europium Complex/Polymer Composite Fibers. 2008 , 112, 9155-9162	96
1818	A constant-current electrospinning system for production of high quality nanofibers. 2008 , 79, 093904	34
1817	Optical and electrical properties of indium tin oxide nanofibers prepared by electrospinning. 2008 , 19, 145603	58
1816	Electrospun Biopolymer-Based Micro/Nanofibers. 2008 ,	
1815	Carbon nanotubes on carbon fabrics for flexible field emitter arrays. 2008 , 93, 053107	14
1814	A fast, high throughput, and low-cost microfluidic bioassays for detecting HIV. 2008 ,	
1813	A simple method for preparation of molecularly imprinted nanofiber materials with signal transduction ability. 2008 , 2022-4	29
1812	Preparation of self-supporting hierarchical nanostructured anatase/rutile composite TiO ₂ film. 2008 , 3293-5	72
1811	In Situ Growth Kinetics of Hydroxyapatite on Electrospun Poly(dl-lactide) Fibers with Gelatin Grafted. 2008 , 8, 4576-4582	52
1810	Co-Electrospun BaTiO ₃ Hollow Fibers Combined with Sol-Gel Method. 2008 , 29, 1345-1348	10
1809	Coaxial electrospinning of microfibrils with liquid crystal in the core. 2008 , 5420-2	77
1808	3D bio-nanofibrous PPy/SIBS mats as platforms for cell culturing. 2008 , 3729-31	39
1807	Confinement-induced super strong PS/MWNT composite nanofibers. 2008 , 84, 56002	47
1806	Antibacterial and antimycotic activity of a cross-linked electrospun poly(vinyl pyrrolidone)-iodine complex and a poly(ethylene oxide)/poly(vinyl pyrrolidone)-iodine complex. 2008 , 19, 373-86	25
1805	Novel Porphyrinated Polyimide Nanofibers by Electrospinning. 2008 , 112, 10609-10615	32
1804	Crystallization Behavior of Electrospun PB/PMP Blend Fibrous Membranes. 2008 , 41, 3144-3148	18

1803	Thermoreversible hydrogels from RAFT-synthesized BAB triblock copolymers: steps toward biomimetic matrices for tissue regeneration. 2008 , 9, 481-6	115
1802	Research on a gel polymer electrolyte for Li-ion batteries. 2008 , 80, 2553-2563	86
1801	Fabrication of Continuous Conducting Gold Wires by Electrospinning. 2008 , 20, 3055-3062	24
1800	Production of uniform-sized polymer core-shell microcapsules by coaxial electrospaying. 2008 , 24, 2446-51	80
1799	Sol-Gel Co-Electrospun LiNiO ₂ Hollow Nanofibers. 2008 , 29, 823-826	9
1798	Fabrication and Characterization of Electrospun Poly(L-Lactic Acid)and Poly(L-Lactide-Co-Glycolide) Mats as Wound Dressing. 2008 ,	
1797	Hierarchically Ordered Polymer Nanofibers via Electrospinning and Controlled Polymer Crystallization. 2008 , 41, 9516-9521	78
1796	Biomimetic nanofiber patterns with controlled wettability. 2008 , 4, 2429	133
1795	Nanomechanical Characterization of One-Dimensional Nanostructures. 2008 , 102-117	
1794	Electrospinning of natural proteins for tissue engineering scaffolding. 2008 , 446-482	1
1793	Field-Activated Electroactive Polymers. 2008 , 33, 183-187	62
1792	Enhanced composite electrospun nanofiber scaffolds for use in drug delivery. 2008 , 5, 1093-106	62
1791	Tuning hierarchical architecture of 3D polymeric scaffolds for cardiac tissue engineering. 2008 , 3, 97-110	20
1790	Electrospinning: processing technique for tissue engineering scaffolding. 2008 , 53, 257-274	125
1789	Mechanical characterization of single high-strength electrospun polyimide nanofibres. 2008 , 41, 025308	53
1788	Preparation and characterisation of ultrafine and uniform TiO ₂ nanofibres. 2008 , 24, 241-244	12
1787	Dual electrode mode electrospinning of biodegradable polymers. 2008 , 92, 213114	6
1786	A nonlinear system model for electrospinning sub-100 nm polyacrylonitrile fibres. 2008 , 19, 035707	19

1785	Chitosan-based scaffolds in orthopedic applications. 2008 , 357-373	8
1784	Electrospun elastin and collagen nanofibers and their application as biomaterials. 2008 , 315-336	1
1783	A hybrid twin screw extrusion/electrospinning method to process nanoparticle-incorporated electrospun nanofibres. 2008 , 19, 165302	64
1782	The application of poly(N-isopropylacrylamide)-co-polystyrene nanofibers as an additive agent to facilitate the cellular uptake of an anticancer drug. 2008 , 19, 165102	18
1781	Photoluminescence of Electrospun Poly-Methyl-Methacrylate:Alq 3 Composite Fibres. 2008 , 25, 4453-4455	2
1780	Fabrication and Optical Properties of Electrospun Conductive Polymer Nanofibers from Blended Polymer Solution. 2008 , 47, 787-793	32
1779	Synthesis of palladium with different nanoscale structures by sputtering deposition onto fiber templates. 2008 , 2, 021925	3
1778	Fabrication of nanopores with subnanometer precision on poly(methyl methacrylate) nanofibers by in situ electron beam irradiation. 2008 , 26, L28	2
1777	Patterned indium tin oxide nanofiber films and their electrical and optical performance. 2008 , 19, 375601	34
1776	Applications of electrospun fibers. 2008 , 2, 169-82	115
1775	Electrospun nanostructured TiO ₂ gas sensors. 2008 ,	1
1774	Rippling of polymer nanofibers. 2008 , 78, 061804	22
1773	LiCoO ₂ Hollow Nanofibers by Co-Electrospinning Sol-Gel Precursor. 2008 , 29, 702-705	16
1772	Turning electrospun poly(methyl methacrylate) nanofibers into graphitic nanostructures by in situ electron beam irradiation. 2008 , 103, 046105	7
1771	Improved and excellent humidity sensitivities based on KCl-doped TiO ₂ electrospun nanofibers. 2008 , 93, 023105	46
1770	Electrohydrodynamic atomization: a versatile process for preparing materials for biomedical applications. 2008 , 19, 573-601	74
1769	Taking Advantage of Tailored Electrostatics and Complementary Hydrogen Bonding in the Design of Nanostructures for Biomedical Applications. 2008 , 270, 1-7	31
1768	Detection of Explosives using nanofibrous membranes. 2008 ,	

- 1767 Enhanced active piezoelectric 0-3 nanocomposites fabricated through electrospun nanowires. **2008**, 103, 124108 29
- 1766 Functional Self-Assembled Nanofibers by Electrospinning. **2008**, 107-171 26
- 1765 Enzyme-Nanofiber Composites for Biocatalysis Applications. **2008**, 254-262 2
- 1764 Polymers in Special Uses. **2008**, 2-1-2-163
- 1763 Preparation of Cellulose Nanofibers/Nanoparticles via Electrospray. **2008**, 37, 114-115 25
- 1762 Preparation and Surface Modification of Poly(acrylonitrile-co-acrylic acid) Electrospun Nanofibrous Membranes. **2008**, 61, 446 9
- 1761 Ultrafine Electrospun Conducting Polymer Blend Fibers and Their Photoluminescence Properties. **2008**, 264, 80-89 13
- 1760 Durable Nonwoven Fabrics via Fracturing Bicomponent Islands-in-the-Sea Filaments. **2008**, 3, 155892500800306
- 1759 Electrospinning Fabrication of Polycrystalline LaCrO₃ Porous Hollow Nanofibers. **2009**, 1,
- 1758 Modern Applied Science, Vol. 3, No. 1, January 2009, all in one file. **2009**, 3,
- 1757 . **2009**, 171
- 1756 Electrospinning and Characterisation of Poly(vinyl alcohol) Blend Submicron Fibres in Aqueous Solutions. **2009**, 17, 47-54 9
- 1755 Electrospinning Preparation of LaFeO₃ Nanofibers. **2009**, 3,
- 1754 . **2009**, 1
- 1753 Applied Physics Research, Vol. 1, No. 1, 2009. **2009**, 1,
- 1752 Applied Physics Research, Vol. 1, No. 2, November 2009, all in one file. **2009**, 1,
- 1751 Fabrication of LaNiO₃ Porous Hollow Nanofibers via an Electrospinning Technique. **2009**, 3, 2
- 1750 Synthesis of LaMnO₃ Nanofibers via Electrospinning. **2009**, 1, 4

1749	Coaxial electrospinning of liquid crystal-containing poly(vinylpyrrolidone) microfibrils. 2009 , 5, 58	30
1748	Caracterizaçã de filmes de PVDF obtidos por diferentes t�nicas. 2009 , 19, 183-189	10
1747	Antimicrobial Activity of Ultra-fine Fiber Nonwoven Fabrics Produced by Electrospinning. 2009 , 21, 287-290	2
1746	Semiconducting ZnO Nanofibers as Gas Sensors and Gas Response Improvement by SnO ₂ Coating. 2009 , 31, 636-641	19
1745	Preparation of LaFeO ₃ Porous Hollow Nanofibers by Electrospinning. 2009 , 1,	9
1744	Experimental and theoretical study on the synthesis of nanofibers by laser spinning. 2009 ,	
1743	Growth and characterization of aligned ultralong and diameter-controlled silicon nanotubes by hot wire chemical vapor deposition using electrospun poly(vinyl pyrrolidone) nanofiber template. 2009 , 106, 124315	15
1742	Preparation and Optical Properties of Long Afterglow Europium-Doped Ca(Sr)Al ₂ Si ₂ O ₈ Electrospun Nanofibers. 2009 , 156, J356	9
1741	Photoluminescent and crystalline properties of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ phosphor nanofibers prepared by electrospinning. 2009 , 105, 064311	18
1740	Intense Red and Yellow Emissions from Sr ₂ SiO ₄ :Eu ³⁺ (Eu ²⁺) Electrospun Nanofibers. 2009 , 156, J347	13
1739	Electrospun Nanofiber Networks for Electronics and Optics. 2009 , 1240, 1	3
1738	Fabrication and Luminescent Properties of Eu ³⁺ Doped Lanthanide Oxide Nanowires and Nanotubes by Electrospinning. 2009 ,	
1737	Nanostructured Conducting Polymer Biomaterials and their Applications in Controlled Drug Delivery. 279-299	2
1736	Electrospinning of functional poly(methyl methacrylate) nanofibers containing cyclodextrin-menthol inclusion complexes. 2009 , 20, 125703	65
1735	Measuring the glass-transition temperature in electrospun polyvinyl alcohol fibers using AFM nanomechanical bending tests. 2009 , 1185, 101	
1734	Preparation of macroporous carbon nanofibers with macroscopic openings in the surfaces and their applications. 2009 , 20, 445702	17
1733	Electrospun Polyacrylonitrile Nanocomposite Fibers Reinforced with Magnetic Nanoparticles. 2009 , 1240, 1	1
1732	New directions in nanofibrous scaffolds for soft tissue engineering and regeneration. 2009 , 6, 515-32	90

1731	Anisotropic Porous Biodegradable Scaffolds for Musculoskeletal Tissue Engineering. 2009 , 2, 1674-1696	38
1730	The Use of Digital Image Analysis and Rheological Tools to Characterize Nanofiber Based Textiles. 2009 ,	
1729	Engineering on the straight and narrow: the mechanics of nanofibrous assemblies for fiber-reinforced tissue regeneration. 2009 , 15, 171-93	166
1728	Electrospun nanofiber meshes with tailored architectures and patterns as potential tissue-engineering scaffolds. 2009 , 1, 015001	62
1727	Tunable Emission of BCNO Nanoparticle-Embedded Polymer Electrospun Nanofibers. 2009 , 12, K53	19
1726	Fabrication and electrical properties of platinum nanofibres by electrostatic spinning. 2009 , 42, 125409	12
1725	Efficient Carbon Nanotube Field Emitter Using Electrospun Carbon Nanofibers as a Flexible Electrode. 2009 , 1173, 7	
1724	Electrospinning and its influence on the structure of polymeric nanofibers. 2009 , 460-483	1
1723	Comparison of Electrospun PBSU and PLGA Scaffolds Applied in Vascular Tissue Engineering. 2009 , 2, 27-38	2
1722	Tissue engineering with meniscus cells derived from surgical debris. 2009 , 17, 336-45	100
1721	Effects of surface modification of β -CaSiO ₃ on electrospun poly(butylene succinate)/ β -CaSiO ₃ composite fibers. 2009 , 118, 379-384	8
1720	Electrospinning preparation and characterization of a new kind of composite nanomaterials: One-dimensional composite nanofibers doped with TiO ₂ nanoparticles and Ru(II) complex. 2009 , 44, 2081-2086	9
1719	Free standing thin webs of porous carbon nanofibers of polyacrylonitrile containing iron-oxide by electrospinning. 2009 , 63, 218-220	41
1718	Preparation of chitosan/PLA blend micro/nanofibers by electrospinning. 2009 , 63, 658-660	130
1717	Novel wet electrospinning system for fabrication of spongiform nanofiber 3-dimensional fabric. 2009 , 63, 754-756	121
1716	Self-aligned and bundled electrospun fibers prepared from blends of polystyrene (PS) and poly(methyl methacrylate) (PMMA) with a hairy-rod polyphenylene copolymer. 2009 , 63, 1638-1641	13
1715	Fabrication and photocatalytic activity of TiO ₂ nanofiber membrane. 2009 , 63, 1761-1763	89
1714	Preparation and characterization of magnetic nanofibrous composite membranes with catalytic activity. 2009 , 63, 1810-1813	16

1713	High-voltage, electric field-driven micro/nanofabrication for polymeric drug delivery systems. 2009 , 28, 23-30		17
1712	Novel route to stabilization of bioactive antioxidants by encapsulation in electrospun fibers of zein prolamine. 2009 , 23, 1427-1432		215
1711	A Combinatorial Approach for Colorimetric Differentiation of Organic Solvents Based on Conjugated Polymer-Embedded Electrospun Fibers. 2009 , 19, 209-214		106
1710	Electrospinning of Manmade and Biopolymer Nanofibers Progress in Techniques, Materials, and Applications. 2009 , 19, 2863-2879		208
1709	Bioinspired Material Approaches to Sensing. 2009 , 19, 2527-2544		81
1708	High-Performance Multifunctional TiO ₂ Nanowire Ultrafiltration Membrane with a Hierarchical Layer Structure for Water Treatment. 2009 , 19, 3731-3736		206
1707	Assembly of Multi-Stranded Nanofiber Threads through AC Electrospinning. <i>Advanced Materials</i> , 2009 , 21, 349-354	24	55
1706	Energy Transfer in Fluorescent Nanofibers Embedding Dye-Loaded Zeolite L Crystals. <i>Advanced Materials</i> , 2009 , 21, 1146-1150	24	42
1705	Highly Reactive Multilayer-Assembled TiO ₂ Coating on Electrospun Polymer Nanofibers. <i>Advanced Materials</i> , 2009 , 21, 1252-1256	24	137
1704	Core-Sheath Nanofibers Containing Colloidal Arrays in the Core for Programmable Multi-Agent Delivery. <i>Advanced Materials</i> , 2009 , 21, 968-972	24	96
1703	Hollow Micro/Nanomaterials with Multilevel Interior Structures. <i>Advanced Materials</i> , 2009 , 21, 3621-3638	24	571
1702	Role of Mn of PEG in the morphology and properties of electrospun PEG/CA composite fibers for thermal energy storage. 2009 , 55, 820-827		33
1701	Multifunctional hydroxyapatite nanofibers and microbelts as drug carriers. 2009 , 15, 6973-82		80
1700	Incorporation of electrospun nanofibrous PVDF membranes into a microfluidic chip assembled by PDMS and scotch tape for immunoassays. 2009 , 30, 3269-75		53
1699	Electrospinning of multicomponent ultrathin fibrous nonwovens for semi-occlusive wound dressings. 2009 , 89, 345-54		26
1698	Factorial design optimization and in vivo feasibility of poly(epsilon-caprolactone)-micro- and nanofiber-based small diameter vascular grafts. 2009 , 89, 865-75		119
1697	Fabrication of silk fibroin blended P(LLA-CL) nanofibrous scaffolds for tissue engineering. 2010 , 93, 984-93		49
1696	Chitosan-coated poly(vinyl alcohol) nanofibers for wound dressings. 2010 , 92, 568-76		35

1695	Morphology and Photophysical Properties of DB-PPV/PMMA Luminescent Electrospun Fibers. 2009 , 210, 918-925	8
1694	Comparison of the Effects of an Ionic Liquid and Triethylbenzylammonium Chloride on the Properties of Electrospun Fibers, 1 [Poly(lactic acid)]. 2009 , 294, 35-44	30
1693	A Solvent-Assisted Compression Molded of Poly(L-lactide)/Hydroxyapatite Electrospun Fibers for Robust Engineered Scaffold Systems. 2009 , 294, 699-704	16
1692	Disulfide-crosslinked electrospun poly(γ -glutamic acid) nonwovens as reduction-responsive scaffolds. 2009 , 9, 568-74	52
1691	In Poly(p-xylylen)-Nanofibren eingeschlossene Dendrimere als wiederverwendbare Katalysatoren. 2009 , 121, 9035-9038	7
1690	Multikompartimentmaterialien durch einen kombinierten elektrohydrodynamischen Strahl. 2009 , 121, 8758-8761	3
1689	Reusable catalysts based on dendrimers trapped in poly(p-xylylene) nanotubes. 2009 , 48, 8874-7	27
1688	Multicompartmental materials by electrohydrodynamic cojetting. 2009 , 48, 8606-9	45
1687	Poly(vinyl alcohol)/chitosan oligosaccharide blend submicrometer fibers prepared from aqueous solutions by the electrospinning method. 2009 , 111, 132-140	37
1686	Flame resistant electrospun polymer nanofibers from deoxybenzoin-based polymers. 2009 , 111, 301-307	26
1685	Modification of electrospun poly(vinylidene fluoride-co-hexafluoropropylene) membranes through the introduction of poly(ethylene glycol) dimethacrylate. 2009 , 111, 3104-3112	13
1684	Thermochromic core-shell nanofibers fabricated by melt coaxial electrospinning. 2009 , 112, 269-274	67
1683	PVDF/PMMA composite nanofiber fabricated by electrospray deposition: Crystallization of PVDF induced by solvent extraction of PMMA component. 2009 , 112, 1868-1872	13
1682	Electrospun nanocomposites from polystyrene loaded with cellulose nanowhiskers. 2009 , 113, 927-935	164
1681	Electrospinning fabrication and characterization of poly(vinyl alcohol)/montmorillonite nanofiber mats. 2009 , 113, 1860-1867	65
1680	Electrospinning of poly(vinyl pyrrolidone): Effects of solvents on electrospinnability for the fabrication of poly(p-phenylene vinylene) and TiO ₂ nanofibers. 2009 , 114, 2777-2791	72
1679	Controlling the deposition of light-emitting nanofibers/microfibers by the electrospinning of a poly(p-phenylene vinylene) polyelectrolyte precursor. 2009 , 114, 1864-1869	11
1678	Needleless electrospinning. I. A comparison of cylinder and disk nozzles. 2009 , 114, 3524-3530	166

1677	Tensile testing of individual ultrathin electrospun poly(L-lactic acid) fibers. 2009 , 114, 3774-3779	12
1676	Electrospinning and characterization of medium-molecular-weight poly(vinyl alcohol)/high-molecular-weight poly(vinyl alcohol)/montmorillonite nanofibers. 2009 , 287, 751-758	38
1675	Characterization of electrospun ZnO/BnO ₂ nanofibers for ethanol sensor. 2009 , 154, 175-179	89
1674	A nanofibrous hydrogel templated electrochemical actuator: From single mat to a rolled-up structure. 2009 , 136, 438-443	33
1673	Metal-oxide nanostructure and gas-sensing performance. 2009 , 138, 113-119	86
1672	Electrospun nanofibers of polymer composite as a promising humidity sensitive material. 2009 , 141, 390-395	57
1671	A highly sensitive and fast-responding sensor based on electrospun In ₂ O ₃ nanofibers. 2009 , 142, 61-65	139
1670	SiC nanotubes arrays fabricated by sputtering using electrospun PVP nanofiber as templates. 2009 , 203, 3219-3223	42
1669	Surface structure and adsorption properties of ultrafine porous carbon fibers. 2009 , 255, 4159-4163	10
1668	Electrospinning of carboxymethyl chitin/poly(vinyl alcohol) nanofibrous scaffolds for tissue engineering applications. 2009 , 77, 863-869	228
1667	Molecular filters based on cyclodextrin functionalized electrospun fibers. 2009 , 332, 129-137	95
1666	Fabrication of electrospun poly(methyl methacrylate) nanofibrous membranes by statistical approach for application in enzyme immobilization. 2009 , 340, 9-15	51
1665	Nanofiber deposition by electroblowing of PVA (polyvinyl alcohol). 2009 , 44, 1107-1112	20
1664	Processing and properties of poly(ε-caprolactone)/carbon nanofibre composite mats and films obtained by electrospinning and solvent casting. 2009 , 44, 4789-4795	30
1663	High surface area nonwovens via fibrillating spunbonded nonwovens comprising Islands-in-the-Sea bicomponent filaments: structure-process-property relationships. 2009 , 44, 5926-5934	27
1662	Electrospun submicron bioactive glass fibers for bone tissue scaffold. 2009 , 20, 793-8	63
1661	Bicomponent AgCl/PVP nanofibre fabricated by electrospinning with gel-sol method. 2009 , 32, 161-164	9
1660	In situ Characterization of Nanomechanical Behavior of Free-standing Nanostructures. 2009 , 49, 191-205	5

- 1659 Control of the morphology of micro/nanostructures of polycarbonate via electrospinning. **2009**, 54, 2911-2917 17
- 1658 SiC Nanorods Grown on Electrospun Nanofibers Using Tb as Catalyst: Fabrication, Characterization, and Photoluminescence Properties. **2009**, 4, 814-9 19
- 1657 Nanostructures and magnetic properties of cobalt ferrite (CoFe₂O₄) fabricated by electrospinning. **2009**, 97, 167-177 112
- 1656 A novel method for preparing electrospun fibers with nano-/micro-scale porous structures. **2009**, 63, 259-265 42
- 1655 Mass production of nanofibre assemblies by electrostatic spinning. **2009**, 58, 331-342 121
- 1654 Effects of fiber diameter and CO₂ activation temperature on the pore characteristics of polyacrylonitrile based activated carbon nanofibers. **2009**, 41, 814-819 45
- 1653 Laser emission from electrospun polymer nanofibers. **2009**, 5, 562-6 150
- 1652 Electrospun nanoparticle-nanofiber composites via a one-step synthesis. **2009**, 5, 944-51 135
- 1651 Confined assembly of asymmetric block-copolymer nanofibers via multiaxial jet electrospinning. **2009**, 5, 2323-32 87
- 1650 One-dimensional composite nanomaterials: synthesis by electrospinning and their applications. **2009**, 5, 2349-70 73⁰
- 1649 Preparation of porous ultrafine polyacrylonitrile (PAN) fibers by electrospinning. **2009**, 20, 147-150 61
- 1648 Dye, fluorophores and pigment coloration of nanofibers produced by electrospinning. **2009**, 20, 111-121 22
- 1647 Preparation of biaxial orientation mats from single fibers. **2009**, 21, n/a-n/a 1
- 1646 Barbed nanowires from polymers via electrospinning. **2009**, 49, 148-153 14
- 1645 Effects of the spin line temperature profile and melt index of poly(propylene) on melt-electrospinning. **2009**, 49, 391-396 40
- 1644 Needleless electrospinning of nanofibers with a conical wire coil. **2009**, 49, 1582-1586 169
- 1643 Fabrication of carbon fibers with nanoporous morphologies from electrospun polyacrylonitrile/poly(L-lactide) blends. **2009**, 47, 493-503 35
- 1642 Polymer nanofibre junctions of attolitre volume serve as zeptomole-scale chemical reactors. **2009**, 1, 80-6 75

1641	Activation of lactoperoxidase system in milk by glucose oxidase immobilized in electrospun polylactide microfibers. 2009 , 74, C170-6	34
1640	Electrospun zein fibers as carriers to stabilize (-)-epigallocatechin gallate. 2009 , 74, C233-40	157
1639	Nanomanufacturing of random branching material architectures. 2009 , 86, 467-478	28
1638	Effect of added nickel nitrate on the physical, thermal and morphological characteristics of polyacrylonitrile-based carbon nanofibers. 2009 , 162, 75-81	50
1637	The influence of fiber diameter of electrospun substrates on neural stem cell differentiation and proliferation. 2009 , 30, 556-64	603
1636	Electrospun palladium (IV)-doped copper oxide composite nanofibers for non-enzymatic glucose sensors. 2009 , 11, 1811-1814	72
1635	Electrospinning of cyclodextrin functionalized polyethylene oxide (PEO) nanofibers. 2009 , 45, 1032-1037	86
1634	Physical properties of ion beam treated electrospun poly(vinyl alcohol) nanofibers. 2009 , 45, 1349-1358	34
1633	Preparation of nonwoven polyimide/silica hybrid nanofiberous fabrics by combining electrospinning and controlled in situ sol-gel techniques. 2009 , 45, 2767-2778	64
1632	Simulation study on the influence of an electric field on water evaporation. 2009 , 904, 83-90	42
1631	Fabrication of a submicron patterned electrode using an electrospun single fiber as a shadow-mask. 2009 , 518, 647-650	12
1630	Improved NH ₃ , C ₂ H ₅ OH, and CH ₃ COCH ₃ sensing properties of SnO ₂ nanofibers by adding block copolymer P123. 2009 , 141, 174-178	54
1629	Low temperature high sensor response nano gas sensor using ITO nanofibers. 2009 , 143, 71-75	36
1628	High flux nanofiltration membranes based on interfacially polymerized polyamide barrier layer on polyacrylonitrile nanofibrous scaffolds. 2009 , 326, 484-492	219
1627	Electrospinning preparation, characterization and photocatalytic properties of Bi ₂ O ₃ nanofibers. 2009 , 333, 242-8	168
1626	Preparation and biodegradation of electrospun PLLA/keratin nonwoven fibrous membrane. 2009 , 94, 1800-1807	60
1625	Electrospun polyacrylonitrile/zinc chloride composite nanofibers and their response to hydrogen sulfide. 2009 , 50, 605-612	62
1624	Electrospinning of cyclodextrin functionalized poly(methyl methacrylate) (PMMA) nanofibers. 2009 , 50, 475-480	67

1623	High Precision Deposition Electrospinning of nanofibers and nanofiber nonwovens. 2009 , 50, 1197-1205	75
1622	Crystal polymorphism in electrospun composite nanofibers of poly(vinylidene fluoride) with nanoclay. 2009 , 50, 2133-2141	185
1621	Composite nanofibers of conducting polymers and hydrophobic insulating polymers: Preparation and sensing applications. 2009 , 50, 3292-3301	84
1620	Morphology, structure and properties of conductive PS/CNT nanocomposite electrospun mat. 2009 , 50, 3329-3342	127
1619	Tailored surface properties of semi-fluorinated block copolymers by electrospinning. 2009 , 50, 3103-3110	42
1618	Poly(l-lactide-co-ε-caprolactone) electrospun nanofibers for encapsulating and sustained releasing proteins. 2009 , 50, 4212-4219	78
1617	Electrospun polyacrylonitrile nanocomposite fibers reinforced with Fe ₃ O ₄ nanoparticles: Fabrication and property analysis. 2009 , 50, 4189-4198	292
1616	Scaling law on particle-to-fiber formation during electrospinning. 2009 , 50, 4935-4943	120
1615	Recombinant proteins as advanced materials for the post-oil age. 2009 , 50, 5159-5169	100
1614	Electrospinning nanoribbons of a bioengineered silk-elastin-like protein (SELP) from water. 2009 , 50, 5828-5836	55
1613	Experimental investigations on the multi-jet electrospinning process. 2009 , 209, 5178-5185	136
1612	Preparation of NiZn-ferrite nanofibers by electrospinning for DNA separation. 2009 , 321, 1389-1392	40
1611	Preparation and luminescence properties of Ce ³⁺ and/or Tb ³⁺ doped LaPO ₄ nanofibers and microbelts by electrospinning. 2009 , 182, 698-708	74
1610	Design of ultra-fine nonwovens via electrospinning of Nylon 6: Spinning parameters and filtration efficiency. 2009 , 30, 3659-3666	139
1609	Electrospun polystyrene fibers containing high temperature stable volatile fragrance/flavor facilitated by cyclodextrin inclusion complexes. 2009 , 69, 145-150	72
1608	Ultrafine electrospun fibers based on stearyl stearate/polyethylene terephthalate composite as form stable phase change materials. 2009 , 150, 269-274	74
1607	Nanoparticle processing for optical applications [A review]. 2009 , 20, 283-292	91
1606	The differentiation of embryonic stem cells seeded on electrospun nanofibers into neural lineages. 2009 , 30, 354-62	378

1605	Three-dimensional network films of electrospun copper oxide nanofibers for glucose determination. 2009 , 25, 708-14	259
1604	Porous carbon nanofibers from electrospun polyacrylonitrile/SiO ₂ composites as an energy storage material. 2009 , 47, 3346-3354	204
1603	Novel antimicrobial ultrathin structures of zein/chitosan blends obtained by electrospinning. 2009 , 77, 261-266	148
1602	Preparation and characterization of electrospun pullulan/montmorillonite nanofiber mats in aqueous solution. 2009 , 78, 336-342	73
1601	Degradable particulate composite reinforced with nanofibres for biomedical applications. 2009 , 5, 1104-14	37
1600	Mild immobilization of diverse macromolecular bioactive agents onto multifunctional fibrous membranes prepared by coaxial electrospinning. 2009 , 5, 1562-74	80
1599	Ultra-fast spreading on superhydrophilic fibrous mesh with nanochannels. 2009 , 255, 4944-4949	28
1598	A novel toluene sensor based on ZnO/BnO ₂ nanofiber web. 2009 , 255, 7343-7347	47
1597	Functional Ag porous films prepared by electrospinning. 2009 , 255, 7623-7626	43
1596	Effect of Process Parameters on the Microstructural Characteristics of Electrospun Poly(Vinyl Alcohol) Fiber Mats. 2009 , 5, 10-16	7
1595	Phenolic Resin-Based Carbon Thin Fibers Prepared by Electrospinning: Additive Effects of Poly(vinyl butyral) and Electrolytes. 2009 , 41, 1124-1128	48
1594	Surface-functionalized electrospun nanofibers for tissue engineering and drug delivery. 2009 , 61, 1033-42	821
1593	Electrospinning of Syndiotactic Polypropylene from a Polymer Solution at Ambient Temperatures. 2009 , 42, 5215-5218	49
1592	Improved Electron Diffusion Coefficient in Electrospun TiO ₂ Nanowires. 2009 , 113, 21538-21542	142
1591	Nanowire crystals of a rigid rod conjugated polymer. 2009 , 131, 17315-20	123
1590	Formation of Oriented, Suspended Fibers by Melting Free Standing Polystyrene Thin Films. 2009 , 42, 6716-6722	6
1589	Electrospinning of poly(dimethylsiloxane)/poly(methyl methacrylate) nanofibrous membrane: fabrication and application in protein microarrays. 2009 , 10, 3335-40	70
1588	Microcontact printing and lithographic patterning of electrospun nanofibers. 2009 , 25, 6015-8	58

1587	Preparation and Luminescence Properties of Gd ₂ MoO ₆ :Eu ³⁺ Nanofibers and Nanobelts by Electrospinning. 2009 , 156, J209	24
1586	Synthesis and protein adsorption of hierarchical nanoporous ultrathin fibers. 2009 , 113, 5837-42	33
1585	Carbon Nanotube-Filled Nanofibrous Membranes Electrospun from Poly(acrylonitrile-co-acrylic acid) for Glucose Biosensor. 2009 , 113, 2955-2960	61
1584	Porous carbon nanofibers loaded with manganese oxide particles: Formation mechanism and electrochemical performance as energy-storage materials. 2009 , 19, 5593	105
1583	Free-Standing Palladium/Polyamide 6 Nanofibers for Electrooxidation of Alcohols in Alkaline Medium. 2009 , 113, 16174-16180	38
1582	Ice-Templating Synthesis of Polyaniline Microflakes Stacked by One-Dimensional Nanofibers. 2009 , 113, 9047-9052	26
1581	Porous Nylon-6 Fibers via a Novel Salt-Induced Electrospinning Method. 2009 , 42, 709-715	104
1580	Electroluminescent organic light emitting micro/nanofibers fabricated using three-fluid coaxial electrospinning. 2009 ,	
1579	Surface Initiated Growth of Poly(ethyl 2-cyanoacrylate) Nanofibers on Surface-Modified Glass Substrates. 2009 , 21, 831-842	11
1578	A new physical route to produce monodispersed microsphere nanoparticle-polymer composites. 2009 , 25, 11038-42	20
1577	Composite electrospun scaffolds for engineering tubular bone grafts. 2009 , 15, 3779-88	70
1576	Deposition of electrospun fibers on reactive substrates for in vitro investigations. 2009 , 15, 77-85	41
1575	Selective nanofiber deposition through field-enhanced electrospinning. 2009 , 25, 9648-52	72
1574	Biomedical Polymer Nanofibers for Emerging Technology. 2009 , 21-42	1
1573	Morphological characterization of electrospun carbon nanofiber mats of polyacrylonitrile containing heteropolyacids. 2009 , 159, 1496-1504	17
1572	Nickel/carbon nanofibers composite electrodes as supercapacitors prepared by electrospinning. 2009 , 478, 371-374	103
1571	Degradation behaviors of electrospun resorbable polyester nanofibers. 2009 , 15, 333-51	125
1570	Synthesis of continuous boron nitride nanofibers by solution coating electrospun template fibers. 2009 , 20, 345603	33

1569	Morphology Dependent Luminescence Properties of Co Doped TiO ₂ Nanostructures. 2009 , 113, 14783-14792	138
1568	A metal matrix composite prepared from electrospun TiO ₂ nanofibers and an Al 1100 alloy via friction stir processing. 2009 , 1, 987-91	14
1567	Multiaction antibacterial nanofibrous membranes fabricated by electrospinning: an excellent system for antibacterial applications. 2009 , 20, 245101	35
1566	Gas sensors based on electrospun nanofibers. 2009 , 9, 1609-24	326
1565	Polarized Luminescence Properties of TiO ₂ :Sm ³⁺ Microfibers and Microbelts Prepared by Electrospinning. 2009 , 113, 9595-9600	32
1564	Upconversion Luminescence of Er ³⁺ /Yb ³⁺ Codoped NaYF ₄ :YVP Electrospun Nanofibers. 2009 , 21, 57-59	7
1563	Platinum nanowires produced by electrospinning. 2009 , 9, 1307-14	109
1562	Photoelectric performance of poly(p-phenylene vinylene)/Fe ₃ O ₄ nanofiber array. 2009 , 105, 086106	20
1561	Polymer Nanocomposites Characterization by Microscopy. 2009 , 49, 141-180	25
1560	Fabrication of mineralized polymeric nanofibrous composites for bone graft materials. 2009 , 15, 535-46	88
1559	Continuous production of uniform poly(3-hexylthiophene) (P3HT) nanofibers by electrospinning and their electrical properties. 2009 , 19, 743-748	106
1558	Poly(3-hexylthiophene)/Poly(methyl methacrylate) Core-Shell Electrospun Fibers for Sensory Applications. 2009 , 279, 41-47	20
1557	Coarse-grained molecular dynamics study of block copolymer/nanoparticle composites under elongational flow. 2009 , 131, 214904	16
1556	Drawing of Spatially Oriented Electrospun Fibers. 2009 ,	
1555	Alignment of electrospun nanofibers using dielectric materials. 2009 , 95, 143114	40
1554	Effect of carbon nanotube surface modification on dispersion and structural properties of electrospun fibers. 2009 , 95, 233113	46
1553	Assembly of aligned polyvinyl alcohol/4-vinylpyridinium pendent group nanofibres for vascular tissue engineering applications. 2009 , 223, 99-111	1
1552	Biomimetics--a review. 2009 , 223, 919-39	108

1551	Modeling and fabrication of electrospun polymer nanofibers with tailored architectures for tissue engineering scaffold applications. 2009 ,	3
1550	Photoluminescence of Ag nanoparticle embedded Tb ³⁺ /Ce ³⁺ codoped NaYF ₄ /PVP nanofibers prepared by electrospinning. 2009 , 20, 055707	27
1549	Tailored polymer-based nanofibers and nanotubes by means of different infiltration methods into alumina nanopores. 2009 , 25, 1181-7	104
1548	How to mimic the shapes of plant tendrils on the nano and microscale: spirals and helices of electrospun liquid crystalline cellulose derivatives. 2009 , 5, 2772	31
1547	The formation and characterization of cyclodextrin functionalized polystyrene nanofibers produced by electrospinning. 2009 , 20, 125605	34
1546	Wettability of electrospun poly(vinylpyrrolidone)-titania fiber mats on glass and ITO substrates in aqueous media. 2009 , 1, 2325-31	20
1545	Neurite outgrowth on nanofiber scaffolds with different orders, structures, and surface properties. 2009 , 3, 1151-9	211
1544	Nano-confinement induced chain alignment in ordered P3HT nanostructures defined by nanoimprint lithography. 2009 , 3, 3085-90	288
1543	Electrospun polyacrylonitrile fibers with dispersed Si nanoparticles and their electrochemical behaviors after carbonization. 2009 , 19, 4992	95
1542	Large-scale synthesis of flexible free-standing SERS substrates with high sensitivity: electrospun PVA nanofibers embedded with controlled alignment of silver nanoparticles. 2009 , 3, 3993-4002	338
1541	Electrospun Nanofibrous Film Doped with a Conjugated Polymer for DNT Fluorescence Sensor. 2009 , 42, 6501-6509	149
1540	Fabrication of porous carbon nanofibers and their application as anode materials for rechargeable lithium-ion batteries. 2009 , 20, 155705	192
1539	Superhydrophobic Titania Membranes of Different Adhesive Forces Fabricated by Electrospinning. 2009 , 113, 14220-14224	84
1538	Chemical protection fabrics via surface oximation of electrospun polyacrylonitrile fiber mats. 2009 , 19, 2432	47
1537	Full color control and white emission from conjugated polymer nanofibers. 2009 , 94, 043109	32
1536	Synthesis of CeO ₂ and Y ₂ O ₃ -Doped CeO ₂ Composite Fibers by Electrospinning. 2009 , 27, 203-209	9
1535	Effect of "stagnation plane" in the electric field during the electrospinning process. 2009 , 16, 409-416	3
1534	A simple fabrication of electrospun nanofiber sensing materials based on fluorophore-doped polymer. 2009 , 19, 7290	33

1533	Significant Improvement of Mechanical Properties Observed in Highly Aligned Carbon-Nanotube-Reinforced Nanofibers. 2009 , 113, 4779-4785	104
1532	Novel preparation of transdermal drug-delivery patches and functional wound healing materials. 2009 , 17, 724-9	31
1531	Electrospun Nickel Oxide Hollow Nanostructured Fibers. 2009 , 30, 246-249	7
1530	One-dimensional CaWO ₄ and CaWO ₄ :Tb ³⁺ nanowires and nanotubes: electrospinning preparation and luminescent properties. 2009 , 19, 2737	122
1529	High performance electrospinning system for fabricating highly uniform polymer nanofibers. 2009 , 80, 026106	24
1528	Polymeric Materials for Ex vivo Expansion of Hematopoietic Progenitor and Stem Cells. 2009 , 49, 181-200	23
1527	A Microfabricated Planar Electro spray Array Ionic Liquid Ion Source With Integrated Extractor. 2009 , 18, 679-694	83
1526	Generation of alginate microfibers with a roller-assisted microfluidic system. 2009 , 9, 996-1001	51
1525	A novel route to polymeric sub-micron fibers and their use as templates for inorganic structures. 2009 , 3946-8	40
1524	Surface Engineering of Polymer Membranes. 2009 ,	33
1523	Synthesis of anatase TiO ₂ nanocrystals with exposed {001} facets. 2009 , 9, 2455-9	368
1522	Comparative performance of electrospun collagen nanofibers cross-linked by means of different methods. 2009 , 1, 218-23	92
1521	Functionalization of electrospun ceramic nanofibre membranes with noble-metal nanostructures for catalytic applications. 2009 , 19, 3878	70
1520	Nanodiamond-polymer composite fibers and coatings. 2009 , 3, 363-9	251
1519	Extracellular matrix and tissue engineering applications. 2009 , 19, 5474	54
1518	Electrospray deposition of biomolecules. 2010 , 119, 115-62	8
1517	Bionic electrospun ultrafine fibrous poly(L-lactic acid) scaffolds with a multi-scale structure. 2009 , 4, 035004	37
1516	Full color light-emitting electrospun nanofibers prepared from PFO/MEH-PPV/PMMA ternary blends. 2009 , 47, 463-470	40

1515	Nanostructured Encapsulation Systems. 2009 , 425-479	75
1514	Supercapacitors based on hybrid carbon nanofibers containing multiwalled carbon nanotubes. 2009 , 19, 2810	164
1513	One-dimensional Ce ³⁺ - and/or Tb ³⁺ -doped X ₁ -Y ₂ SiO ₅ nanofibers and microbelts: electrospinning preparation and luminescent properties. 2009 , 48, 6731-9	35
1512	Superhydrophobic electrospun POSS-PMMA copolymer fibres with highly ordered nanofibrillar and surface structures. 2009 , 6418-20	78
1511	Electrospun silk fibroin tubular matrixes for small vessel bypass grafting. 2009 , 24, 52-57	12
1510	Development of Oil-based Composite Materials from Renewable Resources. 2009 , 45, 102-107	
1509	Effects of solution properties on the morphology and diameters of nanofibers fabricated by electrospinning. 2010 ,	
1508	Preparation of polypyrrolone nanofibres by polypyrrolone precursor electrospinning. 2010 , 39, 262-267	3
1507	Development of Composite Fibrous Structure for Electrodes of Electrochemical Reactors Using an Electrospinning Method. 2010 , 47, 171-176	
1506	Carbon Structure in Polyimide Membrane Formed by Ion Irradiation. 2010 , 23, 507-510	1
1505	Fabrication of 3D Co ₃ O ₄ Homoarchitectures via a Novel Template-assisted Coprecipitation Process. 2010 , 39, 944-945	1
1504	Exceptional Photocatalytic Activity of Ordered Mesoporous Bi ₂ O ₃ Thin Films and Electrospun Nanofiber Mats. 2010 , 22, 3079-3085	186
1503	Immobilization of acetylcholinesterase in nanofibrous PVA/BSA membranes by electrospinning. 2010 , 10, 57-64	50
1502	Fabrication of necklace-like structures via electrospinning. 2010 , 26, 1186-90	109
1501	Electrospinning: a fascinating fiber fabrication technique. 2010 , 28, 325-47	3136
1500	APPLICATIONS OF ELECTROSPINNING TECHNIQUE IN DRUG DELIVERY. 2010 , 197, 1315-1338	47
1499	Arranging junctions for nanofibers. 2010 , 2, 218-21	16
1498	The potential of nanofibers and nanobiocides in water purification. 2010 , 36, 68-81	130

1497	Electrospun and Oxidized Cellulosic Materials for Environmental Remediation of Heavy Metals in Groundwater. 2010 , 243-257	2
1496	Cellulose composites prepared using ionic liquids (ILs) - Blood Compatibility to Batteries. 2010 , 133-152	5
1495	Photocatalytic Comparison of TiO ₂ Nanoparticles and Electrospun TiO ₂ Nanofibers: Effects of Mesoporosity and Interparticle Charge Transfer. 2010 , 114, 16475-16480	292
1494	Biocatalytic nylon nanofibrous membranes. 2010 , 398, 3097-103	11
1493	MASMICRO micro-/nano-materials processing, analysis, inspection and materials knowledge management. 2010 , 47, 963-971	4
1492	Electrospinning of polyacrylonitrile fibers from ionic liquid solution. 2010 , 98, 517-523	23
1491	Woven structures produced by depositing electrospun fibers onto ice collectors. 2010 , 98, 757-760	2
1490	Drug release from various thicknesses of layered mats consisting of electrospun polycaprolactone and polyethylene oxide micro/nanofibers. 2010 , 100, 1197-1204	30
1489	Single step electrospinning of chitosan/poly(caprolactone) nanofibers using formic acid/acetone solvent mixture. 2010 , 80, 413-419	175
1488	Epidermal cellular response to poly(vinyl alcohol) nanofibers containing silver nanoparticles. 2010 , 78, 334-42	49
1487	Hierarchical structured ZnO nanorods on ZnO nanofibers and their photoresponse to UV and visible lights. 2010 , 158, 176-182	93
1486	Highly porous SnO ₂ fibers by electrospinning and oxygen plasma etching and its ethanol-sensing properties. 2010 , 144, 43-48	127
1485	Electrospinning fabrication and characterization of poly(vinyl alcohol)/montmorillonite/silver hybrid nanofibers for antibacterial applications. 2010 , 288, 115-121	86
1484	Melt-electrospinning of PMMA. 2010 , 28, 45-53	42
1483	Formation of silica on the surface of electrospun PLLA/PLys nanofibers. 2010 , 11, 406-412	
1482	Studies of electrospinning process of zirconia nanofibers. 2010 , 11, 1119-1122	23
1481	Controlled wall thickness and porosity of polymeric hollow nanofibers by coaxial electrospinning. 2010 , 18, 571-576	65
1480	A new approach for optimization of electrospun nanofiber formation process. 2010 , 27, 340-354	58

1479	Fabrication and applications of metal-oxide nano-tubes. 2010 , 62, 44-49	19
1478	Preparation of Aligned Ultra-long and Diameter-controlled Silicon Oxide Nanotubes by Plasma Enhanced Chemical Vapor Deposition Using Electrospun PVP Nanofiber Template. 2009 , 5, 279-85	20
1477	Synthesis and White-Light Emission of ZnO/HfO(2): Eu Nanocables. 2010 , 5, 1418-1423	17
1476	Electrospun nanofibers: Work for medicine?. 2010 , 4, 29-33	21
1475	Preparation and characterization of composite fibers from organic-soluble chitosan and poly-vinylpyrrolidone by electrospinning. 2010 , 4, 64-69	6
1474	Fiber scaffolds of polysialic acid via electrospinning for peripheral nerve regeneration. 2010 , 21, 2115-24	15
1473	Functionalization of electrospun fibers of poly(epsilon-caprolactone) with star shaped NCO-poly(ethylene glycol)-stat-poly(propylene glycol) for neuronal cell guidance. 2010 , 21, 2637-51	30
1472	Electrospinning of small diameter 3-D nanofibrous tubular scaffolds with controllable nanofiber orientations for vascular grafts. 2010 , 21, 3207-15	125
1471	Electronic characterization and photocatalytic properties of TiO ₂ /CdO electrospun nanofibers. 2010 , 45, 1272-1279	48
1470	Solvent control of cellulose acetate nanofibre felt structure produced by electrospinning. 2010 , 45, 1299-1306	38
1469	Effect of annealing on aqueous stability and elastic modulus of electrospun poly(vinyl alcohol) fibers. 2010 , 45, 2456-2465	31
1468	Physiochemical characterizations of electrospun (ZnO/CeO ₂) nanofibers and their optical properties. 2010 , 45, 3833-3840	6
1467	Science and engineering of electrospun nanofibers for advances in clean energy, water filtration, and regenerative medicine. 2010 , 45, 6283-6312	188
1466	Three-dimensional hierarchical CeO ₂ nanowalls/TiO ₂ nanofibers heterostructure and its high photocatalytic performance. 2010 , 55, 105-110	27
1465	Synthesis and characterization of cobalt chloride/poly(ethylene oxide) electrospun hybrid nanofibers. 2010 , 55, 235-241	10
1464	Preparation and characterization of Ag nanoparticle-embedded polymer electrospun nanofibers. 2010 , 12, 1319-1329	35
1463	Titanium dioxide-coated nanofibers for advanced filters. 2010 , 12, 2511-2519	39
1462	Multicomponent amorphous nanofibers electrospun from hot aqueous solutions of a poorly soluble drug. 2010 , 27, 2466-77	72

1461	Simple approach to fabricate AgBr nanoparticles/polyvinylpyrrolidone microspheres. 2010 , 5, 234	1
1460	Fabrication of copper sulfide microstructures with the bottle- and thorny rod-shape. 2010 , 120, 431-437	17
1459	Fabrication of TiO ₂ /ZnO composite nanofibers by electrospinning and their photocatalytic property. 2010 , 121, 432-439	178
1458	Fabrication of lead-free (Na _{0.82} K _{0.18}) _{0.5} Bi _{0.5} TiO ₃ piezoelectric nanofiber by electrospinning. 2010 , 45, 717-721	14
1457	Preparation of silica-sustained electrospun polyvinylpyrrolidone fibers with uniform mesopores via oxidative removal of template molecules by H ₂ O ₂ treatment. 2010 , 45, 830-837	8
1456	Fabrication, structure, and enhanced photocatalytic properties of hierarchical CeO ₂ nanostructures/TiO ₂ nanofibers heterostructures. 2010 , 45, 1406-1412	59
1455	LaOCl nanofibers derived from electrospun PVA/Lanthanum chloride composite fibers. 2010 , 64, 6-8	30
1454	Fabrication of ordered TiO ₂ nanoribbon arrays by electrospinning. 2010 , 64, 428-430	22
1453	Electrospun SrRe _{0.6} Fe _{11.4} O ₁₉ magnetic nanofibers: Fabrication and characterization. 2010 , 64, 586-588	22
1452	Electrospinning preparation and properties of NaGdF ₄ :Eu ³⁺ nanowires. 2010 , 12, 1837-1842	14
1451	Polyblend nanofibers for biomedical applications: perspectives and challenges. 2010 , 28, 189-97	172
1450	A comprehensive review of surface modification for neural cell adhesion and patterning. 2010 , 93, 1209-24	50
1449	Fabrication and in vitro and in vivo cell infiltration study of a bilayered cryogenic electrospun poly(D,L-lactide) scaffold. 2010 , 94, 1141-9	27
1448	Creating conductive structures for cell growth: growth and alignment of myogenic cell types on polythiophenes. 2010 , 95, 256-68	52
1447	In vitro hydrolytic and enzymatic degradation of nestlike-patterned electrospun poly(D,L-lactide-co-glycolide) scaffolds. 2010 , 95, 755-65	35
1446	Pt immobilization on TiO ₂ -embedded carbon nanofibers using photodeposition. 2010 , 45, 1079-1082	5
1445	GraphenePolymer Nanofiber Membrane for Ultrafast Photonics. 2010 , 20, 782-791	382
1444	Nanofibrous Patches for Spinal Cord Regeneration. 2010 , 20, 1433-1440	41

1443	Fabrication of Density Gradients of Biodegradable Polymer Microparticles and Their Use in Guiding Neurite Outgrowth. 2010 , 20, 1632-1637	38
1442	Electrodeposition on nanofibrous polymer scaffolds: Rapid mineralization, tunable calcium phosphate composition and topography. 2010 , 20, 3568-3576	88
1441	Electrospinning Derived One-Dimensional LaOCl: Ln ³⁺ (Ln = Eu/Sm, Tb, Tm) Nanofibers, Nanotubes and Microbelts with Multicolor-Tunable Emission Properties. 2010 , 20, 3446-3456	196
1440	Magnetic-field-assisted electrospinning of aligned straight and wavy polymeric nanofibers. <i>Advanced Materials</i> , 2010 , 22, 2454-7	24 182
1439	Generating electricity from biofluid with a nanowire-based biofuel cell for self-powered nanodevices. <i>Advanced Materials</i> , 2010 , 22, 5388-92	24 90
1438	Nanostructured Conductive Polymers by Electrospinning. 2010 , 161-207	6
1437	Assembly of carbon-SnO ₂ core-sheath composite nanofibers for superior lithium storage. 2010 , 16, 11543-8	73
1436	New biological functions and applications of high-molecular-mass poly-gamma-glutamic acid. 2010 , 7, 1555-62	43
1435	The influence of electrospinning parameters on the structural morphology and diameter of electrospun nanofibers. 2010 , 115, 3130-3136	138
1434	Controlled radical polymerization of N-vinylphthalimide using carboxyl-terminated trithiocarbonate as RAFT agent and preparation of microfibers via electrospinning technique. 2010 , 117, 1005-1012	10
1433	Fabrication of continuous aligned polyvinylpyrrolidone fibers via electrospinning by elimination of the jet bending instability. 2010 , 116, NA-NA	4
1432	The compatibility of acyclovir with polyacrylonitrile in the electrospun drug-loaded nanofibers. 2010 , 117, NA-NA	11
1431	Organic-soluble chitosan/polyhydroxybutyrate ultrafine fibers as skin regeneration prepared by electrospinning. 2010 , 118, 3619-3624	32
1430	A novel controlled release drug delivery system for multiple drugs based on electrospun nanofibers containing nanoparticles. 2010 , 99, 4805-11	76
1429	New Thermoresponsive Luminescent Electrospun Nanofibers Prepared from Poly[2,7-(9,9-dihexylfluorene)]-block-poly(N-isopropylacrylamide)/PMMA Blends. 2010 , 211, 1408-1416	27
1428	Electrospun Magnetic Fibrillar Polystyrene Nanocomposites Reinforced with Nickel Nanoparticles. 2010 , 211, 1775-1783	63
1427	Diphenylacetylene Polymer Nanofiber Mats Fabricated by Freeze Drying: Preparation and Application for Explosive Sensors. 2010 , 211, 1900-1908	24
1426	Preparation of cis-1,4-Polyisoprene Electrospun Microfibers. 2010 , 295, 305-309	14

1425	Electrospinning of Cellulose-Based Fibers From NaOH/Urea Aqueous System. 2010 , 295, 695-700	41
1424	Manipulated Electrospun PVA Nanofibers with Inexpensive Salts. 2010 , 295, 958-965	73
1423	Highly Oriented Crystalline PE Nanofibrils Produced by Electric-Field-Induced Stretching of Electrospun Wet Fibers. 2010 , 295, 1082-1089	24
1422	Molecular Orientation and Crystalline Structure of Aligned Electrospun Nylon-6 Nanofibers: Effect of Gap Size. 2010 , 295, 1090-1096	42
1421	Single-step electrospinning of bimodal fiber meshes for ease of cellular infiltration. 2010 , 31, 59-64	49
1420	Morphology and pH Sensing Characteristics of New Luminescent Electrospun Fibers Prepared from Poly(phenylquinoline)-block-Polystyrene/Polystyrene Blends. 2010 , 31, 65-70	42
1419	Chemistry on electrospun polymeric nanofibers: merely routine chemistry or a real challenge?. 2010 , 31, 1317-31	84
1418	Multicomponent phase change microfibers prepared by temperature control multifluidic electrospinning. 2010 , 31, 1622-7	44
1417	Control over Internal Structure of Liquid Crystal Polymer Nanofibers by Electrospinning. 2010 , 31, 1641-5	32
1416	Nanofibers by green electrospinning of aqueous suspensions of biodegradable block copolyesters for applications in medicine, pharmacy and agriculture. 2010 , 31, 2077-83	57
1415	Fabrication of Micropores via Bi-electrospinning with a Rotating Needle Collector. 2010 , 31, 2151-4	22
1414	Fabrication of bioactive composite scaffolds by electrospinning for bone regeneration. 2010 , 10, 1365-73	44
1413	Preparation of silica fibers and non-woven cloth by electrospinning. 2010 , 21, 64-68	24
1412	Polymer nanofibrous structures: Fabrication, biofunctionalization, and cell interactions. 2010 , 35, 868-892	365
1411	Aggregation states of rhodamine 6G in electrospun nanofibrous films. 2010 , 341, 224-31	15
1410	A novel catalyst based on electrospun silver-doped silica fibers with ribbon morphology. 2010 , 341, 303-10	39
1409	Preparation of SrAl ₂ O ₄ :Eu(2+), Dy(3+) fibers by electrospinning combined with sol-gel process. 2010 , 344, 321-6	54
1408	Parametric optimization of micro-contact printing based thermal transfer of electrospun nanofibers. 2010 , 87, 2513-2517	7

1407	Development of hydrophilic barrier layer on nanofibrous substrate as composite membrane via a facile route. 2010 , 356, 110-116	106
1406	Pt nanoparticles deposited on TiO ₂ based nanofibers: Electrochemical stability and oxygen reduction activity. 2010 , 195, 3105-3110	81
1405	In situ generated dense shell-engaged Ostwald ripening: A facile controlled-preparation for BaFe ₁₂ O ₁₉ hierarchical hollow fiber arrays. 2010 , 183, 736-743	70
1404	Modeling of melt electrospinning for semi-crystalline polymers. 2010 , 51, 274-290	74
1403	Influence of zinc oxide nanoparticles on the crystallization behavior of electrospun poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanofibers. 2010 , 51, 2403-2409	72
1402	Orientation analysis of individual electrospun PE nanofibers by transmission electron microscopy. 2010 , 51, 2383-2389	54
1401	Barb formation in electrospinning: Experimental and theoretical investigations. 2010 , 51, 2769-2778	10
1400	Template-assisted assembly of electrospun fibers. 2010 , 51, 3244-3248	35
1399	A novel carrier of radionuclide based on surface modified poly(lactide-co-glycolide) nanofibrous membrane. 2010 , 51, 3344-3348	17
1398	Structure property correlations for electrospun nanofiber nonwovens. 2010 , 51, 3989-3997	45
1397	Nanofibers from gas-assisted polymer melt electrospinning. 2010 , 51, 4140-4144	140
1396	One-dimensional organic/inorganic hybrid nanomaterials. 2010 , 51, 4015-4036	112
1395	Formation and characterization of core-sheath nanofibers through electrospinning and surface-initiated polymerization. 2010 , 51, 4368-4374	28
1394	Reversibly thermochromic micro-fibres by coaxial electrospinning. 2010 , 51, 5037-5043	39
1393	The use of novel digital image analysis technique and rheological tools to characterize nanofiber nonwovens. 2010 , 29, 82-94	28
1392	Meltblown fibers: Influence of viscosity and elasticity on diameter distribution. 2010 , 165, 892-900	105
1391	Optimizing partition-controlled drug release from electrospun core-shell fibers. 2010 , 392, 209-17	111
1390	Third generation solid dispersions of ferulic acid in electrospun composite nanofibers. 2010 , 400, 158-64	88

1389	Effect of nanoparticles and nanofibers on Mode I fracture toughness of fiber glass reinforced polymeric matrix composites. 2010 , 168, 85-89	34
1388	Fabrication of gelatin/siloxane fibrous mats via sol-gel and electrospinning procedure and its application for bone tissue engineering. 2010 , 30, 437-444	34
1387	Fabrication and characterization of three-dimensional nanofiber membrane of PCL/MWCNTs by electrospinning. 2010 , 30, 1014-1021	168
1386	Preparation and electrochemical studies of electrospun TiO ₂ nanofibers and molten salt method nanoparticles. 2010 , 55, 3109-3117	124
1385	Graphene as a conductive additive to enhance the high-rate capabilities of electrospun Li ₄ Ti ₅ O ₁₂ for lithium-ion batteries. 2010 , 55, 5813-5818	210
1384	Turbostratic graphite nanofibres from electrospun solutions of PAN in dimethylsulphoxide. 2010 , 46, 1194-1202	28
1383	The development of polyamide 6.6 nanofibres with a pH-sensitive function by electrospinning. 2010 , 46, 2229-2239	62
1382	Cr ₂ O ₃ -sensitized ZnO electrospun nanofibers based ethanol detectors. 2010 , 143, 754-758	84
1381	Pd-doped TiO ₂ nanofiber networks for gas sensor applications. 2010 , 149, 301-305	173
1380	Study of optical properties of electrospun light-emitting polymer fibers. 2010 , 47, 145-149	8
1379	Electrospinning in compressed carbon dioxide: Hollow or open-cell fiber formation with a single nozzle configuration. 2010 , 53, 142-150	26
1378	Nano-coated hybrid yarns using electrospinning. 2010 , 204, 3459-3463	45
1377	Curing kinetics and mechanisms of polysulfone nanofibrous membranes toughened epoxy/amine systems using isothermal DSC and NIR. 2010 , 497, 27-34	27
1376	Evaluation of mesoporous silicon/polycaprolactone composites as ophthalmic implants. 2010 , 6, 3566-72	66
1375	Compliant electrospun silk fibroin tubes for small vessel bypass grafting. 2010 , 6, 4019-26	135
1374	Fabrication and characterization of poly(vinyl alcohol)/alginate blend nanofibers by electrospinning method. 2010 , 366, 135-140	155
1373	In situ encapsulation of laccase in microfibers by emulsion electrospinning: preparation, characterization, and application. 2010 , 101, 8942-7	89
1372	The improvement of glucose bioelectrocatalytic properties of platinum electrodes modified with electrospun TiO ₂ nanofibers. 2010 , 25, 1646-51	81

1371	Electrospun porous SnO ₂ nanotubes as high capacity anode materials for lithium ion batteries. 2010 , 12, 1383-1386	164
1370	Electrospinning synthesis and luminescent properties of Lu ₂ O ₃ :Eu ³⁺ nanofibers. 2010 , 28, 232-235	21
1369	Electrospun nanomaterials for ultrasensitive sensors. 2010 , 13, 16-27	502
1368	Facile synthesis of polyaniline hemispheres in diethyl ether/ice mixture solvent and growth mechanism study. 2010 , 48, 3596-3603	9
1367	Aligned and molecularly oriented semihollow ultrafine polymer fiber yarns by a facile method. 2010 , 48, 1118-1125	21
1366	Fundamental study of crystallization, orientation, and electrical conductivity of electrospun PET/carbon nanotube nanofibers. 2010 , 48, 2052-2064	35
1365	Carbonization of electrospun poly(acrylonitrile) nanofibers containing multiwalled carbon nanotubes observed by transmission electron microscope with in situ heating. 2010 , 48, 2121-2128	32
1364	Multi-jet nozzle electrospinning on textile substrates: observations on process and nanofibre mat deposition. 2010 , 59, 1606-1615	71
1363	Superhigh-throughput needleless electrospinning using a rotary cone as spinneret. 2010 , 6, 1612-6	173
1362	Nanotechnology in the design of soft tissue scaffolds: innovations in structure and function. 2010 , 2, 20-34	67
1361	Pressure control system for electrospinning process. 2010 , 50, 800-810	9
1360	Na ⁺ -Doped Zinc Oxide Nanofiber Membrane for High Speed Humidity Sensor. 2010 , 93, 142-146	42
1359	Terbium-Catalyzed Selective Area Growth of SiC Nanorods: Synthesis, Optimal Growth, and Field Emission Properties. 2010 , 93, 488-493	14
1358	Electrospinning of sodium alginate-pectin ultrafine fibers. 2010 , 75, C100-7	61
1357	Nanofiber fabrication in a temperature and humidity controlled environment for improved fibre consistency. 2010 ,	3
1356	Keratin-based Nanofibres. 2010 ,	9
1355	Core-Shell Nanofibers: Nano Channel and Capsule by Coaxial Electrospinning. 2010 ,	13
1354	Electrospun Poly(lactic acid) (PLA)/Calcium Phosphate Cement (CPC) Bionanocomposite for Bone Tissue Engineering Applications. 2010 ,	1

1353	Fabrication and Characterization of LaCoO ₃ Nanofibers via an Electrospinning Technique. 2010 , 2,	1
1352	Physical Characteristics of Titania Nanofibers Synthesized by Sol-Gel and Electrospinning Techniques. 2010 , 5, 155892501000500	2
1351	Preparation and Characterization of Polyacrylonitrile-Polyaniline Blend Nanofibers. 2010 , 44-47, 2195-2198	5
1350	Multiwalled carbon nanotube/SiO ₂ composite nanofibres prepared by electrospinning. 2010 , 5, 329-336	2
1349	Electrospinning and characterisation of ceria doped yttria fibres. 2010 , 109, 62-64	3
1348	Dielectric properties of electrospun titanium compound/polymer composite nanofibres. 2010 , 19, 028102	21
1347	Stretched inverse opal colloid crystal substrates-induced orientation of fibroblast. 2010 , 5, 35011	9
1346	Easy preparation of SnO ₂ @carbon composite nanofibers with improved lithium ion storage properties. 2010 , 25, 1516-1524	48
1345	Enhanced exciton migration in electrospun poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]/poly(vinyl pyrrolidone) nanofibers. 2010 , 96, 133309	15
1344	A novel design of nanofibrous gel actuator by electrospinning. 2010 ,	2
1343	Photoluminescent ZrO ₂ :Eu ³⁺ +Nanofibers Prepared via Electrospinning. 2010 , 49, 115003	12
1342	Electrospinning Fe(III)porphyrin/TiO ₂ /poly(styrene) mixture: formation of a novel nanofiber photocatalyst for the photodegradation of methyl orange. 2010 , 14, 993-999	9
1341	Protocols for Adult Stem Cells. 2010 ,	
1340	Wave propagation in prestretched polymer nanofibers. 2010 , 107, 013509	12
1339	Hydroelastic analysis of an axially loaded compliant fiber wetted with a droplet. 2010 , 108, 083518	15
1338	Transversal electrostatic strength of patterned collector affecting alignment of electrospun nanofibers. 2010 , 96, 193111	21
1337	Pressure driven spinning: A multifaceted approach for preparing nanoscaled functionalized fibers, scaffolds, and membranes with advanced materials. 2010 , 4, 14106	15
1336	Photoluminescence of rare earth ³⁺ doped uniaxially aligned HfO ₂ nanotubes prepared by sputtering with electrospun polyvinylpyrrolidone nanofibers as templates. 2010 , 107, 024309	23

- 1335 Study on graphical electro-spinning of PZT nano-fibers. **2010**,
- 1334 Solvent Influences the Morphology and Mechanical Properties of Electrospun Poly(L-lactic acid) Scaffold for Tissue Engineering Applications. **2010**, 294, 153-161 23
- 1333 In silico assembly and nanomechanical characterization of carbon nanotube buckypaper. **2010**, 21, 265706 77
- 1332 Electrospinning of Polymers, Their Modeling and Applications. **2010**, 49, 427-441 60
- 1331 Preparation of PVA/ Sm(NO₃)₃-Sm₂O₃ Composites Nanofibers by Electrospinning Technique. **2010**, 71, 22-27 1
- 1330 Olivine-Carbon Nanofibrous Cathodes for Lithium Ion Batteries. **2010**, 1266, 50201
- 1329 Synthesis. **2010**, 99-168
- 1328 Fabrication and orientation control of diamond nanotips by broad ion beam etching. **2010**, 43, 135301 4
- 1327 Developments in recombinant silk and other elastic protein fibers for textile and other applications. **2010**, 235-265
- 1326 Diameter-dependent melting behaviour in electrospun polymer fibres. **2010**, 21, 225701 22
- 1325 Amphiphilic triblock copolymer and a microfluidic device for porous microfiber fabrication. **2010**, 6, 2200 37
- 1324 Current-voltage characteristic of electrospray processes in microfluidics. **2010**, 105, 154503 27
- 1323 Photocatalytic Self Cleaning Textile Fibers by Coaxial Electrospinning. **2010**, 2, 2448-2455 123
- 1322 Fabrication of chitosan/silk fibroin composite nanofibers for wound-dressing applications. **2010**, 11, 3529-39 248
- 1321 Oxide nanowire networks and their electronic and optoelectronic characteristics. **2010**, 2, 1984-98 56
- 1320 Recombinamers: combining molecular complexity with diverse bioactivities for advanced biomedical and biotechnological applications. **2011**, 125, 145-79 7
- 1319 Periodic array of polyelectrolyte-gated organic transistors from electrospun poly(3-hexylthiophene) nanofibers. **2010**, 10, 347-51 173
- 1318 Construction of nanocrystalline film on nanowire array via swelling electrospun polyvinylpyrrolidone-hosted nanofibers for use in dye-sensitized solar cells. **2010**, 4, 5679-84 44

1317	Electrospun Polyimide Nanocomposite Fibers Reinforced with CoreShell Fe-FeO Nanoparticles. 2010 , 114, 8844-8850	117
1316	Cyclam-based "clickates": homogeneous and heterogeneous fluorescent sensors for Zn(II). 2010 , 49, 3789-800	98
1315	Poly(vinyl alcohol)-Fe ₃ O ₄ Nanocomposites Prepared by the Electrospinning Technique. 2010 , 8, 197-206	8
1314	Designing Nanofibrous Scaffolds for Tissue Engineering. 2010 , 435-497	4
1313	A Single ZnO Nanofiber-Based Highly Sensitive Amperometric Glucose Biosensor. 2010 , 114, 9308-9313	194
1312	Multifunctional Electrospun Fabrics via Layer-by-Layer Electrostatic Assembly for Chemical and Biological Protection. 2010 , 22, 1429-1436	68
1311	Bioinspired Polymeric Nanocomposites. 2010 , 43, 9217-9226	40
1310	Microscopic and Spectroscopic Studies of Thermally Enhanced Electrospun PMMA Micro- and Nanofibers. 2010 , 1, 866-869	16
1309	In situ molecular composites of ladder polyphenylsilsesquioxane and polyisophthalamide and their electro-spinning fibers. 2010 , 1, 1095	9
1308	Nanomanufacturing of continuous composite nanofibers with confinement-induced morphologies. 2010 , 1, 1001	23
1307	Electrospun nanofibrous materials for tissue engineering and drug delivery. 2010 , 11, 014108	338
1306	Surface-modified nanofibrous biomaterial bridge for the enhancement and control of neurite outgrowth. 2010 , 5, 149-58	39
1305	Solution-based synthetic strategies for one-dimensional metal-containing nanostructures. 2010 , 46, 8093-130	83
1304	Effect of calcination temperature on the electrospun MFe ₂ O ₄ (M=Ni _{0.25} -Cu _{0.25} -Zn _{0.5}). 2010 ,	
1303	Size dictates mechanical properties for protein fibers self-assembled by the Drosophila hox transcription factor ultrabithorax. 2010 , 11, 3644-51	15
1302	Syndiotactic Polystyrene Nanofibers Obtained from High-Temperature Solution Electrospinning Process. 2010 , 43, 2371-2376	21
1301	Surface modification of electrospun PCL scaffolds by plasma treatment and addition of adhesive protein to promote fibroblast cell adhesion. 2010 , 26, 1292-1297	30
1300	Immunoassay on free-standing electrospun membranes. 2010 , 2, 252-8	21

1299	Apparatus for preparing electrospun nanofibres: a comparative review. 2010 , 26, 1275-1287	38
1298	Thermoresponsive luminescent electrospun fibers prepared from poly(DMAEMA-co-SA-co-StFl) multifunctional random copolymers. 2010 , 2, 3340-7	36
1297	Solution-Electrospun Isotactic Polypropylene Fibers: Processing and Microstructure Development during Stepwise Annealing. 2010 , 43, 9022-9029	33
1296	Robust superhydrophobic mats based on electrospun crystalline nanofibers combined with a silane precursor. 2010 , 2, 658-62	64
1295	Size-dependent polarized photoluminescence from Y3Al5O12: Eu3+ single crystalline nanofiber prepared by electrospinning. 2010 , 20, 1587	27
1294	Replicable multilayered nanofibrous patterns on a flexible film. 2010 , 26, 14395-9	32
1293	Selective nanofiber deposition using a microfluidic confinement approach. 2010 , 26, 1539-43	17
1292	Nanowire dye-sensitized solar cell with a novel light-scattering layer. 2010 ,	
1291	High performance surface-enhanced Raman scattering substrate combining low dimensional and hierarchical nanostructures. 2010 , 26, 6865-8	14
1290	Biomimetic branched hollow fibers templated by self-assembled fibrous polyvinylpyrrolidone structures in aqueous solution. 2010 , 4, 1573-9	70
1289	Micro-/Nano-Fibers by Electrospinning Technology: Processing, Properties and Applications. 2010 , 264-286	17
1288	Conductive cable fibers with insulating surface prepared by coaxial electrospinning of multiwalled nanotubes and cellulose. 2010 , 11, 2440-5	73
1287	Structure-property correlations in hybrid polymer-nanoparticle electrospun fibers and plasmonic control over their dichroic behavior. 2010 , 4, 5551-8	26
1286	Crystalline Block Copolymer Decorated, Hierarchically Ordered Polymer Nanofibers. 2010 , 43, 9918-9927	51
1285	Electrospinning Mechanism for Producing Nanoscale Polymer Fibers. 2010 , 49, 122-131	26
1284	Electrospun Nanofibers with Associative Polymer-Surfactant Systems. 2010 , 43, 7650-7656	42
1283	Preparation of TiO2 hollow nanofibers by electrospinning combined with sol-gel process. 2010 , 12, 2256	71
1282	Synthesis and electrochemical properties of electrospun V2O5 nanofibers as supercapacitor electrodes. 2010 , 20, 6720	255

1281	Fluorescent polyurethane nanofabrics: a source of singlet oxygen and oxygen sensing. 2010 , 26, 10050-6	57
1280	Green synthesis of chitosan-based nanofibers and their applications. 2010 , 12, 1207	90
1279	Biomaterials for vascular tissue engineering. 2010 , 5, 107-20	275
1278	Synthesis and luminescent properties of CaTiO ₃ : Pr ³⁺ microfibers prepared by electrospinning method. 2010 , 18, 7543-53	50
1277	In Situ Cross-Linking of Electrospun Poly(vinyl alcohol) Nanofibers. 2010 , 43, 630-637	161
1276	Rotational dynamics of optically trapped nanofibers. 2010 , 18, 822-30	53
1275	Preparation and photocatalytic property of mesoporous ZnO/SnO ₂ composite nanofibers. 2010 , 503, 103-110	73
1274	Properties of composite films of titania nanofibers and Safranin O dye. 2010 , 160, 2564-2572	8
1273	MWCNT/DH adsorbed electrospun nylon 6,6 nanofibers chemiresistor and their application in low molecular weight alcohol vapours sensing. 2010 , 160, 2664-2669	31
1272	Novel flexible chemical gas sensor based on poly(3,4-ethylenedioxythiophene) nanotube membrane. 2010 , 82, 1338-43	80
1271	Electrospun metal nanofiber webs as high-performance transparent electrode. 2010 , 10, 4242-8	610
1270	Electrospun nanofibers for neural tissue engineering. 2010 , 2, 35-44	281
1269	Hybrid solar cells based on poly(3-hexylthiophene) and electrospun TiO ₂ nanofibers with effective interface modification. 2010 , 20, 7366	82
1268	Nanofiber assembly by rotary jet-spinning. 2010 , 10, 2257-61	377
1267	Insoluble synthetic polypeptide mats from aqueous solution by electrospinning. 2010 , 2, 2728-32	17
1266	TEM Investigation and FBB Model Explanation to the Phase Relationships between Titanates and Titanium Dioxides. 2010 , 114, 11430-11434	16
1265	Solving cell infiltration limitations of electrospun nanofiber meshes for tissue engineering applications. 2010 , 5, 539-54	64
1264	Thermo-Responsive Core/Sheath Electrospun Nanofibers from Poly (N-isopropylacrylamide)/Polycaprolactone Blends. 2010 , 22, 4214-4221	107

1263	Postchemistry of organic particles: when TTF microparticles meet TCNQ microstructures in aqueous solution. 2010 , 132, 6926-8	113
1262	Nanostructured Macromolecules. 2010 , 1-78	2
1261	A novel method to fabricate silica nanotubes based on phase separation effect. 2010 , 20, 9068	56
1260	Electrospun TiO ₂ nanorods assembly sensitized by CdS quantum dots: a low-cost photovoltaic material. 2010 , 3, 2010	68
1259	Toward white light emission through efficient two-step energy transfer in hybrid nanofibers. 2010 , 4, 1409-16	83
1258	Mn valence, magnetic, and electrical properties of LaMnO ₃ nanofibers by electrospinning. 2010 , 2, 2689-93	21
1257	Nanocrystalline Thermoelectric Ca ₃ Co ₄ O ₉ Ceramics by Sol-Gel Based Electrospinning and Spark Plasma Sintering. 2010 , 114, 10061-10065	70
1256	Modular Approach toward Bioactive Fiber Meshes Carrying Oligosaccharides. 2010 , 43, 9239-9247	37
1255	Radially aligned, electrospun nanofibers as dural substitutes for wound closure and tissue regeneration applications. 2010 , 4, 5027-36	224
1254	Electrospinning from room temperature ionic liquids for biopolymer fiber formation. 2010 , 12, 1883	94
1253	Processing of Poly(Lactic Acid). 2010 , 189-215	11
1252	Functional electrospun polystyrene nanofibers incorporating β -CD and γ -cyclodextrins: comparison of molecular filter performance. 2010 , 4, 5121-30	126
1251	Nanostructured Nb ₂ O ₅ Polymorphs by Electrospinning for Rechargeable Lithium Batteries. 2010 , 114, 664-671	294
1250	Self-winding of helices in plant tendrils and cellulose liquid crystal fibers. 2010 , 6, 5965	56
1249	Preparation of 1 inch gold nanowires from PS-b-P4VP block copolymers. 2010 , 20, 1198-1202	11
1248	Synthesis and Substrate-Aided Alignment of Porphyrinated Poly(ethylene oxide) (PEO) Electrospun Nanofibers. 2010 , 59, 818-827	49
1247	A nanofibrous membrane with tunable surface chemistry: preparation and application in protein microarrays. 2010 , 20, 10228	6
1246	Biochemically active hydrosol as a means of collecting electrospun microcapsules for drug delivery. 2010 , 20, 9025	4

1245	Facile synthesis and electrochemical properties of RuO ₂ nanofibers with ionically conducting hydrous layer. 2010 , 20, 9172	52
1244	Poly(ionic liquid) brush coated electrospun membrane: a useful platform for the development of functionalized membrane systems. 2010 , 20, 8617	32
1243	One-step fabrication of porous polymeric microcage via electrified jetting. 2010 , 2, 910-2	17
1242	Crosslinking neat ultrathin films and nanofibres of pH-responsive poly(acrylic acid) by UV radiation. 2010 , 6, 1045	35
1241	Si ₆ H ₁₂ /Polymer Inks for Electrospinning a-Si Nanowire Lithium Ion Battery Anodes. 2010 , 13, A143	19
1240	. 2010 ,	
1239	Semi-micro solid phase extraction with electrospun polystyrene fiber disks. 2010 , 2, 623	31
1238	High throughput assembly of spatially controlled 3D cell clusters on a micro/nanoplatfom. 2010 , 10, 775-82	50
1237	Gradient composition distribution in poly(2,6-dimethylphenylene oxide)/polystyrene blend nanorods. 2011 , 7, 1868-1873	16
1236	Anisotropic TiO ₂ nanomaterials in dye-sensitized solar cells. 2011 , 13, 21248-61	58
1235	One-dimensional carbon/SnO ₂ and SnO ₂ nanostructures via single-spinneret electrospinning: tunable morphology and the underlying mechanism. 2011 , 21, 15928	22
1234	Polymer nanotubes toward gelating organic chemicals. 2011 , 47, 4727-9	90
1233	Light-emitting nanocomposite CdS-polymer electrospun fibres via in situ nanoparticle generation. 2011 , 3, 4234-9	42
1232	Optical waveguides at micro/nanoscale based on functional small organic molecules. 2011 , 13, 9060-73	140
1231	Characterisation of internal morphologies in electrospun fibers by X-ray tomographic microscopy. 2011 , 3, 3594-7	21
1230	Anisotropic oxygen plasma etching of colloidal particles in electrospun fibers. 2011 , 47, 2429-31	16
1229	Microfluidic fabrication of complex-shaped microfibers by liquid template-aided multiphase microflow. 2011 , 11, 1477-83	83
1228	Poly(Butylene Terephthalate)/Single Wall Carbon Nanotubes Composite Nanofibers by Electrospinning. 2011 , 50, 1031-1041	13

1227	Polymer nanocomposites with controllable distribution and arrangement of inorganic nanocomponents. 2011 , 3, 1508-11	22
1226	Making Pt-shell Pt ₃₀ Ni ₇₀ nanowires by mild dealloying and heat treatments with little Ni loss. 2011 , 21, 6225	24
1225	Fabrication of carbon fibers from electrospun poly(vinyl alcohol) nanofibers. 2011 , 81, 659-672	73
1224	Fabrication of poly(vinylidene fluoride-co-hexafluoropropylene) nanofiber yarns by conjugate electrospinning. 2011 , 102, 633-638	11
1223	Electrospun antimony doped tin oxide (ATO) nanofibers as a versatile conducting matrix. 2011 , 47, 12119-21	12
1222	Design of thorn-like micro/nanofibers: fabrication and controlled morphology for engineered composite materials applications. 2011 , 21, 16385	53
1221	CaSi ₂ O ₂ N ₂ :Eu nanofiber mat based on electrospinning: facile synthesis, uniform arrangement, and application in white LEDs. 2011 , 21, 17790	38
1220	Photophysical and photochemical behavior of electrospun fibers of a polyurethane polymer chemically linked to lutetium carboxyphenoxy phthalocyanine. 2011 , 35, 1588	21
1219	Preparation and photoluminescence (PL) performance of a nanoweb of P3HT nanofibers with diameters below 100 nm. 2011 , 21, 14231	36
1218	Engineering nanostructured electrodes away from equilibrium for lithium-ion batteries. 2011 , 21, 9969	35
1217	Electrospun silica/PLLA hybrid materials for skeletal regeneration. 2011 , 7, 10241	58
1216	Synthesis of ultra-long hollow chalcogenide nanofibers. 2011 , 47, 9107-9	26
1215	Formation mechanism of Fe ₂ O ₃ hollow fibers by direct annealing of the electrospun composite fibers and their magnetic, electrochemical properties. 2011 , 13, 2863	82
1214	Edge electrospinning for high throughput production of quality nanofibers. 2011 , 22, 345301	107
1213	Introduction to electrospinning. 2011 , 3-33	11
1212	WITHDRAWN: Processing and characterization of electrospun polyaniline-carbon black composite nanofibers. 2011 ,	
1211	Culture of central nervous system neurons on electrospun polymer fiber-covered surfaces. 2011 ,	
1210	Chitosan Nanofibrous Scaffold Fabricated via Electrospinning: The Effect of Processing Parameters on the Nanofiber Morphology. 2011 , 16, 277-289	22

1209	Low reflectivity and high flexibility of tin-doped indium oxide nanofiber transparent electrodes. 2011 , 133, 27-9	85
1208	The Characterization of Poly(lactic-co-glycolic acid)/ Silk Fibroin Blend Nanofibrous Mats with the Methanol Vapor Treatment. 2011 , 128, 91-96	
1207	Fabrication of SnO ₂ nanotube microyarn and its gas sensing behavior. 2011 , 20, 105019	21
1206	Preparation and optical properties of red, green and blue afterglow electrospun nanofibers. 2011 , 21, 2194-2203	53
1205	CoreShell Interactions in Coaxial Electrospinning and Impact on Electrospun Multiwall Carbon Nanotube Core, Poly(methyl methacrylate) Shell Fibers. 2011 , 115, 12742-12750	13
1204	Design, fabrication and characterization of PCL electrospun scaffolds— review. 2011 , 21, 9419	424
1203	Studying on Auxiliary Gradient Rings for the Collecting Area of Electrospinning. 2011 , 201-203, 726-729	2
1202	Preparation of biomimetic nanofibers by electrospinning of blends of silk fibroin and chitosan for bone tissue engineering. 2011 ,	
1201	Highly Sensitive Reversible Light-Driven Switches Using Electrospun Porous Aluminum-Doped Zinc Oxide Nanofibers. 2011 , 115, 3956-3961	26
1200	Solution-processed flexible polymer solar cells with silver nanowire electrodes. 2011 , 3, 4075-84	318
1199	Formation of Inorganic Nanofibers from Preformed TiO ₂ Nanoparticles via Electrospinning. 2011 , 115, 362-372	65
1198	Liquid Crystals in Novel Geometries Prepared by Microfluidics and Electrospinning. 2011 , 549, 69-77	27
1197	Emerging applications of multifunctional elastin-like recombinamers. 2011 , 6, 111-22	56
1196	Electrospun polyvinylpyrrolidone fibers with high concentrations of ferromagnetic and superparamagnetic nanoparticles. 2011 , 3, 1958-64	36
1195	Laccase-carrying electrospun fibrous membranes for adsorption and degradation of PAHs in shoal soils. 2011 , 45, 10611-8	91
1194	Controlled electrochemically-assisted deposition of sol-gel biocomposite on electrospun platinum nanofibers. 2011 , 27, 7140-7	16
1193	Fabrication and characterization of water-stable electrospun polyethyleneimine/polyvinyl alcohol nanofibers with super dye sorption capability. 2011 , 35, 360-368	49
1192	Characterization via two-color STED microscopy of nanostructured materials synthesized by colloid electrospinning. 2011 , 27, 7132-9	56

1191	Metal-organic framework nanofibers via electrospinning. 2011 , 47, 442-4	176
1190	Immobilization of stable thylakoid vesicles in conductive nanofibers by electrospinning. 2011 , 12, 778-84	17
1189	Synthesis, Electrical and Humidity Sensing Properties of BaTiO ₃ Nanofibers via Electrospinning. 2011 , 418-420, 684-687	2
1188	Enhancing the stiffness of electrospun nanofiber scaffolds with a controlled surface coating and mineralization. 2011 , 27, 9088-93	97
1187	. 2011 , 20, 1241-1249	24
1186	Biomaterials. 2011 , 23-36	3
1185	Controlled Synthesis and Properties of Rare Earth Nanomaterials. 2011 , 41, 275-472	22
1184	Electrospinning of nanofibres with parallel line surface texture for improvement of nerve cell growth. 2011 , 7, 10812	51
1183	Ordered carbon nanotubes for optical power limiting devices. 2011 , 3, 4611-8	10
1182	Electrospinning: designed architectures for energy conversion and storage devices. 2011 , 4, 4761	581
1181	Enzyme-carrying electrospun nanofibers. 2011 , 743, 205-12	10
1180	Phase evolution of perovskite LaNiO ₃ nanofibers for supercapacitor application and p-type gas sensing properties of LaOCl/NiO composite nanofibers. 2011 , 21, 1959-1965	73
1179	Nanoweb anodes composed of one-dimensional, high aspect ratio, size tunable electrospun ZnFe ₂ O ₄ nanofibers for lithium ion batteries. 2011 , 21, 14999	197
1178	Fabrication of CoFe ₂ O ₄ hollow fibers by direct annealing of the electrospun composite fibers and their magnetic properties. 2011 , 13, 2268	40
1177	Manipulation on the Morphology and Electrical Properties of Aligned Electrospun Nanofibers of Poly(3-hexylthiophene) for Field-Effect Transistor Applications. 2011 , 44, 2883-2892	94
1176	Electrospun carbon-tin oxide composite nanofibers for use as lithium ion battery anodes. 2011 , 3, 2534-42	141
1175	Stimuli-responsive electrospun fibers and their applications. 2011 , 40, 2417-34	164
1174	Mesoscopic Ceramic Structures in One, Two, and Three Dimensions. 2011 , 297-346	1

1173	A study on the hydrogen bonding interaction of the electrospun ladder polyphenylsilsesquioxane/polyisophthalamide composite fibers by ATR FT-IR. 2011 , 2, 608-613	8
1172	Polyacrylonitrile nanofibers prepared using coaxial electrospinning with LiCl solution as sheath fluid. 2011 , 22, 435301	52
1171	Perspective of Recent Progress in Immobilization of Enzymes. 2011 , 1, 956-968	374
1170	Morphologies and Photophysical Properties of Conjugated Rod-Coil Block Copolymers. 2011 , 593-622	4
1169	Effect of TiO ₂ Formation on the Free Volume Properties of Electrospun PMMA Nanohybrids. 2011 , 44, 5711-5721	19
1168	Elastin Biopolymers. 2011 , 329-346	3
1167	Nanoscale Biocatalysis. 2011 ,	
1166	3D Cell Culture. 2011 ,	48
1165	Metal nanogrids, nanowires, and nanofibers for transparent electrodes. 2011 , 36, 760-765	399
1164	Next generation of electrospayed fibers for tissue regeneration. 2011 , 17, 125-42	52
1163	Electrospinning of polymer-free nanofibers from cyclodextrin inclusion complexes. 2011 , 27, 6218-26	114
1162	Electrospun Nanofiber-Based Anodes, Cathodes, and Separators for Advanced Lithium-Ion Batteries. 2011 , 51, 239-264	146
1161	Fabrication of free-standing electrospun carbon nanofibers as efficient electrode materials for bioelectrocatalysis. 2011 , 35, 2848	38
1160	Preparation and the luminescent properties of Tb ³⁺ -doped Gd ₂ O ₃ fluorescent nanofibers via electrospinning. 2011 , 22, 035602	27
1159	Sulfonated polystyrene fiber network-induced hybrid proton exchange membranes. 2011 , 3, 3732-7	55
1158	Bioinspired crystallization of CaCO ₃ coatings on electrospun cellulose acetate fiber scaffolds and corresponding CaCO ₃ microtube networks. 2011 , 27, 7199-206	50
1157	Highly reflective superhydrophobic white coating inspired by poplar leaf hairs toward an effective cool roof 2011 , 4, 3364	42
1156	Nanotechnology Research Directions for Societal Needs in 2020. 2011 ,	151

1155	Direct Insertion Probe Mass Spectrometry of Polymers. 2011 , 69-103	11
1154	Electrospun ZnO nanofibers for sensors application. 2011 ,	
1153	Pd(II) conjugated chitosan nanofibre mats for application in Heck cross-coupling reactions. 2011 , 47, 12292-4	46
1152	Enhancing the effect of the nanofiber network structure on thermoresponsive wettability switching. 2011 , 27, 14716-20	22
1151	Magnetic biodegradable Fe ₃ O ₄ /CS/PVA nanofibrous membranes for bone regeneration. 2011 , 6, 055008	106
1150	Bilayer porous scaffold based on poly-(ε-caprolactone) nanofibrous membrane and gelatin sponge for favoring cell proliferation. 2011 , 258, 1670-1676	16
1149	SnO ₂ nanoparticle embedded TiO ₂ nanofibers [Highly efficient photocatalyst for the degradation of rhodamine B. 2011 , 12, 1037-1041	75
1148	Electrospun polyurethane fibers for absorption of volatile organic compounds from air. 2011 , 3, 3902-9	103
1147	Applications of advanced hybrid organic-inorganic nanomaterials: from laboratory to market. 2011 , 40, 696-753	1060
1146	Preparation and characterization of electro-spun RuO ₂ /Ag ₂ O composite nanowires for electrochemical capacitors. 2011 , 509, 4336-4340	28
1145	Generation of biologically active nano-aerosol by an electrospray-neutralization method. 2011 , 42, 341-354	23
1144	Electrospun chitosan-graft-poly (ε-caprolactone)/poly (ε-caprolactone) cationic nanofibrous mats as potential scaffolds for skin tissue engineering. 2011 , 48, 13-9	128
1143	Electrospun poly (ε-caprolactone)/silk fibroin core-sheath nanofibers and their potential applications in tissue engineering and drug release. 2011 , 49, 223-32	109
1142	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. 2011 , 21, 4493	164
1141	From cleanroom to desktop: emerging micro-nanofabrication technology for biomedical applications. 2011 , 39, 600-20	55
1140	Electrospun Nanofibrous Scaffolds-Current Status and Prospects in Drug Delivery. 2011 , 241-262	30
1139	Electrospinning of carbon-coated MoO ₂ nanofibers with enhanced lithium-storage properties. 2011 , 13, 16735-40	109
1138	Thermodynamic modeling and investigation of the formation of electrospun collagen fibers. 2011 , 27, 12417-22	11

- 1137 Preparation of Solid and Hollow Asphaltene Fibers by Single Step Electrospinning. **2011**, 6, 155892501100600 2
- 1136 Biomaterials for Replacement and Repair of the Meniscus and Annulus Fibrosus. **2011**, 317-332
- 1135 Electrospinning Fabrication of Polyvinyl alcohol)/Waterborne Polyurethane/Silver Composite Nanofibre Mats in Aqueous Solution for Anti-bacterial Exploits. **2011**, 19, 753-762 9
- 1134 Electrospinning of Metal Doped Alumina Nanofibers for Catalyst Applications. **2011**, 1
- 1133 Elastin Based Constructs. **2011**, 5
- 1132 Fabrication and characterization of nanofibrous scaffold developed by electrospinning. **2011**, 14, 317-325 11
- 1131 Functional Applications of Electrospun Nanofibers. **2011**, 21
- 1130 Bioartificial Stem Cell Niches: Engineering a Regenerative Microenvironment. **2011**, 245-256 1
- 1129 Joint Cartilage Tissue Engineering and Pre-Clinical Safety and Efficacy Testing. **2011**, 1
- 1128 Needleless Electrospinning: Developments and Performances. **2011**, 15
- 1127 Electrospinning of Continuous Nanofiber Bundles and Twisted Nanofiber Yarns. **2011**, 13
- 1126 ELECTROSPUN BIOMATERIAL FOR BIOMEDICAL APPLICATION. **2011**, 2,
- 1125 Formation of Nano-Fibre MD Membranes. **2011**, 163-187 1
- 1124 Preparation of PVP/PLLA Ultrafine Blend Fibers by Electrospinning. **2011**, 3, 3
- 1123 A review of developments in electrospinning technology: new opportunities for the design of artificial tissue structures. **2011**, 34, 986-97 54
- 1122 WITHDRAWN: Preparation of millimeter-long cellulose I nanofibers from bamboo fibers. **2011**,
- 1121 Cell Lysis Techniques in Lab-on-a-Chip Technology. **2011**, 942-965
- 1120 Functionality in Electrospun Nanofibrous Membranes Based on Fiber's Size, Surface Area, and Molecular Orientation. **2011**, 1, 249-64 125

1119	High temperature transformation of electrospun BaZrO ₃ nanotubes into nanoparticle chains. 2011 , 13, 7224	10
1118	PE-CVD processes improve cell affinity of polymer scaffolds for tissue engineering. 2011 , 205, S548-S551	20
1117	Nanofibrous PANI-based conductive polymers for trace gas analysis. 2011 , 520, 978-985	29
1116	Fabrication of cellulase protein fibers through concentric electrospinning. 2011 , 72, 1-5	7
1115	Engineering biomimetic superhydrophobic surfaces of electrospun nanomaterials. 2011 , 6, 510-530	366
1114	Sorption of polycyclic aromatic hydrocarbons on electrospun nanofibrous membranes: sorption kinetics and mechanism. 2011 , 192, 1409-17	36
1113	Micro- and nano-scale hollow TiO ₂ fibers by coaxial electrospinning: Preparation and gas sensing. 2011 , 184, 3008-3013	45
1112	NO ₂ gas sensing properties of amorphous InGaZnO ₄ submicron-tubes prepared by polymeric fiber templating route. 2011 , 160, 499-504	21
1111	Au-loaded In ₂ O ₃ nanofibers-based ethanol micro gas sensor with low power consumption. 2011 , 160, 713-719	70
1110	Degradation of electrospun SF/P(LLA-CL) blended nanofibrous scaffolds in vitro. 2011 , 96, 2266-2275	38
1109	A fundamental study of chitosan/PEO electrospinning. 2011 , 52, 4813-4824	260
1108	On the importance of fiber curvature to the elastic moduli of electrospun nonwoven fiber meshes. 2011 , 52, 6126-6133	75
1107	Intense low threshold nonlinear absorption and nonlinear refraction in a new organic polymer nanocomposite. 2011 , 129, 981-989	47
1106	Synthesis and characterization of Co ₃ O ₄ /RuO ₂ composite nanofibers fabricated by an electrospinning method. 2011 , 65, 471-473	11
1105	Fabrication of superhydrophobic TPU film for oil/water separation based on electrospinning route. 2011 , 65, 869-872	112
1104	Molecularly imprinted polyimide nanofibers prepared by electrospinning. 2011 , 65, 1388-1391	34
1103	Porous carbon nanofibers with narrow pore size distribution from electrospun phenolic resins. 2011 , 65, 1875-1877	29
1102	Preparation of fluoride-containing gelatin nanofiber scaffold. 2011 , 65, 2404-2406	10

1101	Continually fabricating staple yarns with aligned electrospun polyacrylonitrile nanofibers. 2011 , 65, 2419-2421	49
1100	One-pot fabrication of hollow SiO ₂ nanowires via an electrospinning technique. 2011 , 65, 2377-2380	28
1099	In-situ formation of Cu metal crystals within nanostructured ZnO electrospun fibers. 2011 , 65, 2683-2685	7
1098	Thermally induced porous carbon nanofibers for electrochemical capacitor electrodes from phenylsilane and polyacrylonitrile blend solutions. 2011 , 65, 3479-3481	10
1097	Electromechanical coupling of lead zirconate titanate nanofibres. 2011 , 6, 59	18
1096	Simulation of electrospun nanofibre deposition on stationary and moving substrates. 2011 , 6, 408	8
1095	Rutile TiO ₂ nanowires on anatase TiO ₂ nanofibers: a branched heterostructured photocatalysts via interface-assisted fabrication approach. 2011 , 363, 157-64	48
1094	Effect of polymer molecular weight on the fiber morphology of electrospun mats. 2011 , 364, 107-11	46
1093	Coaxial carbon nanofibers/MnO ₂ nanocomposites as freestanding electrodes for high-performance electrochemical capacitors. 2011 , 56, 9240-9247	154
1092	Binary CuO/Co ₃ O ₄ nanofibers for ultrafast and amplified electrochemical sensing of fructose. 2011 , 56, 10191-10196	28
1091	A comparative study of jet formation and nanofiber alignment in electrospinning and electrocentrifugal spinning systems. 2011 , 69, 540-546	49
1090	Rose thorns-like polymer micro/nanofibers via electrospinning and controlled temperature-induced self-assembly. 2011 , 47, 1563-1568	10
1089	The three-dimensional vascularization of growth factor-releasing hybrid scaffold of poly (epsilon-caprolactone)/collagen fibers and hyaluronic acid hydrogel. 2011 , 32, 8108-17	170
1088	Chemically modified cellulose fibrous meshes for use as tissue engineering scaffolds. 2011 , 21, 5067-70	35
1087	Biscrolling nanotube sheets and functional guests into yarns. 2011 , 331, 51-5	292
1086	Mechanical properties and morphology of hot drawn polyacrylonitrile nanofibrous yarn. 2011 , 124, n/a-n/a	5
1085	Melt electrospinning. 2011 , 6, 44-56	230
1084	Mesenchymal stem cell-seeded multilayered dense collagen-silk fibroin hybrid for tissue engineering applications. 2011 , 6, 1198-207	25

1083	Cellulose nanowhiskers: promising materials for advanced applications. 2011 , 7, 303-315	657
1082	Electrical properties of ultrafine nylon-6 nanofibers prepared via electrospinning. 2011 , 12, 1021-1024	9
1081	One-Dimensional Nanostructures of π -Conjugated Molecular Systems: Assembly, Properties, and Applications from Photovoltaics, Sensors, and Nanophotonics to Nanoelectronics 2011 , 23, 682-732	567
1080	One-step synthesis of silver nanoparticle-filled nylon 6 nanofibers and their antibacterial properties. 2011 , 21, 10330	120
1079	Scaffolds for tissue engineering and 3D cell culture. 2011 , 695, 17-39	242
1078	Electroluminescence from conjugated polymer electrospun nanofibers in solution processable organic light-emitting diodes. 2011 , 5, 5572-8	98
1077	ZnO based advanced functional nanostructures: synthesis, properties and applications. 2011 , 21, 599-614	177
1076	Detection of adulterated gasoline using colorimetric organic microfibers. 2011 , 21, 2648	65
1075	Fabrication of molecular sieve fibers by electrospinning. 2011 , 21, 8511	31
1074	Synthesis and film formation of iron/cobalt nanofibers encapsulated in graphite shell: magnetic, electric and optical properties study. 2011 , 21, 10957	49
1073	Electrical power generator from randomly oriented electrospun poly(vinylidene fluoride) nanofibre membranes. 2011 , 21, 11088	215
1072	Direct electrospinning of Ag/polyvinylpyrrolidone nanocables. 2011 , 3, 4966-71	64
1071	Functionalization of electrospun magnetically separable TiO ₂ -coated SrFe ₁₂ O ₁₉ nanofibers: strongly effective photocatalyst and magnetic separation. 2011 , 46, 2058-2063	20
1070	Scaffolds for drug delivery, part I: electrospun porous poly(lactic acid) and poly(lactic acid)/poly(ethylene oxide) hybrid scaffolds. 2011 , 46, 2874-2881	47
1069	One-dimensional 8-hydroxyquinoline metal complex nanomaterials: synthesis, optoelectronic properties, and applications. 2011 , 46, 2397-2409	20
1068	Nanofibre fabrication in a temperature and humidity controlled environment for improved fibre consistency. 2011 , 46, 3890-3898	69
1067	Synthesis and characterization of poly(ϵ -caprolactone) reinforced with aligned hybrid electrospun PMMA/nano-Al ₂ O ₃ fibre mats by film stacking. 2011 , 46, 6124-6130	12
1066	An investigation on the behavior of electrospun ZnO nanofibers under the application of low frequency AC electric fields. 2011 , 22, 1303-1307	13

1065	How to manipulate the electrospinning jet with controlled properties to obtain uniform fibers with the smallest diameter? Brief discussion of solution electrospinning process. 2011 , 18, 111-123	65
1064	Mechanical properties and biocompatibility of electrospun polylactide/poly(vinylidene fluoride) mats. 2011 , 18, 319-327	40
1063	Fluorescent poly(p-phenylene vinylene)/poly(ethylene oxide) nanofibers obtained by electrospinning. 2011 , 18, 477-482	8
1062	Morphology and photophysical properties of luminescent electrospun fibers prepared from diblock and triblock polyfluorene-block-Poly(2-vinylpyridine)/PEO blends. 2011 , 18, 1091-1100	9
1061	Functionalization of cellulose nanofiber mats with phthalocyanine for decoloration of reactive dye wastewater. 2011 , 18, 1295-1303	43
1060	Synthesis of CaSnO ₃ nanofibers by electrospinning combined with sol-gel. 2011 , 58, 355-359	12
1059	Improving the electrical catalytic activity of Pt/TiO ₂ nanocomposites by a combination of electrospinning and microwave irradiation. 2011 , 13, 1655-1662	15
1058	Controlled assembly of poly(vinyl pyrrolidone) fibers through an electric-field-assisted electrospinning method. 2011 , 103, 167-172	27
1057	Effects of nano-SiO ₂ on morphology, thermal energy storage, thermal stability, and combustion properties of electrospun lauric acid/PET ultrafine composite fibers as form-stable phase change materials. 2011 , 88, 2106-2112	126
1056	Electrospun membrane of cellulose acetate for heavy metal ion adsorption in water treatment. 2011 , 83, 743-748	215
1055	Electrospinning of chitosan nanofibers: The favorable effect of metal ions. 2011 , 84, 239-246	63
1054	Effect of intermolecular interaction on electrospinning of sodium alginate. 2011 , 85, 276-279	82
1053	Dye-sensitized solar cells based on electrospun polymer blends as electrolytes. 2011 , 95, 296-300	40
1052	Preparation of a functional nanofibrous polymer membrane incorporated with poly(2-aminothiophenol) stabilized gold nanoparticles. 2011 , 44, 37-42	7
1051	Electrospun titanium dioxide nanofibers: Fabrication, properties and its application in photo-oxidative degradation of methyl orange (MO). 2011 , 12, 880-885	24
1050	From proton conductive nanowires to nanofuel cells: A powerful candidate for generating electricity for self-powered nanosystems. 2011 , 4, 1099-1109	8
1049	Improved acetone sensing properties of flat sensors based on Co-SnO ₂ composite nanofibers. 2011 , 56, 2644-2648	17
1048	Aligned polymer fibers produced via an additive electric field. 2011 , 6, 44-47	2

1047	Nonequilibrium Atmospheric Plasma Deposition. 2011 , 20, 744-759	44
1046	Electrospun nanofibers with application in nanocomposites. 2011 , 28, 428-439	16
1045	A study on the effects of laminating temperature on the polymeric nanofiber web. 2011 , 28, 445-448	10
1044	Fabrication of nanostructured and multicompartmental fabrics based on electrospun nanofibers. 2011 , 28, 763-769	5
1043	A novel device for in-situ nanomechanics of 1-D nanostructures. 2011 , 63, 49-56	6
1042	Application of a biotin functionalized QD assay for determining available binding sites on electrospun nanofiber membrane. 2011 , 9, 48	2
1041	Design of pheromone releasing nanofibers for plant protection. 2011 , 22, 407-413	39
1040	Coaxial electrospinning and emulsion electrospinning of core-shell fibers. 2011 , 22, 310-317	322
1039	Nanostructured metal oxide gas sensors prepared by electrospinning. 2011 , 22, 318-325	107
1038	Encapsulation of cells within electrospun fibers. 2011 , 22, 366-371	54
1037	Biomedical applications of nanofibers. 2011 , 22, 350-365	157
1036	Ceramic nanofibers fabricated by electrospinning and their applications in catalysis, environmental science, and energy technology. 2011 , 22, 326-338	264
1035	On the way to clean and safe electrospinning green electrospinning: emulsion and suspension electrospinning. 2011 , 22, 372-378	127
1034	Effects of fiber surface chemistry and roughness on interfacial structures of electrospun fiber reinforced epoxy composite films. 2011 , 32, 837-845	20
1033	Microfluidic channels fabricated on mesoporous electrospun fiber mats: A facile route to microfluidic chips. 2011 , 49, 89-95	16
1032	Atmospheric plasma treatment of pre-electrospinning polymer solution: A feasible method to improve electrospinnability. 2011 , 49, 115-122	29
1031	Chemical reaction between Ag nanoparticles and TCNQ microparticles in aqueous solution. 2011 , 7, 1242-6	89
1030	Nanofiber membranes with controllable microwells and structural cues and their use in forming cell microarrays and neuronal networks. 2011 , 7, 293-7	31

1029	Fabrication of hierarchically porous inorganic nanofibers by a general microemulsion electrospinning approach. 2011 , 7, 1779-83		74
1028	The influence of patterned nanofiber meshes on human mesenchymal stem cell osteogenesis. 2011 , 11, 978-87		43
1027	Mammalian cell viability in electrospun composite nanofiber structures. 2011 , 11, 1346-56		36
1026	Electrospinning of Poly[acrylonitrile-co-(glycidyl methacrylate)] Nanofibrous Mats for the Immobilization of <i>Candida Antarctica</i> Lipase B. 2011 , 212, 319-327		15
1025	High-Performance FETs Prepared From Electrospun Aligned P4TDPP Nanofibers. 2011 , 212, 2452-2458		20
1024	Helical Nanoribbons Fabricated by Electrospinning. 2011 , 296, 1071-1074		19
1023	One-step electro-spinning/netting technique for controllably preparing polyurethane nano-fiber/net. 2011 , 32, 1729-34		71
1022	Coarse-Grained Simulations of Model Polymer Nanofibres. 2011 , 20, 305-319		24
1021	Free-Standing Patterned Ceramic Structures Obtained by Soft Micromolding. 2011 , 13, 502-508		5
1020	One-dimensional nanostructures of ferroelectric perovskites. <i>Advanced Materials</i> , 2011 , 23, 4007-34	24	231
1019	Nano gives the answer: breaking the bottleneck of internal concentration polarization with a nanofiber composite forward osmosis membrane for a high water production rate. <i>Advanced Materials</i> , 2011 , 23, 3256-60	24	322
1018	Quantum-dot-doped polymer nanofibers for optical sensing. <i>Advanced Materials</i> , 2011 , 23, 3770-4	24	114
1017	One-dimensional polyelectrolyte/polymeric semiconductor core/shell structure: sulfonated poly(arylene ether ketone)/polyaniline nanofibers for organic field-effect transistors. <i>Advanced Materials</i> , 2011 , 23, 5109-12	24	34
1016	Superacidic Electrospun Fiber-Nafion Hybrid Proton Exchange Membranes. 2011 , 1, 1133-1140		69
1015	Preparation of Imprinted PVB/β-CD Nanofiber by Electrospinning Technique and Its Selective Binding Abilities for Naringin. 2011 , 29, 1753-1758		14
1014	High-performance oxygen sensors based on Eu(III) complex/polystyrene composite nanofibrous membranes prepared by electrospinning. 2011 , 12, 349-55		32
1013	High-performance nanofiber fuel cell electrodes. 2011 , 4, 1753-7		82
1012	Modulation of mast cell adhesion, proliferation, and cytokine secretion on electrospun bioresorbable vascular grafts. 2011 , 97, 405-13		16

1011	Electrospinning of fluorescent fibers from CdSe/ZnS quantum dots in cellulose triacetate. 2011 , 119, 803-810	19
1010	Preparation of nanoclay-dispersed polystyrene nanofibers via atom transfer radical polymerization and electrospinning. 2011 , 120, 1431-1438	38
1009	A facile approach to fabricate porous nylon 6 nanofibers using silica nanotemplate. 2011 , 120, 425-433	19
1008	Structure and properties of electrospun poly(vinylidene fluoride)/polycarbonate membranes after hot-press. 2011 , 122, 774-781	20
1007	Study on the effect of inorganic salts on the alignment of electrospun fiber. 2011 , 122, 1047-1052	13
1006	Optimization of electrospun polylactide-based ultrathin fibers for osteoconductive bone scaffolds. 2011 , 122, 914-925	36
1005	Electrospinning of Highly Electroactive Carbon-Coated Single-Crystalline LiFePO ₄ Nanowires. 2011 , 123, 6402-6406	24
1004	A Release-Induced Response for the Rapid Recognition of Latent Fingerprints and Formation of Inkjet-Printed Patterns. 2011 , 123, 3790-3793	13
1003	Fine Characteristics Tailoring of Organic and Inorganic Nanowires Using Focused Electron-Beam Irradiation. 2011 , 123, 3818-3822	
1002	Electrospinning of highly electroactive carbon-coated single-crystalline LiFePO ₄ nanowires. 2011 , 50, 6278-82	211
1001	A release-induced response for the rapid recognition of latent fingerprints and formation of inkjet-printed patterns. 2011 , 50, 3706-9	48
1000	Fine characteristics tailoring of organic and inorganic nanowires using focused electron-beam irradiation. 2011 , 50, 3734-8	22
999	Polyacrylonitrile fiber mat-supported palladium catalyst for Mizoroki-Heck reaction in aqueous solution. 2011 , 25, n/a-n/a	0
998	Ionic-liquid synthesis route of TiO ₂ (B) nanoparticles for functionalized materials. 2011 , 17, 775-9	63
997	NO removal by electrospun porous carbon nanofibers at room temperature. 2011 , 170, 505-511	56
996	Effects of solution properties and electric field on the electrospinning of hyaluronic acid. 2011 , 83, 1011-1015	71
995	Preparation of millimeter-long cellulose I nanofibers with diameters of 300-800 nm from bamboo fibers. 2011 , 86, 453-461	156
994	Electrospinning of cyclodextrin/poly(vinyl alcohol) nanofibrous membrane for molecular capture. 2011 , 86, 1410-1416	42

- 993 Preparation and characterization of composite nanofibers of polycaprolactone and nanohydroxyapatite for osteogenic differentiation of mesenchymal stem cells. **2011**, 86, 169-75 110
- 992 Synergistic effects of PEK-C/VGCNF composite nanofibres on a trifunctional epoxy resin. **2011**, 71, 1060-1067 31
- 991 Surface modification of electrospun PLLA nanofibers by plasma treatment and cationized gelatin immobilization for cartilage tissue engineering. **2011**, 7, 234-43 276
- 990 Aligned natural-synthetic polyblend nanofibers for peripheral nerve regeneration. **2011**, 7, 634-43 145
- 989 In vitro cell performance on hydroxyapatite particles/poly(L-lactic acid) nanofibrous scaffolds with an excellent particle along nanofiber orientation. **2011**, 7, 2585-92 110
- 988 Electrospun phase change fibers based on polyethylene glycol/cellulose acetate blends. **2011**, 88, 3133-3139 131
- 987 Electrospun nanofibers as a tool for architecture control in engineered cardiac tissue. **2011**, 32, 5615-24 131
- 986 Strong carbon nanofibers from electrospun polyacrylonitrile. **2011**, 49, 1710-1719 262
- 985 Durable antibacterial Ag/polyacrylonitrile (Ag/PAN) hybrid nanofibers prepared by atmospheric plasma treatment and electrospinning. **2011**, 47, 1402-1409 125
- 984 Photoluminescence properties of β -Ga₂O₃:Tb³⁺ nanofibers prepared by electrospinning. **2011**, 176, 932-936 18
- 983 Synthesis and morphology of electrospun PVA/PLZT composite and single phase PLZT nanofibers. **2011**, 176, 1099-1109 3
- 982 Physicochemical properties and enhanced cellular responses of biocompatible polymeric scaffolds treated with atmospheric pressure plasma using O₂ gas. **2011**, 31, 688-696 8
- 981 Femtosecond laser machining of electrospun membranes. **2011**, 257, 2432-2435 9
- 980 Synthesis of Co₃O₄/Carbon composite nanowires and their electrochemical properties. **2011**, 196, 6987-6991 113
- 979 Electrospinning materials for energy-related applications and devices. **2011**, 196, 4886-4904 353
- 978 Polyacrylonitrile-based nanofibrous membrane with glycosylated surface for lectin affinity adsorption. **2011**, 366, 272-277 40
- 977 Growth mechanism of single-crystal β -Al₂O₃ nanofibers fabricated by electrospinning techniques. **2011**, 31, 723-731 39
- 976 A simple recipe for an efficient TiO₂ nanofiber-based dye-sensitized solar cell. **2011**, 353, 39-45 120

975	The fabrication of one-dimensional Ca ₄ Y ₆ (SiO ₄) ₆ O: Ln ³⁺ (Ln=Eu, Tb) phosphors by electrospinning method and their luminescence properties. 2011 , 355, 89-95	19
974	Photochromism-based detection of volatile organic compounds by W-doped TiO ₂ nanofibers. 2011 , 362, 188-93	21
973	Conjugated rod-coil block copolymers: Synthesis, morphology, photophysical properties, and stimuli-responsive applications. 2011 , 36, 603-637	145
972	One-dimensional conducting polymer nanocomposites: Synthesis, properties and applications. 2011 , 36, 671-712	490
971	A potential enzyme-encapsulating, ultrafine fiber for phenol detection. 2011 , 71, 870-880	13
970	Fabrication and characterization of TiO ₂ /ZnO composite nanofibers. 2011 , 43, 857-861	16
969	Structure, mechanical properties and degradation behaviors of the electrospun fibrous blends of PHBHHx/PDLLA. 2011 , 52, 1391-1401	42
968	Electromagnetic properties of electrospun Fe ₃ O ₄ /carbon composite nanofibers. 2011 , 52, 1645-1653	56
967	Mechanical properties of individual electrospun PA 6(3)T fibers and their variation with fiber diameter. 2011 , 52, 2295-2301	107
966	Magnetic polyacrylonitrile-Fe@FeO nanocomposite fibers - Electrospinning, stabilization and carbonization. 2011 , 52, 2947-2955	82
965	Spontaneous core-sheath formation in electrospun nanofibers. 2011 , 52, 2869-2876	12
964	Poly(o-anisidine)/polystyrene composite fibers via electrospinning process: Surface morphology and chemical vapor sensing. 2011 , 151, 341-350	16
963	Fabrication of N-type Fe ₂ O ₃ and P-type LaFeO ₃ nanobelts by electrospinning and determination of gas-sensing properties. 2011 , 153, 83-88	81
962	Temperature effect on electrospinning of nanobelts: the case of hafnium oxide. 2011 , 22, 285609	34
961	Parameter dependence of conic angle of nanofibres during electrospinning. 2011 , 44, 435401	15
960	Fabrication of a submicron-channel organic field-effect transistor using a controllable electrospun single fibre as a shadow mask. 2011 , 22, 205202	21
959	Electrospun nanofibers for food packaging applications. 2011 , 108-125	24
958	Preparation of Microfibers with Multi-Hollow Structure by Co-Electrospinning. 2011 , 311-313, 536-539	

957	Preparation of PVA/PEG Phase Change Composite Nanofibers by Electrospinning. 2011 , 306-307, 37-40	6
956	Macroporous conductive polymer films fabricated by electrospun nanofiber templates and their electromechanical properties. 2011 , 22, 275501	16
955	Ammonia borane nanofibers supported by poly(vinyl pyrrolidone) for dehydrogenation. 2011 , 21, 14616	39
954	Composited Silver-Contained PA 6 Electrospun Fibers with Spunbond Nonwovens for Filtration Applications. 2011 , 287-290, 2626-2629	1
953	Micro- and nanotechnology in cardiovascular tissue engineering. 2011 , 22, 494003	49
952	Electrospinning jets and nanofibrous structures. 2011 , 5, 13403	268
951	Light scattering assisted surface plasmon resonance at electrospun nanofiber-coated gold surfaces. 2011 , 98, 241109	11
950	Characterization of Electrospun Poly(Lactic Acid)/polyaniline Blend Nanofibers. 2011 , 332-334, 317-320	3
949	A New Feeding Device of Electrospinning Design for the Micro-Structure of Bone Scaffold Prototyping. 2011 , 211-212, 1041-1045	1
948	Poly (acrylonitrile-co-methyl methacrylate) nanofibers grafted with bio-nanosilver particles as antimicrobial against multidrug resistant bacteria. 2011 , 10,	1
947	Uniformity of Nanofiber Alignment by Electrospinning. 2011 , 287-290, 2635-2639	1
946	Nanofibrous textiles in medical applications. 2011 , 547-566	5
945	Preparation and Ammonia Sensing Properties of PANI-TSA/PA6 Core-Shell Nanofibers by Electrospinning. 2011 , 421, 23-26	3
944	Influence of Fabricating Process on Gas Sensing Properties of ZnO Nanofiber-Based Sensors. 2011 , 28, 040701	12
943	Fabrication and Characterization of Regenerated Cellulose/TiO ₂ Nanocomposite Hybrid Fibers. 2011 , 418-420, 237-241	6
942	Alkoxide-based precursors for direct drawing of metal oxide micro- and nanofibres. 2011 , 12, 034412	15
941	Skin tissue regeneration. 2011 , 298-316	4
940	Novel Natural Transdermal Otoliths/Collagen/Bacterial Cellulose Patch for Osteoporosis Treatment. 2011 , 2,	2

939	Micro Humidity Sensor with High Sensitivity and Quick Response/Recovery Based on ZnO/TiO ₂ Composite Nanofibers. 2011 , 28, 070702	23
938	Optimizing Process Variables to Control Fiber Diameter of Electrospun Polycaprolactone Nanofiber Using Factorial Design. 2011 , 1316, 1	3
937	The Chemical and Physical Properties of Poly(ϵ -caprolactone) Scaffolds Functionalised with Poly(vinyl phosphonic acid-co-acrylic acid). 2011 , 2011, 615328	27
936	Wound dressings. 2011 , 317-339	2
935	Nanofiber matrices promote the neuronal differentiation of human embryonic stem cell-derived neural precursors in vitro. 2011 , 17, 855-63	87
934	Inorganic nanofibers with tailored placement of nanocatalysts for hydrogen production via alkaline hydrolysis of glucose. 2011 , 22, 325302	5
933	Fabrication of Coated-Collagen Electrospun PHBV Nanofiber Film by Plasma Method and Its Cellular Study. 2011 , 2011, 1-8	10
932	Randomly oriented and aligned cellulose fibres reinforced with cellulose nanowhiskers, prepared by electrospinning. 2011 , 40, 57-64	27
931	Fabrication and properties of ceramic 1D nanostructures from preceramic polymers: a review. 2011 , 110, 188-204	47
930	Electrospun Scaffolds Composed of Poly(L-lactic acid) and Hydroxyapatite. 2011 , 493-494, 872-877	3
929	Fabrication of Aluminum-Containing Silicon Carbide Fibers from Electrospinning. 2012 , 562-564, 427-430	
928	Needleless Electrospinning of Polystyrene Fibers with an Oriented Surface Line Texture. 2012 , 2012, 1-7	15
927	Preparation and Characterization of Soluble Eggshell Membrane Protein/PLGA Electrospun Nanofibers for Guided Tissue Regeneration Membrane. 2012 , 2012, 1-7	11
926	Needleless Electrospinning of Uniform Nanofibers Using Spiral Coil Spinnerets. 2012 , 2012, 1-9	53
925	Preparation of Polyurethane-Poly (Vinyl Alcohol) / Chitosan Blend Nanofiber Nonwovens by Coelectrospinning. 2012 , 602-604, 157-160	
924	UNIAXIALLY ALIGNED In ₂ O ₃ NANOFIBERS BASED SENSORS WITH FAST RESPONSE TO ETHANOL. 2012 , 24, 105-109	1
923	Shape-Memory Properties of Electrospun Non-wovens Prepared from Amorphous Polyetherurethanes Under Stress-free and Constant Strain Conditions. 2012 , 1403, 49	7
922	Effect of electrospun non-woven mats of dibutyl chitin/poly(lactic acid) blends on wound healing in hairless mice. 2012 , 17, 2992-3007	37

921	A controlled biochemical release device with embedded nanofluidic channels. 2012 , 100, 153510	10
920	. 2012 ,	5
919	Fabrication of magnesium fluoridated hydroxyapatite nanoparticle-polycaprolactone nanocomposite via electrospinning. 2012 ,	
918	A method to integrate patterned electrospun fibers with microfluidic systems to generate complex microenvironments for cell culture applications. 2012 , 6, 24131	30
917	Morphology control of nanohelix by electrospinning. 2012 , 101, 263505	13
916	Nylon-based polymer nanocomposites. 2012 , 238-276	1
915	Electrospun Polystyrene-Multiwalled Carbon Nanotubes: Imaging, Thermal and Spectroscopic Characterization. 2012 , 15, 197-205	15
914	SYNTHESIS OF ELECTROSPRAYED CHITOSAN NANOPARTICLES FOR DRUG SUSTAINED RELEASE. 2012 , 02, 1250003	9
913	Strip twisted electrospun nanofiber yarns: Structural effects on tensile properties. 2012 , 27, 537-544	24
912	Structural and electrical properties of single Ga/ZnO nanofibers synthesized by electrospinning. 2012 , 27, 1672-1679	11
911	Morphology and mechanical properties of MWNT/PMIA nanofibers by electrospinning. 2012 , 82, 1390-1395	9
910	Electrospun fibers: fabrication, functionalities and potential food industry applications. 2012 , 362-397	12
909	The Morphology, Structure and Electrical Properties of Polypyrrole Nanofibers via Electrospinning. 2012 , 616-618, 1675-1679	
908	Coaxial Electrospinning with N, N-Dimethylacetamide for Preparing Methacrylate-Based Copolymer Nanofibers. 2012 , 562-564, 469-472	
907	Preparation and Characterization of Polyacrylonitrile-Based Nanofibers by Electrostatic Spinning. 2012 , 591-593, 1042-1045	1
906	Improved Power Conversion Efficiency of Organic Photovoltaic Cell Fabricated by Electro Spray Deposition Method by Mixing Different Solvents. 2012 , 51, 02BK12	15
905	Bioenabled Interfacial Polymerized on Nanofibrous Scaffold as Composite Nanofiltration Membrane. 2012 , 482-484, 565-568	4
904	Rheological and micro-Raman time-series characterization of enzyme sol-gel solution toward morphological control of electrospun fibers. 2012 , 13, 025008	4

- 903 Effect of PEO on the Hydrophilicity of PLLA Ultrafine Fibers. **2012**, 535-537, 2390-2393
- 902 Electrospun capric acid/polyethylene terephthalate composite nanofibres for storage and retrieval of thermal energy. **2012**, 16, 429-437 4
- 901 Electrospun zein/PVP fibre composite and its potential medical application. **2012**, 16, 14-18 29
- 900 One-dimensional Hollow Oxide Nanostructures: A Highly Sensitive Gas-sensing Platform. **2012**, 647-678
- 899 Surface Electrochemistry of Electrospun Nanofibers. **2012**, 469-480
- 898 Surface Modification of Electrospun Nanofiber and Nanofibrous Membranes. **2012**, 215-258
- 897 Nanoengineered Material Applications in Electronics, Biology, and Energy Harnessing. **2012**, 349-386
- 896 Introduction. **2012**, 1-27 1
- 895 Bioactive Surface Modifications for Dental and Orthopedic Implants. **2012**, 148-183
- 894 Controlled preparation of drug-exchange phase loaded polymeric fibres. **2012**, 1, 48-56 6
- 893 1D hollow Fe_2O_3 electrospun nanofibers as high performance anode material for lithium ion batteries. **2012**, 22, 23049 207
- 892 Mesoporous titania: From synthesis to application. **2012**, 7, 344-366 230
- 891 Dispersion and release of embelin from electrospun, biodegradable, polymeric membranes. **2012**, 44, 1105-1111 8
- 890 Preparation of coaxial-electrospun poly[bis(p-methylphenoxy)]phosphazene nanofiber membrane for enzyme immobilization. **2012**, 13, 14136-48 20
- 889 Quantification of protein incorporated into electrospun polycaprolactone tissue engineering scaffolds. **2012**, 4, 2074-81 72
- 888 Up-Conversion Luminescence of $\text{NaYF}_4:\text{Yb}^{3+}/\text{Er}^{3+}$ Nanoparticles Embedded into PVP Nanotubes with Controllable Diameters. **2012**, 116, 5787-5791 40
- 887 The growth and photocatalytic property of ZnO nanofibers synthesized by atom layer deposition using PVP nanofibers as templates. **2012**, 263, 14-17 14
- 886 One-dimensional luminescent materials derived from the electrospinning process: preparation, characteristics and application. **2012**, 22, 5254 96

885	Enhanced field electron emission from electrospun co-loaded activated porous carbon nanofibers. 2012 , 4, 3405-15	36
884	Facile approach to prepare porous CaSnO ₃ nanotubes via a single spinneret electrospinning technique as anodes for lithium ion batteries. 2012 , 4, 6005-12	65
883	Polymer nanofibers embedded with aligned gold nanorods: a new platform for plasmonic studies and optical sensing. 2012 , 12, 3145-50	149
882	The influence of geometry on the flow rate sensitivity to applied voltage within cone-jet mode electrospay. 2012 , 112, 114510	8
881	Liquid Crystal-Functionalized Nano- and Microfibers Produced by Electrospinning. 2012 , 251-284	
880	Toward facile synthesizing of diamond nanostructures via nanotechnological approach: Lonsdaleite carbon nanofibers by electrospinning. 2012 , 47, 2140-2147	21
879	Colloid-electrospinning: fabrication of multicompartiment nanofibers by the electrospinning of organic or/and inorganic dispersions and emulsions. 2012 , 33, 1978-95	106
878	Synthesis of nano-LiFePO ₄ particles with excellent electrochemical performance by electrospinning-assisted method. 2012 , 16, 3581-3586	19
877	All-Cellulose Composite Fibers Obtained by Electrospinning Dispersions of Cellulose Acetate and Cellulose Nanocrystals. 2012 , 20, 1075-1083	84
876	Engineering thermal and mechanical properties of flexible fiber-reinforced aerogel composites. 2012 , 63, 445-456	57
875	Cellular response to poly(vinyl alcohol) nanofibers coated with biocompatible proteins and polysaccharides. 2012 , 258, 6914-6922	11
874	Preparation and characterization of electrospun poly(p-phenylene oxide) membranes. 2012 , 193, 165-171	12
873	Effects of electrospinning parameters on titanium dioxide nanofibers diameter and morphology: An investigation by Box-Wilson central composite design (CCD). 2012 , 210, 410-416	54
872	Shape-memory properties of electrospun non-woven fabrics prepared from degradable polyesterurethanes containing poly(ϵ -pentadecalactone) hard segments. 2012 , 48, 1866-1874	47
871	Electrospinning of ceramic nanofibers: Fabrication, assembly and applications. 2012 , 1, 2-23	193
870	Electrospun Polyacrylic Acid Polymer Fibers Functionalized with Metallophthalocyanines for Photosensitizing and Gas Sensing Applications. 2012 , 49, 279-287	5
869	Ordering Ag nanowire arrays by a glass capillary: a portable, reusable and durable SERS substrate. 2012 , 2, 987	78
868	Controlled Patterning and Dimensional Control of Suspended Carbon Nanofibers. 2012 , 628, 43-49	3

867	Tuned morphological electrospun hydroxyapatite nanofibers via pH. 2012 , 9, 478-483	8
866	Electrospinning as a versatile method for fabricating coreshell, hollow and porous nanofibers. 2012 , 19, 2029-2034	140
865	Functional nanofibers in sensor applications. 2012 , 209-235	3
864	Functional nanofibers in microelectronics applications. 2012 , 371-410	1
863	Characterization of an isotactic polystyrene/poly(2,6-dimethylphenylene oxide) nanorod blend with gradient composition and crystallinity. 2012 , 2, 8707	12
862	Control of the length of microfibers. 2012 , 12, 2301-4	34
861	Charge assisted tailoring of chemical functionality at electrospun nanofiber surfaces. 2012 , 22, 22935	57
860	Processing of composite functional nanofibers. 2012 , 38-54	8
859	Polymer microstructures with high aspect ratio and low polydispersity using photonic fibres as templates. 2012 , 22, 8208	10
858	Electrospun porous ZnCo ₂ O ₄ nanotubes as a high-performance anode material for lithium-ion batteries. 2012 , 22, 8916	306
857	Nanosize effects of sulfonated carbon nanofiber fabrics for high capacity ion-exchanger. 2012 , 2, 3109	22
856	Controllable fabrication and broadband near-infrared luminescence of various Ni ²⁺ -activated ZnAl ₂ O ₄ nanostructures by a single-nozzle electrospinning technique. 2012 , 14, 13594-600	16
855	Recent advances in nanofibre fabrication techniques. 2012 , 82, 129-147	227
854	The effect of aligned core-shell nanofibres delivering NGF on the promotion of sciatic nerve regeneration. 2012 , 23, 167-84	78
853	Co-assembly of Au nanorods with Ag nanowires within polymer nanofiber matrix for enhanced SERS property by electrospinning. 2012 , 4, 5348-55	76
852	Silica nanofibrous membranes with robust flexibility and thermal stability for high-efficiency fine particulate filtration. 2012 , 2, 12216	100
851	Electrospun fibrous mats as a skeleton for fabricating hierarchically structured materials as sorbents for Cu ²⁺ . 2012 , 22, 5089	26
850	A new ultrahigh-speed method for the preparation of nanofibers containing living cells: a bridge towards industrial bioengineering applications. 2012 , 4, 1003-9	14

849	Tailored Li ₄ Ti ₅ O ₁₂ nanofibers with outstanding kinetics for lithium rechargeable batteries. 2012 , 4, 6870-5	70
848	Photoluminescence and phosphorescence from MCM-48 nanoparticle-embedded composite nanofibers prepared by electrospinning. 2012 , 2, 11207	1
847	Fabrication of nanofibers through a unique morphological transformation of poly(lactic acid) particles in water. 2012 , 48, 2319-21	5
846	All-Organic, Stimuli-Responsive Polymer Composites with Electrospun Fiber Fillers.. 2012 , 1, 80-83	37
845	Nanofibers from Scalable Gas Jet Process. 2012 , 1, 1032-1036	66
844	-Type Semiconducting Polymer Fibers.. 2012 , 1, 366-369	20
843	Encapsulation of amoxicillin within laponite-doped poly(lactic-co-glycolic acid) nanofibers: preparation, characterization, and antibacterial activity. 2012 , 4, 6393-401	151
842	Porous NiO fibers prepared by electrospinning as high performance anode materials for lithium ion batteries. 2012 , 23, 5-8	112
841	Electric field analysis of spinneret design for needleless electrospinning of nanofibers. 2012 , 27, 3013-3019	26
840	Facile fabrication of gold nanoparticles-poly(vinyl alcohol) electrospun water-stable nanofibrous mats: efficient substrate materials for biosensors. 2012 , 4, 1963-71	101
839	Direct electrospinning of highly twisted, continuous nanofiber yarns. 2012 , 103, 80-88	110
838	Effect of pH on protein distribution in electrospun PVA/BSA composite nanofibers. 2012 , 13, 1269-78	47
837	Fiber Generators in Needleless Electrospinning. 2012 , 2012, 1-13	68
836	Development of Protective Clothing against Nanoparticle Based on Electrospun Nanofibers. 2012 , 2012, 1-9	61
835	Facile control of intra-fiber porosity and inter-fiber voids in electrospun fibers for selective adsorption. 2012 , 4, 5316-20	95
834	Electrospun core-shell fibers for robust silicon nanoparticle-based lithium ion battery anodes. 2012 , 12, 802-7	526
833	Electrospinning 3C-SiC Mesoporous Fibers with High Purities and Well-Controlled Structures. 2012 , 12, 536-539	34
832	High Performance Micro CO Sensors Based on ZnO-SnO ₂ Composite Nanofibers with Anti-Humidity Characteristics. 2012 , 29, 120702	5

831	Efficient catalytic reduction of hexavalent chromium using palladium nanoparticle-immobilized electrospun polymer nanofibers. 2012 , 4, 3054-61	157
830	Multi-Phase Composite Nanofibers via Electrospinning of Latex Containing Nanocapsules with Core-Shell Morphology. 2012 , 51, 364-368	16
829	Synthesis, morphology, and sensory applications of multifunctional rod-coil-coil triblock copolymers and their electrospun nanofibers. 2012 , 4, 3387-95	61
828	Effect of Solution Parameters on Spontaneous Jet Formation and Throughput in Edge Electrospinning from a Fluid-Filled Bowl. 2012 , 45, 6527-6537	32
827	On a novel catalytic system based on electrospun nanofibers and M-POSS. 2012 , 4, 604-7	28
826	Morphology-Controlled Synthesis of Nanocrystalline γ -Al ₂ O ₃ Thin Films, Powders, Microbeads, and Nanofibers with Tunable Pore Sizes from Preformed Oligomeric Oxo-Hydroxo Building Blocks. 2012 , 24, 486-494	39
825	A simple and reusable fluorescent sensor for heme proteins based on a conjugated polymer-doped electrospun nanofibrous membrane. 2012 , 94, 216-22	19
824	Supramolecular light-emitting polymers for solution-processed optoelectronic devices. 2012 , 22, 12759	35
823	Core-shell structured PEO-chitosan nanofibers by coaxial electrospinning. 2012 , 13, 412-21	195
822	Coloration and application of pH-sensitive dyes on textile materials. 2012 , 128, 82-90	60
821	Preparation, properties and applications of polysaccharide nanocrystals in advanced functional nanomaterials: a review. 2012 , 4, 3274-94	667
820	Structural evolution of electrospun composite fibers from the blend of polyvinyl alcohol and polymer nanoparticles. 2012 , 28, 15418-24	40
819	Highly sensitive detection of nitroaromatic explosives using an electrospun nanofibrous sensor based on a novel fluorescent conjugated polymer. 2012 , 744, 82-91	80
818	Highly sensitive and ultrafast response surface acoustic wave humidity sensor based on electrospun polyaniline/poly(vinyl butyral) nanofibers. 2012 , 748, 73-80	67
817	Femtosecond laser ablation enhances cell infiltration into three-dimensional electrospun scaffolds. 2012 , 8, 2648-58	101
816	In vitro biocompatibility study of electrospun copolymer ethylene carbonate-ε-caprolactone and vascular endothelial growth factor blended nanofibrous scaffolds. 2012 , 258, 2301-2306	11
815	High performance ethanol sensing films fabricated from ZnO and In ₂ O ₃ nanofibers with a double-layer structure. 2012 , 258, 6643-6647	49
814	Preparation of single conjugated polymer nanofibers with high opto-electric response. 2012 , 177, 1094-1097	4

813	Macro/microfiber-shaped electronic devices. 2012 , 1, 273-281	64
812	Electrospun nickel doped titanium dioxide nanofibers as an effective photocatalyst for the hydrolytic dehydrogenation of ammonia borane. 2012 , 37, 10036-10045	34
811	Electrospun TiO ₂ /SnO ₂ nanofibers with innovative structure and chemical properties for highly efficient photocatalytic H ₂ generation. 2012 , 37, 10575-10584	55
810	TiO ₂ films with rich bulk oxygen vacancies prepared by electrospinning for dye-sensitized solar cells. 2012 , 214, 244-250	51
809	A new era for liquid crystal research: Applications of liquid crystals in soft matter nano-, bio- and microtechnology. 2012 , 12, 1387-1412	453
808	Microfibrillated cellulose - its barrier properties and applications in cellulosic materials: a review. 2012 , 90, 735-64	1153
807	Influence of Laval nozzles on the air flow field in melt blowing apparatus. 2012 , 80, 342-348	44
806	Intelligently optimized electrospun polyacrylonitrile/poly(vinylidene fluoride) nanofiber: Using artificial neural networks. 2020 , 14, 1003-1017	7
805	Synthesis of silver nanoplates on electrospun fibers via tollens reaction for SERS sensing of pesticide residues. 2020 , 187, 560	9
804	Models of polymer solutions in electrified jets and solution blowing. 2020 , 92,	28
803	A new generation of hollow polymeric microfibers produced by gas dissolution foaming. 2020 , 8, 8820-8829	3
802	Facile synthesis of a covalent organic framework (COF) based on the reaction of melamine and trimesic acid incorporated electrospun nanofiber and its application as an electrochemical tyrosinamide aptasensor. 2020 , 44, 14922-14927	7
801	The journey of multifunctional bone scaffolds fabricated from traditional toward modern techniques. 2020 , 3, 281-306	22
800	Dynamic viscosity recovery of electrospinning solution for stabilizing elongated ultrafine polymer nanofiber by TEMPO-CNF. 2020 , 10, 13427	11
799	Nano- and Microfiber PVB Patches as Natural Oil Carriers for Atopic Skin Treatment. 2020 , 3, 7666-7676	13
798	Uniform-thickness electrospun nanofiber mat production system based on real-time thickness measurement. 2020 , 10, 20847	2
797	Mechanical and Physical Regulation of Fibroblast-Myofibroblast Transition: From Cellular Mechanoresponse to Tissue Pathology. 2020 , 8, 609653	21
796	2D and 3D Bulk Materials for Environmental Remediation: Air Filtration and Oil/Water Separation. 2020 , 13,	6

795	Tissue Engineering and Three-Dimensional Printing in Periodontal Regeneration: A Literature Review. 2020 , 9,	6
794	Dynamics of formation of poly(vinyl alcohol) filaments with an energetically efficient micro-mixing mechanism. 2020 , 32, 122101	3
793	Microstructure and Fluctuation-Induced Conductivity Analysis of Bi ₂ Sr ₂ CaCu ₂ O ₈ + λ (Bi-2212) Nanowire Fabrics. 2020 , 10, 986	13
792	Processing Methods Used in the Fabrication of Macrostructures Containing 1D Carbon Nanomaterials for Catalysis. 2020 , 8, 1329	2
791	Morphological/alignment properties of thermoplastic polyurethane nanofiber affected by processing parameters. 2020 , 009524432096984	
790	Electrospun fibers of poly (vinyl alcohol): zinc acetate (PVA:AcZn) and further ZnO production: evaluation of PVA:AcZn ratio and annealing temperature effects on ZnO structure. 2020 , 22, 1	2
789	Alumina castables with addition of fibers produced by electrospinning. 2020 , 46, 16653-16662	3
788	Facile Fabrication of Silicon(IV)Phthalocyanine-Embedded Poly(vinyl alcohol)-Based Antibacterial and Antifouling Interfaces.. 2020 , 3, 3751-3760	11
787	Nanofiber composite membrane using quantum dot hybridized SPEEK nanofiber for efficient through-plane proton conduction. 2020 , 609, 118198	14
786	Synthesis of Water-Soluble Salts of Poly(amic acids) and Structural Features of Fibers and Films Obtained on Their Basis. 2020 , 62, 73-84	
785	A multicompartment vascular implant of electrospun wintergreen oil/ polycaprolactone fibers coated with poly(ethylene oxide). 2021 , 44, 589-597	1
784	Generation of Aligned Electrospun Fibers by Using Insulating and Hydrophobic Collectors. 2020 , 2, 2151-2159	2
783	Mechanical properties and thermal stability of intermolecular-fitted poly(vinyl alcohol)/ β -chitin nanofibrous mat. 2020 , 244, 116476	13
782	Nano/microstructures of shape memory polymers: from materials to applications. 2020 , 5, 1155-1173	30
781	Nanofibrous MgO composites: structures, properties, and applications. 2020 , 59, 1522-1551	0
780	Development of electrospun active films of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by the incorporation of cyclodextrin inclusion complexes containing oregano essential oil. 2020 , 108, 106013	27
779	Patterned nanofiber air filters with high optical transparency, robust mechanical strength, and effective PM capture capability.. 2020 , 10, 20155-20161	16
778	Strategies to Improve Nanofibrous Scaffolds for Vascular Tissue Engineering. 2020 , 10,	13

777	Co-electrospun cellulose diacetate-graft-poly(ethylene terephthalate) and collagen composite nanofibrous mats for cells culture. 2020 , 137, 49350	3
776	Enhanced Electrospinning of Active Organic Fibers by Plasma Treatment on Conjugated Polymer Solutions. 2020 , 12, 26320-26329	7
775	Review on Nanostructure Supporting Material Strategies in Shape-stabilized Phase Change Materials. 2020 , 29, 101299	32
774	Electrospun Nanofibers for Environmental Protection. 2020 , 773-806	2
773	Modification of PCL Scaffolds by Reactive Magnetron Sputtering: A Possibility for Modulating Macrophage Responses. 2020 , 6, 3967-3974	3
772	Antimicrobial Electrospun Materials. 2020 , 243-263	
771	Surface plasma treatment of the electrospun TiO ₂ /PVP composite fibers in different atmospheres. 2020 , 523, 146381	8
770	Effect of elemental nano boron on the transformation and morphology of boron carbide (B ₄ C) powders synthesized from polymeric precursors. 2020 , 46, 17938-17950	8
769	Synthesis of novel catalytic composite nanofibers containing ruthenium nanoparticles stabilized by a citric acid- β -cyclodextrin polymer. 2020 , 2, 2087-2098	3
768	Maneuvering the Migration and Differentiation of Stem Cells with Electrospun Nanofibers. 2020 , 7, 2000735	32
767	Preparation of polymeric nanofibers via immersion electrospinning. 2020 , 134, 109837	10
766	Electrospinning nanofiber scaffolds for soft and hard tissue regeneration. 2020 , 59, 243-261	64
765	Electrospinning Graphene [Retention of Anisotropy. 2020 , 5, 2101-2110	0
764	How Effective Are Nanomaterials for the Removal of Heavy Metals from Water and Wastewater?. 2020 , 231, 1	18
763	Enhancement of the Mechanical Properties of PAN Nanofiber/Carbon Nanotube Composite Mats Produced via Needleless Electrospinning System. 2020 , 21, 1200-1211	5
762	Fabrication and vibrational energy harvesting characterization of flexible piezoelectric nanogenerator (PEN) based on PVDF/PZT. 2020 , 90, 106695	24
761	A review on electrospun polymeric nanofibers: Production parameters and potential applications. 2020 , 90, 106647	67
760	Electrospun Nanofibers for Chemical Separation. 2020 , 10,	23

759	Fabrication of a self-assembled honeycomb nanofibrous scaffold to guide endothelial morphogenesis. 2020 , 12, 045001	5
758	Classification of Electrospinning Methods. 2020 ,	6
757	Functional Nanofibrous Biomaterials of Tailored Structures for Drug Delivery-A Critical Review. 2020 , 12,	13
756	Electrospinning superhydrophobic/superoleophilic PVDF-SiO ₂ nanofibers membrane for oil/water separation. 2020 , 137, 49546	24
755	Copper/Carbon Nanotube Composites Enabled by Electrospinning for Advanced Conductors. 2020 , 3, 6863-6875	6
754	Diversity of Electrospinning Approach for Vascular Implants: Multilayered Tubular Scaffolds. 2020 , 6, 383-397	4
753	Electrospinning chiral fluorescent nanofibers from helical polyacetylene: preparation and enantioselective recognition ability. 2020 , 2, 1301-1308	4
752	Critical condition of electrohydrodynamic jetting from a polymer-solution droplet on a conductive wire. 2020 , 127, 054303	6
751	Electrospinning: A Powerful Tool to Improve the Corrosion Resistance of Metallic Surfaces Using Nanofibrous Coatings. 2020 , 10, 350	14
750	Transparent PAN:TiO and PAN-co-PMA:TiO Nanofiber Composite Membranes with High Efficiency in Particulate Matter Pollutants Filtration. 2020 , 15, 7	13
749	Prussian Blue Decoration on Polyacrylonitrile Nanofibers Using Polydopamine for Effective Cs Ion Removal. 2020 , 59, 4872-4880	9
748	An electrospun polymer composite with fullerene-multiwalled carbon nanotube exohedral complexes can act as memory device. 2020 , 194, 122380	2
747	Microwave-assisted synthesis and characterization of iron oxide microfibers. 2020 , 8, 6159-6167	7
746	A Super-breathable "Woven-like" Protein Nanofabric.. 2020 , 3, 2958-2964	6
745	Strategies in Precursors and Post Treatments to Strengthen Carbon Nanofibers. 2020 , 2, 46-63	18
744	Nanomaterial Patterning in 3D Printing. <i>Advanced Materials</i> , 2020 , 32, e1907142	24 72
743	Influence of monomeric concentration on mechanical and electrical properties of poly(styrene-co-acrylonitrile) and poly(styrene-co-acrylonitrile/acrylic acid) yarns electrospun. 2020 , 137, 49166	2
742	. 2020 ,	

741	Numerical simulation of gas-assisted polymer-melt electrospinning: Parametric study of a multinozzle system for mass production. 2020 , 60, 2111-2121	3
740	The influence of electrospinning flow rate parameter on ZnO nanofiber as photoanode of dye-sensitized solar cell. 2020 ,	2
739	Effect of electrospinning distance to fabricate ZnO nanofiber as photoanode of dye-sensitized solar cells. 2020 ,	2
738	Microwave Absorption Performance of SiC/ZrC/SiZrOC Hybrid Nanofibers with Enhanced High-Temperature Oxidation Resistance. 2020 , 8, 10490-10501	11
737	Nano-Micro Dimensional Structures of Fiber-Shaped Luminous Halide Perovskite Composites for Photonic and Optoelectronic Applications. 2020 , 41, e2000157	5
736	Electrospun (Nickel and palladium) tin(IV) oxide/polyaniline/polyhydroxy-3-butyrate biodegradable nanocomposite fibers for low temperature ethanol gas sensing. 2020 , 31, 425503	6
735	N-doped hierarchical porous hollow carbon nanofibers based on PAN/PVP@SAN structure for high performance supercapacitor. 2020 , 186, 107825	38
734	Polymer of intrinsic microporosity (PIM) based fibrous mat: combining particle filtration and rapid catalytic hydrolysis of chemical warfare agent simulants into a highly sorptive, breathable, and mechanically robust fiber matrix. 2020 , 8, 100085	16
733	Effect of Processing Parameters on the Morphology, Particulate, and Superconducting Properties of Electrospun YBCO Nanostructures. 2020 , 63, 89-97	1
732	Alginate-based bionanocomposites. 2020 , 173-205	
731	Development and characterization of antitumoral electrospun polycaprolactone/functionalized Fe ₃ O ₄ hybrid membranes. 2020 , 17, 100309	12
730	Materials, design, and fabrication of shape programmable polymers. 2020 , 3, 032002	13
729	Medical Fibers and Biotextiles. 2020 , 575-600	2
728	Blowspinning: A New Choice for Nanofibers. 2020 , 12, 33447-33464	24
727	Synthesis of cobalt ferrite nanoparticles via electro spraying into a liquid collector. 2020 , 35, 864-871	2
726	Electrospun CNF Supported Ceramics as Electrochemical Catalysts for Water Splitting and Fuel Cell: A Review. 2020 , 12,	18
725	Targeted morphology of copper oxide based electrospun nanofibers. 2020 , 219, 115547	3
724	Morphology Design of Co-electrospinning MnO-VN/C Nanofibers for Enhancing the Microwave Absorption Performances. 2020 , 12, 13208-13216	41

723	Hybrid 2D nanofibers based on poly(ethylene oxide)/polystyrene matrix and poly(ferrocenylphosphinoboranes) as functional agents. 2020 , 137, 49091	3
722	Cellulose fibrillation and interaction with psyllium seed husk heteroxylan. 2020 , 104, 105725	9
721	Electrospinning Live Cells Using Gelatin and Pullulan. 2020 , 7,	13
720	. 2020 ,	5
719	Three-dimensional monolithic porous structures assembled from fragmented electrospun nanofiber mats/membranes: Methods, properties, and applications. 2020 , 112, 100656	45
718	Designing Scaffolds for Corneal Regeneration. 2020 , 30, 1908996	46
717	Electrospun bead-in-string fibrous membrane prepared from polysilsesquioxane-immobilising poly(lactic acid) with low filtration resistance for air filtration. 2020 , 27, 1	10
716	Porous nanofiber composite membrane with 3D interpenetrating networks towards ultrafast and isotropic proton conduction. 2020 , 8, 5128-5137	9
715	Nanomaterials and Environmental Biotechnology. 2020 ,	6
714	Electrospun nanofibers for the delivery of active drugs through nasal, oral and vaginal mucosa: Current status and future perspectives. 2020 , 111, 110756	42
713	One polymer, one layer, and two opposite functions: Using a pH-switchable polymer to fabricate a hydrophilic/hydrophobic fibrous membrane. 2020 , 137, 49064	2
712	Designing Flexible and Porous Fibrous Membranes for Oil Water Separation—A Review of Recent Developments. 2020 , 60, 671-716	38
711	Influence of high voltage polarity in multi-pin upward electrospinning system on the Fiber morphology of poly (vinyl alcohol). 2020 , 27, 1	5
710	Anisotropic PCL nanofibers embedded with nonlinear nanocrystals as strong generators of polarized second harmonic light and piezoelectric currents. 2020 , 2, 1206-1213	4
709	Highly Flexible, Efficient, and Sandwich-Structured Infrared Radiation Heating Fabric. 2020 , 12, 11016-11025	27
708	Electrospun Functional Materials toward Food Packaging Applications: A Review. 2020 , 10,	94
707	Applications of Electrospun Nanofibers with Antioxidant Properties: A Review. 2020 , 10,	28
706	Tandem electrospinning for heterogeneous nanofiber patterns. 2020 , 12, 025010	3

705	Predicting the macroscopic response of electrospun membranes based on microstructure and single fibre properties. 2020 , 104, 103634	14
704	New emerging nanofabrication methods. 2020 , 87-147	
703	PMMA microfiber and Microball Resonator for formaldehyde liquid sensing. 2020 , 304, 111828	2
702	Recent advances in electrospun nanofibers for some biomedical applications. 2020 , 144, 105224	48
701	Synthesis of one-dimensional neodymium-iron-boron-oxides. 2020 , 264, 127286	2
700	SiC/rGO CoreShell Nanowire as a Lightweight, Highly Efficient Gigahertz Electromagnetic Wave Absorber. 2020 , 2, 473-482	14
699	Recent insights into functionalized electrospun nanofibrous films for chemo-/bio-sensors. 2020 , 124, 115813	34
698	Free-standing interconnected carbon nanofiber electrodes: new structural designs for supercapacitor application. 2020 , 31, 185403	9
697	TiO Sol-Gel Coated PAN/O-MMT Multi-Functional Composite Nanofibrous Membrane Used as the Support for Laccase Immobilization: Synergistic Effect between the Membrane Support and Enzyme for Dye Degradation. 2020 , 12,	10
696	A portable solution blow spinning device for minimally invasive surgery hemostasis. 2020 , 387, 124052	19
695	Electrospinning Technologies in Wound Dressing Applications. 2020 , 315-336	6
694	In situ melt electrospun polycaprolactone/FeO nanofibers for magnetic hyperthermia. 2020 , 110, 110708	11
693	Adsorption of Dyes Using Poly(vinyl alcohol) (PVA) and PVA-Based Polymer Composite Adsorbents: A Review. 2020 , 28, 775-793	48
692	Ultrafast 3D printing with submicrometer features using electrostatic jet deflection. 2020 , 11, 753	59
691	Recent progress in the design and synthesis of nanofibers with diverse synthetic methodologies: characterization and potential applications. 2020 , 44, 9581-9606	28
690	Poultry Shelf-Life Enhancing Potential of Nanofibers and Nanoparticles Containing Porphyra dioica Extracts. 2020 , 10, 315	9
689	Highly transparent and flexible surface modified chitin nanofibers reinforced poly (methyl methacrylate) nanocomposites: Mechanical, thermal and optical studies. 2020 , 197, 122497	5
688	Nanostructured apatites grown by laser floating zone. 2020 , 31, 8329-8335	

687	Porous electrospun carbon nanofibers network as an integrated electrode@gas diffusion layer for high temperature polymer electrolyte membrane fuel cells. 2020 , 345, 136192	8
686	One-dimensional mesoporous inorganic nanostructures and their applications in energy, sensor, catalysis and adsorption. 2020 , 113, 100671	39
685	Evaluation of Repellent Effectiveness of Polyvinyl Alcohol/ Nanofibrous Membranes against. 2020 , 12,	
684	Recent developments in nanofiber-based sensors for disease detection, immunosensing, and monitoring. 2020 , 2, 100005	17
683	Di-anisotropic conductive Janus-type film endowed with super-paramagnetism and enhance red fluorescence. 2020 , 53, 225301	2
682	Hygroresponsive coiling of seed awns and soft actuators. 2020 , 38, 100746	3
681	Electro-blown spinning driven by cylindrical rotating triboelectric nanogenerator and its applications for fabricating nanofibers. 2020 , 19, 100631	5
680	Properties of carbon-based nanofiber with Pd and its application to microbial fuel cells electrode. 2020 , 19, 100800	8
679	Thermochromic Fibers via Electrospinning. 2020 , 12,	10
678	Understanding the synergy between MgO-CeO ₂ as an effective promoter and ionic liquids for high dimethyl carbonate production from CO ₂ and methanol. 2020 , 395, 124970	17
677	Preparation of thorium dioxide nanofibers by electrospinning. 2020 , 534, 152153	3
676	Electrospinning-Based Strategies for Battery Materials. 2021 , 11, 2000845	78
675	Polymeric nanocomposite via electrospinning: Assessment of morphology, physical properties and applications. 2021 , 37, 70-92	3
674	Nanofiber engineering of microporous polyimides through electrospinning: Influence of electrospinning parameters and salt addition. 2021 , 198, 109280	25
673	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. 2021 , 2, 2000048	86
672	Soft capacitor fibers using conductive polymers for electronic textiles. 2021 , 189-202	
671	Electrospun carbon nanofibers as electrode materials for supercapacitor applications. 2021 , 641-688	2
670	Electrospun methacrylic acid-modified polystyrene nanofiber as solid phase adsorbent for preconcentration of methyl green from aqueous samples. 2021 , 68, 285-290	4

669	Polyimide separators for rechargeable batteries. 2021 , 58, 170-197	19
668	Dynamic hydrophobicity of superhydrophobic PTFE-SiO ₂ electrospun fibrous membranes. 2021 , 619, 118810	13
667	Molecular dynamics study of sessile ionic nanodroplet under external electric field. 2021 , 229, 116143	6
666	Electrospinning for tissue engineering applications. 2021 , 117, 100721	120
665	Integration of a Photo-Fenton Reaction and a Membrane Filtration using CS/PAN@FeOOH/g-C ₃ N ₄ Electrospun Nanofibers: Synthesis, Characterization, Self-cleaning Performance and Mechanism. 2021 , 281, 119519	40
664	Preparation, characterization and application of curcumin based polymeric bio-composite for efficient removal of endotoxins and bacterial cells from therapeutic preparations. 2021 , 32, 563-580	2
663	The improved antibacterial efficiency of a zinc phthalocyanine when embedded on silver nanoparticle modified silica nanofibers. 2021 , 33, 102100	4
662	Bright and persistent green and red light-emitting fine fibers: A potential candidate for smart textiles. 2021 , 231, 117760	7
661	Photoluminescent Behaviors of Thermally Activated Delayed Fluorescence Polymeric Emitters in Nanofibers. 2021 , 42, e2000588	1
660	Electrospun three-dimensional nanofibrous scaffolds based on polycaprolactone for stem cells differentiation and bone regeneration. 2021 , 179-215	1
659	An optimization approach for fabricating electrospun nanofiber air filters with minimized pressure drop for indoor PM _{2.5} control. 2021 , 188, 107449	13
658	Carbon-based metal-free catalysts for electrochemical CO ₂ reduction: Activity, selectivity, and stability. 2021 , 3, 24-49	14
657	TiO ₂ nanoparticle embedded nitrogen doped electrospun helical carbon nanofiber-carbon nanotube hybrid anode for lithium-ion batteries. 2021 , 46, 2464-2478	8
656	Personalized Reusable Face Masks with Smart Nano-Assisted Destruction of Pathogens for COVID-19: A Visionary Road. 2021 , 27, 6112-6130	29
655	Electrospun TiO ₂ nanofibers for water and wastewater treatment: a review. 2021 , 56, 5428-5448	16
654	Nanoribbons fabricated by melt electrospinning. 2021 , 53, 493-503	3
653	Preparation of a Novel Ti-metal Organic Framework Porous Nanofiber Polymer as an Efficient Dental Nano-coating: Physicochemical and Mechanical Properties. 2021 , 60, 734-743	1
652	Sol-gel electrospinning of diverse ceramic nanofibers and their potential applications. 2021 , 689-764	0

651	Air-jet spinning corn zein protein nanofibers for drug delivery: Effect of biomaterial structure and shape on release properties. 2021 , 118, 111419	3
650	Characterisation of electrospun PS/PU polymer blend fibre mat for oil sorption. 2021 , 212, 123129	2
649	Enhancing properties and water resistance of PEO-based electrospun nanofibrous membranes by photo-crosslinking. 2021 , 56, 1879-1896	10
648	Electrospun cotton/wool-like silica/gelatin hybrids with covalent coupling. 2021 , 97, 11-26	2
647	Flocculating and dewatering of kaolin suspensions with different forms of poly(acrylamide-co-diallyl dimethylammonium chloride). 2021 , 99, 489-501	1
646	Uniform decoration of UiO-66-NH nanooctahedra on TiO electrospun nanofibers for enhancing photocatalytic H ₂ production based on multi-step interfacial charge transfer. 2021 , 50, 6152-6160	4
645	Innovative Strategies in Tendon Tissue Engineering. 2021 , 13,	11
644	Start-up stage with improved resolution for an electric field-assisted fused deposition.. 2021 , 11, 7397-7404	
643	Fabrication and characterization of PVA-based green materials. 2021 , 133-177	1
642	Electrospun nanofibers for interfacial toughening and damage self-healing of polymer composites and surface coatings. 2021 , 315-359	1
641	Feasible strategies to promote the sensing performances of spinel MCo ₂ O ₄ (M = Ni, Fe, Mn, Cu and Zn) based electrochemical sensors: a review.	11
640	Polymer and Ceramic-Based Hollow Nanofibers via Electrospinning. 2021 , 223-250	
639	1D Spinel Architectures via Electrospinning for Supercapacitors. 2021 , 199-221	
638	Electrospun nanofibers promote wound healing: theories, techniques, and perspectives. 2021 , 9, 3106-3130	33
637	Electro-catalytic membrane reactors for the degradation of organic pollutants [a review]. 2021 , 6, 1508-1526	4
636	Advances and innovations in electrospinning technology. 2021 , 45-81	3
635	Nanostructured Materials for Glycan Based Applications. 2021 , 473-505	
634	Application of electrospun composite materials for algal bioprocesses. 2021 , 449-469	0

- 633 Main structural and mechanical properties of electrospun PAN-based carbon nanofibers as a function of carbonization maximum temperature. **2021**, 1-34 2
- 632 Electrospun Cobalt Based Composites as Anodes for Lithium-Ion Batteries. **2021**, 319-344
- 631 In Situ Radical Polymerization of N-isopropylacrylamide in Electrospun Anisotropic Nanofiber of Poly (Ethylene Oxide). **2021**, 77, 40-45 1
- 630 Sustainable nanotextiles: emerging antibacterial fabrics. **2021**, 619-651
- 629 Recent Progress in Electrospinning Technologies for Graphene-Based Materials. **2021**, 1-34
- 628 An unparalleled H-bonding and ion-bonding crosslinked waterborne polyurethane with super toughness and unprecedented fracture energy. **2021**, 8, 2742-2749 10
- 627 Recent advancements and challenges in the field of nanotechnology for wastewater treatment, recycle, and reuse. **2021**, 407-430
- 626 Beyond homogeneous dispersion: oriented conductive fillers for high nanocomposites. **2021**, 8, 3009-3042 3
- 625 Carbon Nanomaterials. **2021**, 784-809
- 624 Fabrication of Stretchable and Transparent CoreShell Polymeric Nanofibers Using Coaxial Electrospinning and Their Application to Phototransistors. **2021**, 7, 2001000 4
- 623 Adhesion behaviors on four special wettable surfaces: natural sources, mechanisms, fabrications and applications. **2021**, 17, 4895-4928 8
- 622 Silkworm and spider silk electrospinning: a review. **2021**, 19, 1-27 18
- 621 Recycling Nanofibers from Polyethylene Terephthalate Waste Using Electrospinning Technique. **2021**, 805-821 22
- 620 Electrospun Nanofibrous Polyvinylidene Fluoride-co-Hexafluoropropylene-Based Polymer Gel Electrolytes for Lithium-Ion Batteries. **2021**, 95-119
- 619 Nanotechnology: A smart translation of ingredients in the agriculture industry. **2021**, 47-65
- 618 Lithium Cobalt Oxide (LiCoO₂): A Potential Cathode Material for Advanced Lithium-Ion Batteries. **2021**, 455-477
- 617 Nanomaterials for treatment of air pollutants. **2021**, 313-339 1
- 616 A review on electrospun magnetic nanomaterials: methods, properties and applications. **2021**, 9, 9042-9082 11

615	Biomimicking spider webs for effective fog water harvesting with electrospun polymer fibers. 2021 , 13, 16034-16051	6
614	Electrospun PPY.DBSA/PVA Nanofibers for Ammonium Gas Sensor. 2021 , 24,	0
613	Fabrication and Characterization of Silk Fibroin-Based Nanofibrous Scaffolds Supplemented with Gelatin for Corneal Tissue Engineering. 2021 , 210, 173-194	4
612	Production and Application of Biodegradable Nanofibers Using Electrospinning Techniques. 2021 , 1-24	
611	Development of Electrospun Nanofibrous Filters for Controlling Coronavirus Aerosols.	1
610	Mathematical-physical model of solving inventive problems. 2021 , 49, 726-733	
609	3D Graphene Nanocomposite by Electrospinning for Supercapacitor. 2021 , 93-118	
608	Nanomaterials for wastewater treatment: Concluding remarks. 2021 , 1125-1157	2
607	Electrospun cationic nanofiber membranes for adsorption and determination of Cr(vi) in aqueous solution: adsorption characteristics and discoloration mechanisms.. 2021 , 11, 31795-31806	0
606	Electrospinning: The State of Art Technique for the Production of Nanofibers and Nanofibrous Membranes for Advanced Engineering Applications. 2021 , 23-71	
605	CuO/ZnO Heterojunction Nanograins: Methanol Vapour Detection. 2021 , 50, 2482-2495	1
604	The Role of the Fiber/Bead Hierarchical Microstructure on the Properties of PVDF Coatings Deposited by Electrospinning. 2021 , 13,	1
603	Preparation and Applications of Electrospun Optically Transparent Fibrous Membrane. 2021 , 13,	8
602	The design of a bench-scale adsorbent column based on nanoclay-loaded electrospun fiber membrane for the removal of arsenic in wastewater. 2021 , 35, 937-942	2
601	Biopolymer Nanofibers for Nanogenerator Development. 2021 , 2021, 1843061	9
600	Fabricating Antibacterial and Antioxidant Electrospun Hydrophilic Polyacrylonitrile Nanofibers Loaded with AgNPs by Lignin-Induced In-Situ Method. 2021 , 13,	8
599	Antibacterial activities of centrifugally spun polyethylene oxide/silver composite nanofibers. 2021 , 32, 2327-2338	11
598	Potential Applications of Conducting Polymers to Reduce Secondary Bacterial Infections among COVID-19 Patients: a Review. 2021 , 4, 1-14	8

597	Development and current situation of flexible and transparent EM shielding materials. 2021 , 32, 25603	3
596	Controllable configuration of conductive pathway by tailoring the fiber alignment for ultrasensitive strain monitoring. 2021 , 141, 106223	2
595	Integrated Continuous Pharmaceutical Technologies A Review. 2021 , 25, 721-739	18
594	Insight into the Electrospinning Process for SOFC Cathode Nanofibers. 2021 , 125, 7044-7053	2
593	Chemical Synthesis of Conducting Polymers Nanostructures. 2021 , 43-83	
592	Synthesis and characterization of WS ₂ /SiO ₂ microfibers. 2021 , 56, 10834-10846	1
591	Aerodynamics and the role of the earth's electric field in the spiders' ballooning flight. 2021 , 207, 219-236	2
590	Electrospun Nanofibrous Scaffolds: Review of Current Progress in the Properties and Manufacturing Process, and Possible Applications for COVID-19. 2021 , 13,	7
589	Nanostructured Conjugated Polymer for Solar Cell Applications. 2021 , 297-356	
588	Fabrication of biodegradable polyurethane electrospun webs of fibers modified with biocompatible graphene oxide nanofiller. 152808372110031	0
587	Preparation of free-standing flexible conductive silver submicron fiber network by direct electrospinning. 2021 , 286, 129273	1
586	Prospects of Polymeric Nanofibers Loaded with Essential Oils for Biomedical and Food-Packaging Applications. 2021 , 22,	18
585	Fabrication of Multi-oriented Composite Nanofibrous Membrane by Electrospinning. 2021 ,	
584	Electrospun Polyimide Nanofiber Separators for Lithium-ion Batteries. 2021 ,	
583	Paper and Other Fibrous Materials-A Complete Platform for Biosensing Applications. 2021 , 11,	2
582	Robust dual-layered omniphobic electrospun membrane with anti-wetting and anti-scaling functionalised for membrane distillation application. 2021 , 624, 119089	20
581	Microfluidics for flexible electronics. 2021 , 44, 105-135	26
580	Bioinspired Fibers with Controlled Wettability: From Spinning to Application. 2021 , 15, 7907-7930	23

579	Shape Memory Polymer Fibers: Materials, Structures, and Applications. 1	5
578	Recent Advances on Electrospun Nanofiber Materials for Post-lithium Ion Batteries. 2021 , 3, 275	11
577	Experimental design to evaluate properties of electrospun fibers of zein/poly (ethylene oxide) for biomaterial applications. 2021 , 138, 50898	2
576	Self-microemulsification-assisted incorporation of tacrolimus into hydrophilic nanofibers for facilitated treatment of 2,4-dinitrochlorobenzene induced atopic dermatitis like lesions. 2021 , 62, 102326	0
575	Oriented assembly of monomicelles in beam stream enabling bimodal mesoporous metal oxide nanofibers. 2021 , 64, 2486-2496	0
574	A review of vascular networks for self-healing applications. 2021 , 30, 063001	7
573	Electrospun Bi ³⁺ /TiO ₂ nanofibers for concurrent photocatalytic H ₂ and clean water production from glycerol under solar irradiation: A systematic study. 2021 , 298, 126671	4
572	Highly conductive and transparent electrospun indium tin oxide nanofibers calcined by microwave plasma. 2021 , 32,	2
571	Optical Index Matching, Flexible Electrospun Substrates for Seamless Organic Photocapacitive Sensors. 2021 , 258, 2000543	2
570	Polyacrylonitrile/polyvinyl alcohol-based porous carbon nanofiber electrodes for supercapacitor applications. 2021 , 45, 16497-16510	3
569	Optimizing the Interfaces of Energetic Textiles with Perfluorinated Oligomer-Coated Aluminum Nanoparticles: Implications for Metastable Intermolecular Composites. 2021 , 4, 6002-6011	0
568	Porous SiO ₂ Nanofibers Loaded with CuO Nanoparticles for the Dosimetric Detection of H ₂ S. 2021 , 4, 5004-5013	2
567	Electrospun fibers based on porcine plasma: a rheological and morphological study. 2021 , 30, 723-735	
566	Nanofibers Produced by Electrospinning of Ultrarigid Polymer Rods Made from Designed Peptide Bundlemers. 2021 , 13, 26339-26351	4
565	Focused Patterning of Electrospun Nanofibers Using a Dielectric Guide Structure. 2021 , 13,	1
564	Development of Electrospun Nanofibrous Filters for Controlling Coronavirus Aerosols. 2021 , 8, 545-550	17
563	Transformation of fibrous membranes from opaque to transparent under mechanical pressing. 2021 ,	0
562	The Effect of Solvent and Molecular Weight on the Morphology of Centrifugally Spun Poly(vinylpyrrolidone) Nanofibers. 2021 , 22, 2394-2403	5

561	Low-Voltage Operating Field-Effect Transistors and Inverters Based on InO Nanofiber Networks. 2021 , 68, 2522-2529	8
560	Antimicrobial Surgical Sutures: Fabrication and Application of Infection Prevention and Wound Healing. 2021 , 22, 2355-2367	2
559	Study of the electric field distribution of various electrospinning geometries and its effect on the resultant nanofibers using finite element simulation. 2021 , 235, 116463	8
558	Stretchable and Superwetable Colorimetric Sensing Patch for Epidermal Collection and Analysis of Sweat. 2021 , 6, 2261-2269	17
557	Advances in Electrospun Fiber-Based Flexible Nanogenerators for Wearable Applications. 2021 , 306, 2100143	11
556	Inorganic Thermoelectric Fibers: A Review of Materials, Fabrication Methods, and Applications. 2021 , 21,	4
555	Rapid formation of metal-nonphenolic networks on polymer membranes for oil/water separation and dye adsorption. 2021 ,	2
554	Recent Advances on Electrospun Nanomaterials for Zinc-Air Batteries. 2021 , 1, 2100010	33
553	Solvent-Free Low-Temperature Annealing Method for Aqueous Stable Perovskite Nanofibers and Its Role in Peroxide Catalysis. 2021 , 9, 7678-7686	1
552	Rational design of nanomaterials for high energy density dielectric capacitors via electrospinning. 2021 , 37, 530-555	10
551	Confined crystallization and chain conformational change in electrospun poly(ethylene oxide) nanofibers. 2021 , 53, 895-905	5
550	The characterization and quantification of the induced mesophases of poly-l-lactic acid. 2021 , 226, 123822	1
549	Current and future trends in polymer membrane-based gas separation technology: A comprehensive review. 2021 , 98, 103-129	27
548	pH-Responsive Electrospun Nanofibers and Their Applications. 1-49	12
547	Electrospun Cellulosic Membranes toward Efficient Chiral Resolutions via Enantioselective Permeation.. 2021 , 10, 921-925	2
546	Optimization of the Electrospun Niobium-Tungsten Oxide Nanofibers Diameter Using Response Surface Methodology. 2021 , 11,	1
545	An Overview of the Design of Chitosan-Based Fiber Composite Materials. 2021 , 5, 160	4
544	Recent developments of electrospun nanofibrous materials as novel adsorbents for water treatment. 2021 , 27, 102272	10

543	Evaluation of the Photocatalytic Activity and Anticorrosion Performance of Electrospun Fibers Doped with Metallic Oxides. 2021 , 13,	2
542	Multilevel Photonic Transistor Memory Devices Based on 1D Electrospun Semiconducting Polymer /Perovskite Composite Nanofibers. 2021 , 6, 2100080	5
541	Recent advances in photoluminescent polymer optical fibers. 2021 , 25, 100912	5
540	Electrospun Nanofibre Air Filters for Particles and Gaseous Pollutants. 2021 , 13, 6553	3
539	Fabrication of hierarchical porous poly (L-lactide) (PLLA) fibrous membrane by electrospinning. 2021 , 226, 123797	4
538	Development and Characterization of Electrospun Biopapers of Poly(3-hydroxybutyrate–3-hydroxyvalerate) Derived from Cheese Whey with Varying 3-Hydroxyvalerate Contents. 2021 , 22, 2935-2953	3
537	On the Ejection of Filaments of Polymer Solutions Triggered by a Micrometer-Scale Mixing Mechanism. 2021 , 14,	2
536	Scaffolds for the manufacture of cultured meat. 2021 , 1-13	17
535	Electrospun Polysaccharidic Textiles for Biomedical Applications. 2021 , 1, 152-169	3
534	YAG/Al ₂ O ₃ /ZrO ₂ composite fibers of core-shell structure prepared by electrospinning. 1-9	0
533	Electrospun Metal Oxide Nanofibers and Their Conductometric Gas Sensor Application. Part 1: Nanofibers and Features of Their Forming. 2021 , 11,	4
532	Electrospun Silsequioxane-grafted PVDF hybrid membranes for high-performance rechargeable lithium batteries. 2021 , 215, 108849	6
531	Development and thermochemical characterization of an antioxidant material based on polyhydroxybutyrate electrospun microfibers. 2021 , 183, 772-780	4
530	An overview on the development of nanofiber-based as polymer electrolyte membrane and electrocatalyst in fuel cell application. 2021 , 45, 18441	5
529	Random copolymerization of macromonomers as a versatile strategy to synthesize mixed-graft block copolymers. 2021 , 59, 2571	0
528	Reviewing Chitin/Chitosan Nanofibers and Associated Nanocomposites and Their Attained Medical Milestones. 2021 , 13,	6
527	Programmable Mechanically Active Hydrogel-Based Materials. <i>Advanced Materials</i> , 2021 , 33, e2006600 24	9
526	Electrospun scaffolds for wound healing applications from poly(4-hydroxybutyrate): A biobased and biodegradable linear polymer with high elastomeric properties. 2022 , 139, 51447	2

525	Polymer-Derived Lightweight SiBCN Ceramic Nanofibers with High Microwave Absorption Performance. 2021 , 13, 34889-34898	12
524	Conformal Fabrication of an Electrospun Nanofiber Mat on a 3D Ear Cartilage-Shaped Hydrogel Collector Based on Hydrogel-Assisted Electrospinning. 2021 , 16, 116	2
523	Fabrication of Superconducting Nanowires Using the Template Method. 2021 , 11,	3
522	Stress-Function Variational Method for Accurate Free-Edge Interfacial Stress Analysis of Adhesively Bonded Single-Lap Joints and Single-Sided Joints. 2021 , 5, 197	
521	Novel PVDF membrane with sandwich structure for enhanced membrane distillation. 2021 , 415, 128960	4
520	Formaldehyde vapour sensing property of electrospun NiO nanograins. 2021 , 15, 416-430	1
519	Overview of Nano-Fiber Mats Fabrication via Electrospinning and Morphology Analysis. 2021 , 1, 206-226	11
518	Evaluation of Electrospun Self-Supporting Paper-Like Fibrous Membranes as Oil Sorbents. 2021 , 11,	1
517	Mixed-Matrix Membrane Fabrication for Water Treatment. 2021 , 11,	4
516	Matrices for Tissue Engineering Based on Ultrafine Fibers and Microparticles of Poly(hydroxybutyrate). 2021 , 12, 974-979	
515	Electrospun Nanofibrous Membranes for Tissue Engineering and Cell Growth. 2021 , 11, 6929	9
514	Rational design of ZIF-8 assimilated hierarchical porous carbon nanofibers as binder-free electrodes for supercapacitors. 2021 , 895, 115471	5
513	Electrospinning nanofibers to 1D, 2D, and 3D scaffolds and their biomedical applications. 1	12
512	Recent Progress in the Fabrication and Characteristics of Self-Repairing Superhydrophobic Surfaces. 2021 , 8, 2100228	8
511	Structure-Function in Helical Cardiac Musculature Using Additive Textile Manufacturing.	0
510	Epoxy-matrix nanocomposites reinforced by electrospun polymeric nanofibrous layers: PAN, PA-6,6, and hybrid PAN/PA-6,6. 095440622110426	0
509	Tailoring Nanoporous-Engineered Sponge Fiber Molecular Sieves with Ternary-Nested Architecture for Precise Molecular Separation. 2021 ,	4
508	Nanotechnology and its Application in Wastewater Treatment. 2021 , 307-332	

507	Immobilization of beneficial microbe <i>Methylobacterium aminovorans</i> in electrospun nanofibre as potential seed coatings for improving germination and growth of groundnut <i>Arachis hypogaea</i> . 1	1
506	In vitro and in vivo advancement of multifunctional electrospun nanofiber scaffolds in wound healing applications: Innovative nanofiber designs, stem cell approaches, and future perspectives. 2021,	8
505	Electrospinning through the prism of time. 2021, 21, 100543	8
504	Mechanical characterization and neutrophil NETs response of a novel hybrid geometry polydioxanone near-field electrospun scaffold. 2021, 16,	1
503	One-dimensional electrospun ceramic nanomaterials and their sensing applications.	2
502	Size Effects in Sodium Ion Batteries. 2021, 2106047	7
501	Physicochemical characteristics of polysulfone nanofiber membranes with iron oxide nanoparticles via electrospinning. 51661	0
500	Study on Processing Parameters of Polycaprolactone Electrospinning for Fibrous Scaffold using Factorial Design. 1	
499	Advances of electrospun Mo-based nanocomposite fibers as anode materials for supercapacitors. 2021, 29, e00302	4
498	Fabrication and evaluation of a portable low-pressure headspace solid-phase microextraction device for on-site analysis. 2021, 168, 106362	3
497	Proton Exchange Membrane Fuel Cells (PEMFCs): Advances and Challenges. 2021, 13,	15
496	The Application of Hollow Carbon Nanofibers Prepared by Electrospinning to Carbon Dioxide Capture. 2021, 13,	0
495	Electrospun Li-confinable hollow carbon fibers for highly stable Li-metal batteries. 2021, 422, 130017	13
494	Morphological evolution of boron carbide particles: Sol-gel synthesis of nano/micro B ₄ C fibers. 2021, 47, 26651-26667	0
493	Towards producing high-quality lignin-based carbon fibers: A review of crucial factors affecting lignin properties and conversion techniques. 2021, 189, 768-784	12
492	Preparation of carboxymethyl starch/polyvinyl-alcohol electrospun composite nanofibers from a green approach. 2021, 190, 601-606	0
491	Role of magnetism present in the cobaltites (ACo ₂ O ₄ A = Co, Mn, and Fe) on the charge storage mechanism in aqueous supercapacitor. 2021, 568, 150966	0
490	Tuned interactions within inclusion complex to generate electrospun matrices of superior strength. 2021, 29, 102794	2

489	Bio-based electrospun nanofiber as building blocks for a novel eco-friendly air filtration membrane: A review. 2021 , 277, 119623	34
488	Update on chitosan-based electrospun nanofibers for wastewater treatment: A review. 2021 , 2, 100064	7
487	Fabrication and characterization of 3-dimensional electrospun poly(vinyl alcohol)/keratin/chitosan nanofibrous scaffold. 2022 , 275, 118682	9
486	Insight into molecular rearrangement of a sessile ionic nanodroplet with applied electric field. 2022 , 247, 117083	2
485	Modifications in metal oxide electrospun nanofibers for environmental applications. 2021 , 621-639	
484	The use of carbon nanomaterials in membrane distillation membranes: a review. 2021 , 15, 755-774	15
483	Wastewater. 2021 , 237-324	
482	Transition metal sulfides meet electrospinning: versatile synthesis, distinct properties and prospective applications. 2021 , 13, 9112-9146	7
481	Novel Antimicrobials Obtained by Electrospinning Methods. 261-285	6
480	Biomimetic Nanofibrous Scaffolds for Bone Tissue Engineering Applications. 69-89	2
479	Electrical Conduction in Nanostructured Ceramics. 697-727	1
478	Stretchable Fluorescent Polyfluorene/Acrylonitrile Butadiene Rubber Blend Electrospun Fibers through Physical Interaction and Geometrical Confinement. 2018 , 39, 1700616	10
477	VO Nanostructures for Batteries and Supercapacitors: A Review. 2021 , 17, e2006651	20
476	Culture of bone marrow mesenchymal stem cells on engineered matrix. 2010 , 621, 117-37	6
475	Synthetic Multi-level Matrices for Bone Regeneration. 2011 , 99-122	4
474	Nanotechnology in Wastewater and the Capacity of Nanotechnology for Sustainability. 2020 , 1-45	3
473	Electrospun Nano-architectures for Tissue Engineering and Regenerative Medicine. 2020 , 213-248	2
472	Three-Dimensional (3D) and Drug-Eluting Nanofiber Coating for Prosthetic Implants. 2020 , 91-114	3

471	Wastewater and Industrial Effluent Treatment by Using Nanotechnology. 2020 , 299-313	2
470	Development of TiO ₂ Nanowires for Membrane Filtration Applications. 2014 , 47-77	1
469	Facile and Ultrasensitive Sensors Based on Electrospinning-Netting Nanofibers/Nets. 2015 , 1-34	4
468	Automated Polarized Microscopy Analysis of Fluorescent and Birefringent Nano- and Microfibers. 2015 , 151-176	9
467	Mixed Metal and Metal Oxide Nanofibers: Preparation, Fabrication, and Applications. 2019 , 323-346	3
466	Microelectromechanical Sensors. 2012 , 207-260	1
465	Carbon Nanofibers. 2013 , 233-262	25
464	Electrospun Nanofibers: Solving Global Issues. 2014 , 3-38	2
463	Electrospun Nanofiber-Based Photocatalysts. 2014 , 371-401	1
462	Applications of Electrospinning in Design and Fabrication of Electrodes for Lithium-Ion Batteries. 2014 , 69-89	1
461	Application of Nanofibers in Supercapacitors. 2014 , 163-181	6
460	Applications of Electrospun Nanofibers for Electronic Devices. 2015 , 617-652	5
459	Morphology-controlled synthesis and characterization of CdTe micro-/nanoscale structures by electrodeposition method. 2017 , 52, 10431-10438	5
458	Cardiovascular tissue engineering. 2020 , 249-272	3
457	Recent advances in biodegradable matrices for active ingredient release in crop protection: Towards attaining sustainability in agriculture. 2020 , 48, 121-136	19
456	Boosting sodium-ion storage performance of MoSe ₂ @C electrospinning nanofibers by embedding graphene nanosheets. 2017 , 727, 1280-1287	44
455	Polyvinyl alcohol/Gum tragacanth/graphene oxide composite nanofiber for antibiotic delivery. 2020 , 60, 102044	24
454	Integration Techniques for Micro/Nanostructure-based Large-Area Electronics. 2018 ,	12

453	Carbon-Based Fibers for Advanced Electrochemical Energy Storage Devices. 2020 , 120, 2811-2878	156
452	Designing Intrinsically Microporous Polymer (PIM-1) Microfibers with Tunable Morphology and Porosity via Controlling Solvent/Nonsolvent/Polymer Interactions. 2020 , 2, 2434-2443	10
451	Nanoengineered electrospun fibers and their biomedical applications: a review. 2021 , 7, 1-34	17
450	In situ preparation of 2D MoS nanosheets vertically supported on TiO/PVDF flexible fibers and their photocatalytic performance. 2020 , 31, 375606	7
449	Fabrication and characterization of forcespun polycaprolactone microfiber scaffolds. 2020 , 7, 125402	3
448	Electrospinning of Polymeric Nanofibers for Tissue Engineering Applications: A Review. 2006 , 060509065116001	1
447	Investigation of mechanical properties of electrospun poly (vinyl chloride) polymer nanoengineered composite. 2020 , 15, 155892502098256	5
446	Electrospun Polymeric Nanofiber Scaffolds for Tissue Regeneration. 2008 , 199-219	1
445	Magnetic Polymer Nanocomposites. 2010 , 135-158	1
444	Electrospinning of Nanofibers. 2012 , 293-320	3
443	Polyphosphazenes as Biomaterials. 2013 , 83-134	2
442	Controlling the Diameters of Silica Nanofibers Obtained by Sol-Gel/Electrospinning Methods. 2012 , 45, 436-440	6
441	Performances of Breathable & Waterproof Jacquard Fabric with PU-Nanofiber Web and PU-Film. 2014 , 51, 319-326	1
440	Preparation and Characterization of PVDF/PU Bicomponent Nanofiber by Electrospinning. 2015 , 52, 88-96	3
439	Temperature effects on electrospun chitosan nanofibers. 2020 , 9, 488-495	5
438	Solid Aerosol Filtration by Electrospun Poly Vinyl Pyrrolidone Fiber Mats and Dependence on Pore Size. 2017 , 1,	1
437	Amphotericin-B and vancomycin-loaded chitosan nanofiber for antifungal and antibacterial application. 55,	2
436	The Design and Evaluation of a Fast-Dissolving Drug Delivery System for Loratadine Using the Electrospinning Method. 2016 , 11,	11

435	Performance Evaluation of an Electrospun Nanofiber Mat as Samplers for the Trap of Trace Heavy Metals in Atmospheric Particles and Its Application. 2020 , 36, 1453-1459	4
434	Enzyme Immobilization on Nanomaterials for Biosensor and Biocatalyst in Food and Biomedical Industry. 2019 , 25, 2661-2676	12
433	Artificial Polymers made of Amino Acids - Poly(Amino Acid)s, Pseudo-Poly(Amino Acid)s, Poly(Depsipeptide)s, and Pseudo-Proteins. 2020 , 26, 566-593	5
432	Formulation, Characterization and Cytotoxicity of 5-Fluorouracil Loaded Polymeric Electrospun Nanofibers for the Treatment of Skin Cancer. 2019 , 13, 114-128	15
431	Preparation of ceramic nanofibers of iron vanadate using electrospinning method. 2019 , 37, 645-651	2
430	Effect of Solvent Volatility on Diameter Selection of Bicomponent Nanofibers Produced by Gas Jet Fiber Process Test. 2017 , 32, 582-589	2
429	EFFECT OF DEPOSITION TIME ON THE OPTOELECTRICAL PROPERTIES OF ELECTROSPUN PAN/AGNO ₃ NANOFIBERS.	1
428	Preparation and characterization of bioactive and breathable polyvinyl alcohol nanowebs using a combinational approach. 2016 , 15, 655-662	8
427	Enabling Approaches for Tissue Regeneration: Current Challenges and New Developments. 2020 , 8, 85	19
426	Advanced Design and Synthesis of Composite Photocatalysts for the Remediation of Wastewater: A Review. 2019 , 9, 122	125
425	Polybenzimidazole-Based Polymer Electrolyte Membranes for High-Temperature Fuel Cells: Current Status and Prospects. 2021 , 14, 135	15
424	Electrospun Nanofibers of Natural and Synthetic Polymers as Artificial Extracellular Matrix for Tissue Engineering. 2020 , 11,	35
423	Fabrication of One-dimensional LaPO ₄ : Eu ³⁺ Micro-nanofibers by Electrospinning. 2011 , 26, 271-274	7
422	Functionalized Cellulose: PET Polymer Fibers with Zeolites for Detoxification Against Nerve Agents. 2012 , 27, 332-336	9
421	Electrospun Non-Directional Zinc Oxide Nanofibers as Nitrogen Monoxide Gas Sensor. 2012 , 22, 609-614	7
420	Electrospinning water-soluble/insoluble polymer blends. 2018 , 5, 190-200	13
419	Conductive polyacrylonitrile/graphite textile coatings. 2018 , 5, 551-558	3
418	Electrospun biodegradable polymers loaded with bactericide agents. 2016 , 3, 52-87	22

417	Carbon Nanomaterials. 2019 , 1-33	2
416	Electrospun Metal Oxide Composite Nanofibers Gas Sensors: A Review. 2017 , 54, 366-379	65
415	Electrospun PLLA Membranes for Caffeine Delivery: Diffusional Approach. 2017 , 10, 563-574	3
414	Electrospinning and Electrospun Nanofibers. 2016 , 06, 45-50	5
413	Characteristics of Photoresist-derived Carbon Nanofibers for Li-ion Full Cell Electrode. 2014 , 15, 265-269	3
412	Electrochemical Behaviors of PAN/Ag-based Carbon Nanofibers by Electrospinning. 2008 , 29, 777-781	22
411	Spectroscopic and Morphological Investigation of Co ₃ O ₄ Microfibers Produced by Electrospinning Process. 2012 , 33, 1242-1246	17
410	Fabrication and Thermal Oxidation of ZnO Nanofibers Prepared via Electrospinning Technique. 2012 , 33, 2694-2698	16
409	Functionalized Raspberry-Like Microparticles obtained by Assembly of Nanoparticles during Electrospinning. 2014 , 35, 1784-1788	4
408	Electrospun MgO/Nylon 6 Hybrid Nanofibers for Protective Clothing. 2014 , 6, 46	4
407	Gas Sensing Characteristics of Sb-doped SnO ₂ Nanofibers. 2011 , 20, 1-7	1
406	Design of Highly Reliable Thick Film Gas Sensor Using SnO ₂ Nanofibers. 2016 , 25, 271-274	2
405	Synthesis and Characterization of CuCo ₂ O ₄ Nanofiber Electrocatalyst for Oxygen Evolution Reaction. 2016 , 49, 539-548	1
404	Photocatalytic Activity of Electrospun PAN/TiO ₂ Nanofibers in Dye Photodecomposition. 2013 , 25, 94-101	7
403	Electrospinning Technique as a Powerful Tool for the Design of Superhydrophobic Surfaces.	2
402	Controlling Pore Size of Electrospun Silk Fibroin Scaffold for Tissue Engineering. 2012 , 36, 651-655	6
401	Fabrication of Electrospun Antibacterial Curcumin-loaded Zein Nanofibers. 2014 , 38, 744-751	4
400	Preparation and Property of Flexible/Stretchable Electrodes. 2012 , 47, 272-281	3

399	Improved Power Conversion Efficiency of Organic Photovoltaic Cell Fabricated by Electro spray Deposition Method by Mixing Different Solvents. 2012 , 51, 02BK12	9
398	Inverse Problem for Drop Deformation in Nonlinear Electrohydrodynamics. 2021 , 81, 2180-2194	0
397	Synthesis of SiO ₂ /PAA aligned nanofibers with preminent electromagnetic wave absorption in ultra-broad band.	2
396	Fabrication of Chitosan-Based Biomaterials: Techniques and Designs. 2021 , 455-518	0
395	Synthesis of ultrafine polymer nanofibers.	1
394	Overview on immobilization of enzymes on synthetic polymeric nanofibers fabricated by electrospinning. 2022 , 119, 9-33	6
393	Enhancing osteoblast differentiation through small molecule-incorporated engineered nanofibrous scaffold. 2021 , 1	0
392	Water desalination and ion removal using mixed matrix electrospun nanofibrous membranes: A critical review. 2022 , 521, 115350	13
391	Forcespun polyvinylpyrrolidone/copper and polyethylene oxide/copper composite fibers and their use as antibacterial agents. 51773	2
390	Organic/Inorganic Hybrid Fibers: Controllable Architectures for Electrochemical Energy Applications. 2021 , 8, e2102859	11
389	Enhanced output performance of tetraethyl orthosilicate and graphene nanoplates-decorated nanofiber-based triboelectric nanogenerators. 2021 , 631, 127670	2
388	Lipase immobilization on a novel class of Zr-MOF/electrospun nanofibrous polymers: Biochemical characterization and efficient biodiesel production. 2021 , 192, 1292-1303	3
387	Tailoring the transport and magnetic properties of Mn doped spinel FeCo ₂ O ₄ and their impact on energy storage properties: A new strategy to improve storage performance. 2021 , 44, 103361	1
386	Polymers in Special Uses. 2006 , 5-1-1-164	
385	Characterization of Polyacrylonitrile Nanofibers by Electrospinning. 2007 , 17, 278-282	1
384	Nanostructured Porous Biomaterials for Controlled Drug Release Systems. 2008 , 193-215	
383	Electrospun Polymeric Nanofiber Scaffolds for Tissue Regeneration. 2008 , 217-238	
382	?????????????????. 2008 , 61, 481-486	

381 The Production of Nanoparticles. **2008**, 15-26

380 Preparation and Characterization of NiZn-Ferrite Nanofibers Fabricated by Electrospinning Process. **2009**, 46, 74-80 1

379 Nanofibrous Membrane with Functionalized Surface. **2009**, 306-328

378 Nanofiber Membranes for Contribution to Sustainable Society. **2010**, 35, 134-140

377 Fabrication of MNFs. **2010**, 73-97

376 Conjugated Polymer Nanofibers: Novel Light Sources for Microfluidic Systems. **2010**,

375 Nanotubular Structures of Oxides and Their Applications. **2010**, 19, 105-113

374 Fundamentals and Functionality of Inorganic Wires, Rods and Tubes.

373 10.2478/s11814-009-0309-1. **2011**, 27, 340

372 Electrospinning of Ceramic Nanofibers and Nanofiber Composites. 9-20

371 ELECTROSPINNING PREPARATION AND CHARACTERIZATION OF SIZE CONTROLLABLE POLYANILINE COMPOSITE MICOSPHERES. **2011**, 011, 752-757

370 Morphology Controlled Electrospinning of V2O5 Nanofibers and Their Gas Sensing Behavior. 1-9

369 Effect of Ethanol/water Solvent Ratios on the Morphology of Zein Nanofiber Mats and their Wettability. **2011**, 23, 227-232 1

368 Magnetic properties of Bi₂Fe₄O₉ synthesized by electrospinning. **2012**, 61, 238102 1

367 Fabrication of Tissue Engineering Scaffolds by Electrospinning Techniques. **2012**, 219-232

366 Synthesis, Processing, and Application of Nanostructures. **2012**, 1-50

365 Biomimetic Analysis on the Spider Silk Apparatus for Designing the Nanofiber-spinning Nozzle. **2012**, 42, 67-76 2

364 Synthesis of SnO₂Nanotubes Via Electrospinning Process and Their Application to Lithium Ion Battery Anodes. **2012**, 19, 271-277 2

- 363 Progress in Nanofiber's Fabrication by Electrospinning and Applications in Engineering and Technology. **2013**, 3, 19-33
- 362 Influences of Morphology and Doping on the Photoactivity of TiO₂ Nanostructures. **2013**, 105-141
- 361 PREPARATION OF POROUS POLYACRYLONITRILE ULTRATHIN FIBERS BY ELECTROSPINNING WITH NONSOLVENT INDUCED PHASE SEPARATION. **2013**, 013, 248-254
- 360 The Effect of the Core-shell Structured Meta-aramid/Epoxy Nanofiber Mats on Interfacial Bonding Strength with an Epoxy Adhesive in Cryogenic Environments. **2013**, 26, 129-134 1
- 359 Meniscal Scaffolds: Options Post Meniscectomy. **2014**, 45-58
- 358 Aktuelle Trends in den Polymerwissenschaften. **2014**, 569-593
- 357 Miscellaneous Applications. **2014**, 61-81
- 356 Spinning. **2014**, 26, 317-324
- 355 Scaffold Fabrication Protocols. **2015**, 13-24 1
- 354 - Theoretical Modeling for Electron Transfer in Organic Materials. **2014**, 20-51
- 353 Electrospun dye-doped fiber networks: Lasing emission from randomly distributed cavities. **2015**,
- 352 Functional Nanofibers for Energy Storage. **2015**, 513-547
- 351 Bioactive Glass-Biopolymer Composites for Applications in Tissue Engineering. **2015**, 1-26
- 350 Functional Nanofibers for Energy Storage. **2015**, 1-28
- 349 Bioactive Glass-Biopolymer Composites. **2015**, 1-26
- 348 Fabrication of Electrospun Cobalt Nanofiber. **2015**, 24, 35-40 2
- 347 Electrospun Scaffolds of Biodegradable Polyesters: Manufacturing and Biomedical Application. 155-190
- 346 Nanoelectrochemistry Applications Based on Electrospinning. 357-379 0

- 345 Setup of Viscous Cosserat Rod Model Describing Electrospinning. **2016**, 985-992
- 344 Chapter 5:Nanofluidic Strategies for Cancer Research. **2016**, 114-149
- 343 Electrospun Poly(Ether Sulfone) Membranes Impregnated with Nafion for High-Temperature Polymer Electrolyte Membrane Fuel Cells. **2016**, 19, 9-13
- 342 Bibliography. **2016**, 185-192
- 341 Introduction. **2017**, 1-7
- 340 6.11 Biomaterials for Replacement and Repair of the Meniscus and Annulus Fibrosus. **2017**, 174-193
- 339 Nanofiber composites in neural tissue engineering. **2017**, 395-410 1
- 338 Needleless Electrospun 'PVA/Chitosan' Nano Fiber 'Membrane' and 'its Antibacterial Property. **2017**, 1,
- 337 Electrospinning of Marine-Origin Biopolymers toward Tissue Regeneration. **2017**, 435-451
- 336 Preparation, Structure, Properties, and Interactions of the PVA/Cellulose Composites. 275-297
- 335 Use of Nanotechnology for Immobilization and Entrapment of Food Applicable Enzymes. **2018**, 1-25
- 334 Nano-materials in Anisotropic Conductive Adhesives (ACAs). **2018**, 369-408
- 333 Multi-Nozzle Electrospinning Process to Fabricate Uniform Polymer Nanofiber Mats. **2018**, 17, 120-126
- 332 Use of Nanotechnology for Immobilization and Entrapment of Food Applicable Enzymes. **2019**, 2037-2061 0
- 331 Low-Temperature Air Plasma Modification of Electrospun Soft Materials and Bio-interfaces. **2019**, 819-826
- 330 Chapter 6:CO₂-responsive Membranes. **2019**, 159-184
- 329 Nanofiber Based Sensors for Water Pollution Monitoring. **2020**, 299-319 0
- 328 Tandem electrospinning for heterogeneous nanofiber patterns. 0

- 327 Fabrication of Microscale Polymeric Wavy and Coiling Structures via Side-Electrode-Assisted Near-Field Electrospinning: Modeling and Experiments. **2020**, 142,
- 326 GNP katkılı Hibrit PVB-TEOS Nanofiberlerin Üretimi ve Karakterizasyonu. 101-106
- 325 Effect of Dynamic Viscosity on Nanofiber Diameters and Electrical Conductivity of Polyacrylonitrile Nanofibers Doped Nano-Cu Particles. 1-8
- 324 Progress in interlaminar toughening of aerospace polymer composites using particles and non-woven veils. 1-27 1
- 323 Advances in the preparations and applications of nanochitins. **2021**, 1, 100036 2
- 322 Electrospun Fibers for Corneal Regeneration. 1 1
- 321 Triboelectrification-based particulate matter capture utilizing electrospun ethyl cellulose and PTFE spheres. **2021**, 12, 100138 2
- 320 Textile-Reinforced Scaffolds for Vascular Tissue Engineering. **2020**, 1-25 0
- 319 Textile-Reinforced Scaffolds for Vascular Tissue Engineering. **2020**, 339-363
- 318 Structure design boosts concomitant enhancement of permittivity, breakdown strength, discharged energy density and efficiency in all-organic dielectrics. **2020**, 3, 147-155 5
- 317 Enhanced mandrel design for electrospinning aligned fiber mats from low volatility solvents. **2021**, 61, 793-801 2
- 316 Preparation and characterization of salicylic acid grafted chitosan electrospun fibers. **2022**, 275, 118751 0
- 315 Pore-size control of chitin nanofibrous composite membrane using metal-organic frameworks. **2022**, 275, 118754 1
- 314 Dual-layered composite nanofiber membrane with Cu-BTC-modified electrospun nanofibers and biopolymeric nanofibers for the removal of uremic toxins and its application in hemodialysis. **2022**, 642, 119964 2
- 313 Preparation and Characterization of Hydroxyapatite/Poly(Ethylene Oxide) Nanocomposite Nanofibers. **2019**, 7, 25-33
- 312 Effect of Particle Size of Cellulose Nanofibril on the Structure and Property of Polyacrylonitrile (PAN) Membrane by Electrospinning. **2020**, 21, 119-126 1
- 311 Functional nanofibers: fabrication, functionalization, and potential applications. **2020**, 581-609 0
- 310 Bioprinting technology for musculoskeletal regeneration. **2020**, 137-157

- 309 Bien ồng quan the cđnh canh vng (Coilia rebenstischii) o sđg Cua Lon, tinh C^ Mau. **2020**, 56(Aquaculture), 124
- 308 Electrospinning Nanofibers. **2020**, 111-132
- 307 Electrospinning Technology. **2020**, 1-16
- 306 Application of Electrospun Materials in Catalysis. **2020**, 113-130
- 305 Advances in Electrospinning Technique in the Manufacturing Process of Nanofibrous Materials. **2020**, 379-399 ○
- 304 Electrospinning Fabrication Strategies. **2020**, 1-52 ○
- 303 Stable Electrospinning of Core-Functionalized Coaxial Fibers Enabled by the Minimum-Energy Interface Given by Partial Core-Sheath Miscibility. **2021**, 37, 13265-13277 1
- 302 Measurement of the Mechanical Properties of One-Dimensional Polymer Nanostructures by AFM. **2008**, 311-328
- 301 Preparation of carbon fibers from Hyper Coal solution and their surface characteristics. **2020**, 2020, 106-112
- 300 Silver-loaded carbon nanofibers for ammonia sensing. **2020**, 20, 606-612
- 299 SnO₂ Nano/Microfibers for Gas Sensors. 405, 324-329
- 298 Fabrication of Co/Al₂O₃ Composite Nanofiber via Electrospinning with Tunable Magnetic Properties. **2020**, 21, 2485-2493 2
- 297 Biopolymers in Regenerative Medicine: Overview, Current Advances, and Future Trends. **2021**, 357-380 ○
- 296 Metal oxide nanofibers for flexible organic electronics and sensors. **2022**, 159-171 ○
- 295 Processing strategies in graphene-derived nanocomposites. **2022**, 45-66
- 294 Special techniques and advanced structures. **2022**, 31-63
- 293 Piezoelectric application of metal oxide nanofibers. **2022**, 215-246
- 292 Gas separation and filtration membrane applications of polymer/graphene nanocomposites. **2022**, 197-222

291	Biodegradable and bioactive polymer/inorganic phase composites. 2022 , 179-212	0
290	Nanostructure-Based Multilayer Food Packaging Films. 2022 , 265-283	
289	Electrospun Ceramic Nanofibers for Photocatalysis.. 2021 , 11,	2
288	Filtration Performance of Ultrathin Electrospun Cellulose Acetate Filters Doped with TiO ₂ and Activated Charcoal. 2021 , 11, 557	2
287	Metal Sulfide Semiconductor Nanomaterials and Polymer Microgels for Biomedical Applications. 2021 , 22,	3
286	Piezoelectric materials and systems for tissue engineering and implantable energy harvesting devices for biomedical applications. 1-51	4
285	Icephobic and Anticorrosion Coatings Deposited by Electrospinning on Aluminum Alloys for Aerospace Applications. 2021 , 13,	0
284	Electrospun PVP/TiO ₂ Nanofibers for Filtration and Possible Protection from Various Viruses like COVID-19. 2021 , 9, 89	4
283	Stimuli responsiveness, propulsion and application of the stimuli-responsive polymer based micromotor. 2021 , 25, 101250	3
282	Preparation of Mesoporous Inorganic Nanowires, Nanorods, Nanofibers and Nanobelts. 2022 , 21-54	
281	Modulation of Electric Dipoles Inside Electrospun BaTiO ₃ @TiO ₂ Core-Shell Nanofibers for Enhanced Piezo-Phototronics.	
280	Rabbits irradiation using Co60: Histopathological evaluation for titanium dioxide on treatment liver disease. 2022 ,	
279	Sustainable production of curable maltodextrin-based electrospun microfibers.. 2021 , 12, 762-771	1
278	Hybrid graphene-NiW nanofiber transparent electrodes for all-nanofiber-based pressure sensor. 2022 , 57, 2627	
277	A review on nanofiber reinforced aerogels for energy storage and conversion applications. 2022 , 46, 103927	2
276	Spinel-MgMn ₂ O ₄ nanofibers: An attractive material for high performance aqueous symmetric supercapacitor. 2022 , 46, 103894	4
275	Electrospinning for flexible sodium-ion batteries. 2022 , 45, 704-719	3
274	Modulation of electric dipoles inside electrospun BaTiO ₃ @TiO ₂ core-shell nanofibers for enhanced piezo-photocatalytic degradation of organic pollutants. 2022 , 93, 106841	9

273	Preparation of polycrystalline tungsten nanofibers by needleless electrospinning. 2022 , 900, 163542	1
272	Design Modifications in Electrospinning Setup for Medical Patches. 2020 ,	
271	Chemical Polymerization Method to Synthesize Polyaniline as a Novel Anode Catalyst in Microbial Fuel Cell. 2021 , 63, 773-780	
270	Production of highly aligned microfiber bundles from polymethyl methacrylate via stable jet electrospinning for organic solid-state lasers. 2022 , 60, 715-725	1
269	Microfluidics-Enabled Soft Manufacture of Materials with Tailorable Wettability.. 2021 ,	8
268	Nanofibers Fabrication by Blown-Centrifugal Spinning. 2100368	4
267	Piezoelectric biodegradable poly(3-hydroxybutyrate-co-3-hydroxyvalerate) based electrospun fiber mats with tailored porosity.	0
266	Electrospun PEO/rGO Scaffolds: The Influence of the Concentration of rGO on Overall Properties and Cytotoxicity.. 2022 , 23,	0
265	Recent advances in electrospinning supramolecular systems. 2021 ,	5
264	Biosensors in tissue engineering. 2022 , 431-448	
263	Nanofibers: promising wound-healing material with modifiable flexibility. 2022 , 95-134	1
262	A Meta-Analysis of Wearable Contact Lenses for Medical Applications: Role of Electrospun Fiber for Drug Delivery.. 2022 , 14,	0
261	Extensibility-Enriched Spinnability and Enhanced Sorption and Strength of Centrifugally Spun Polystyrene Fiber Mats. 2022 , 55, 942-955	3
260	Tunable optical gain and broadband lasing driven in electrospun polymer fibers by high dye concentration. 2022 , 10, 2042-2048	
259	Polymer-based bionanomaterials for targeted drug delivery. 2022 , 241-271	1
258	Dual antibacterial polypeptide-coated PCL@ZIF-8 nanofiber reduces infection and inflammation in burn wounds. 2022 , 57, 3678-3687	0
257	Biomedical applications of electrospun chitosan nanofibers. 2022 , 75-110	
256	Tunable Spun Fiber Constructs in Biomedicine: Influence of Processing Parameters in the Fibers' Architecture.. 2022 , 14,	4

255	Adsorption of Carbon Dioxide with Ni-MOF-74 and MWCNT Incorporated Poly Acrylonitrile Nanofibers.. 2022 , 12,	1
254	Gelatin Nanofibers Loaded with Zinc-Doped Hydroxyapatite for Osteogenic Differentiation of Mesenchymal Stem Cells.	1
253	High efficiency biomimetic electrospun fibers for use in regenerative medicine and drug delivery: A review. 2022 , 279, 125785	1
252	Boosting the electrochemical nitrogen reduction by rhenium-doping modulated TiO ₂ nanofibers. 2022 , 434, 134648	3
251	A review on ion-exchange nanofiber membranes: properties, structure and application in electrochemical (waste)water treatment. 2022 , 287, 120529	2
250	SnO ₂ clusters embedded in TiO ₂ nanosheets: Heterostructures and gas sensing performance. 2022 , 357, 131433	3
249	The High Flux of Superhydrophilic-Superhydrophobic Janus Membrane of cPVA-PVDF/PMMA/GO by Layer-by-Layer Electrospinning for High Efficiency Oil-Water Separation.. 2022 , 14,	2
248	The influence of polyelectrolyte on the synthesis of B4C/BN nanocomposite powders via sol-gel method. 2022 ,	
247	Recent Advances and Biomedical Applications of Peptide-Integrated Conducting Polymers.. 2022 ,	2
246	Electrospun-Semiconductor-Based Nano-Heterostructures for Photocatalytic Energy Conversion and Environmental Remediation: Opportunities and Challenges.	6
245	Ultra-small-sized multi-element metal oxide nanofibers: an efficient electrocatalyst for hydrogen evolution. 2022 , 4, 1758-1769	0
244	A Comparative Study of an Anti-Thrombotic Small-Diameter Vascular Graft with Commercially Available e-PTFE Graft in a Porcine Carotid Model.. 2022 , 1	1
243	A Review on Curcumin-Loaded Electrospun Nanofibers and their Application in Modern Medicine.. 2022 , 1-16	0
242	Emerging polymeric biomaterials and manufacturing techniques in regenerative medicine.	1
241	Production of Fungal Nanochitosan Using High-Pressure Water Jet System for Biomedical Applications.. 2022 , 15,	0
240	Investigation of antibacterial activity of one-dimensional electrospun Walnut green husk extract-PVP nanofibers. 1	1
239	Fiber Engineering Trifecta of Spinnability, Morphology, and Properties: Centrifugally Spun versus Electrospun Fibers. 2022 , 4, 2022-2035	3
238	Recent Progress in Microfiltration/Ultrafiltration Membranes for Separation of Oil and Water Emulsions.. 2022 , e202100320	3

237	Airflow Synergistic Needleless Electrospinning of Instant Noodle-like Curly Nanofibrous Membranes for High-Efficiency Air Filtration.. 2022 , e2107250		6
236	A Janus Mesh with Robust Interface and Controllable Wettability for Water Transport. 2022 , 2022, 1-10		
235	Performance enhancement of Savonius wind turbine using a nanofiber-based deflector. 2022 , 44, 1		0
234	Electrospinning Parameters and Resulting Nanofiber Characteristics. 2022 , 1-40		
233	Advances in Functionalizing the Interior and Exterior of Polymer Nanofibers. 2022 , 290-344		
232	Improvement of performance and function in respiratory protection equipment using nanomaterials.. 2022 , 24, 76		0
231	Recent Progress in Protective Membranes Fabricated Via Electrospinning: Advanced Materials, Biomimetic Structures, and Functional Applications.. <i>Advanced Materials</i> , 2021 , e2107938	24	23
230	All-Organic Electroactive Shape-Changing Knitted Textiles Using Thermoprogrammed Shape-Memory Fibers Spun by 3D Printing. 2022 , 4, 2355-2364		0
229	Cranberry proanthocyanidins composite electrospun nanofibers as a potential alternative for bacterial entrapment applications.. 2022 ,		
228	Polyacrylonitrile Nanofibers Coated with Covalent Organic Frameworks for Oil/Water Separation. 2022 , 5, 3925-3936		1
227	Patterning with Aligned Electrospun Nanofibers by Electrostatic Deflection of Fast Jets. 2101804		1
226	Electrospun Azo-Cellulose Fabric: A Smart Polysaccharidic Photo-Actuator.. 2022 , e2200063		0
225	Titanium carbide/carbon nanofibers film as flexible gas diffusion layers for passive direct methanol fuel cells.		1
224	Fabrication of antimicrobial electrospun mats using polyvinyl alcohol/zinc oxide blends. 1		0
223	Submicronic Filtering Media Based on Electrospun Recycled PET Nanofibers: Development, Characterization, and Method to Manufacture Surgical Masks.. 2022 , 12,		1
222	Synthesis of Electrospun PAN/TiO/Ag Nanofibers Membrane As Potential Air Filtration Media with Photocatalytic Activity.. 2022 , 7, 10516-10525		6
221	Study on Dual Pore Network Polylactic Acid Scaffolds for Growth of MCF7 Human Breast Cancer Cells. 2200122		
220	Flexible Mo ₂ C-Modified SiC/C Nanofibers for BroadBand Electromagnetic Wave Absorption. 2200333		0

219	Electrospun PLGA Membranes with Incorporated Moxifloxacin-Loaded Silica-Based Mesoporous Nanocarriers for Periodontal Regeneration.. 2022 , 12,	1
218	Using computational methods to design patient-specific electrospun cardiac patches for pediatric heart failure.. 2022 , 283, 121421	0
217	Advances in particulate matter filtration: materials, performance, and application. 2022 ,	3
216	Effects of D-lactide content and molecular weight on the morphological, thermal, and mechanical properties of electrospun nanofiber polylactide mats. 152808372210902	
215	Functional Mesostructured Electrospun Polymer Nonwovens with Supramolecular Nanofibers.. 2022 , e2200052	0
214	An intrinsically stretchable aqueous Zn-MnO ₂ battery based on microcracked electrodes for self-powering wearable electronics. 2022 , 47, 386-393	3
213	Fabrication of chitosan/PVP/dihydroquercetin nanocomposite film for in vitro and in vivo evaluation of wound healing.. 2022 ,	2
212	Perspectives of conducting polymer nanostructures for high-performance electrochemical capacitors. 2022 , 51, 104418	1
211	Solvent selection and its effect on crystallization behavior of poly(ϵ -caprolactone) in electrospun poly(ϵ -caprolactone)/poly (lactic-co-glycolic acid) blend fibers. 2022 , 644, 128896	0
210	Hydrophilic Cross-Linked Polymeric Nanofibers Using Electrospinning: Imparting Aqueous Stability to Enable Biomedical Applications. 2022 , 4, 1-17	0
209	Hierarchically porous membranes for lithium rechargeable batteries: Recent progress and opportunities. 2022 , 4,	2
208	Effect of Solution Miscibility on the Morphology of Coaxial Electrospun Cellulose Acetate Nanofibers.. 2021 , 13,	2
207	Design and Automation of a vertical electrospinning system for manufacturing nanofibers. 8-15	
206	Gold-Polymer Nanocomposites for Future Therapeutic and Tissue Engineering Applications.. 2021 , 14,	7
205	The Role of Soft Robotic Micromachines in the Future of Medical Devices and Personalized Medicine.. 2021 , 13,	4
204	para-Aramid Nanofiber Membranes for High-Performance and Multifunctional Materials. 2022 , 5, 747-758	0
203	Research Trends in Flotation of Waste-plastics and Its Use as Functional Materials. 2020 , 29, 15-26	
202	Nanofiber Aerogels. 2022 , 345-371	

201	Upconversion nanoparticles: Recent strategies and mechanism based applications. 2022,	1
200	Fiber-microsphere Binary Structured Composite Fibrous Membranes for Waterproof and Breathable Applications.	1
199	Data_Sheet_1.PDF. 2019,	
198	Ferrofluids for Waste-Water Treatment. 2022, 723-744	0
197	Tissue Engineering and Graft Options. 2022, 259-269	
196	Electrospun Nanofibers for Manipulating the Soft Tissue Regeneration.	0
195	Electrospun Nanofibers of Poly (Lactic Acid)/Poly ([[Equation]] -Caprolactone) Blend for the Controlled Release of Levetiracetam.	
194	Fabrication of Carbon Nanofibers Using MEMS Technique for Future Electrochemical Biosensors. 2022, 363-371	
193	Fabrication of PVA/GO Nanofiber Films by Electrospinning: Application for the Adsorption of Cu ²⁺ and Organic Dyes.	1
192	Electrospinning of Fluorinated Polymers: Current State of the Art on Processes and Applications. 1-73	1
191	Micro/nanofiber fabrication technologies for wearable sensors: a review. 2022, 32, 064002	
190	Behaviors of Removing Diesel Oil from Water with PS/Ti4O7 Composite Nanofibers: Modeling Diesel Oil Sorption Capacity for Tap Water and Investigation of the Effects of pH on Sorption at Different Temperatures for Times. 1	
189	Biomaterials Technology for AgroFood Resilience. 2201930	2
188	Optical microfibers integrated with evanescent field triggered self-growing polymer nanofilms. 2022, 30, 18044	1
187	The role of Ag NPs in PVA electrospun NFs for ultra-high sensitivity photodetector. 2022, 169263	
186	Recent Advances of Nanotechnology in Mitigating Emerging Pollutants in Water and Wastewater: Status, Challenges, and Opportunities. 2022, 233,	0
185	SiO ₂ /Ga ₂ O ₃ nanocomposite for highly efficient selective removal of cationic organic pollutant via synergistic electrostatic adsorption and photocatalysis. 2022, 121221	0
184	Bioinspired Superspreading Surface: From Essential Mechanism to Application.. 2022,	4

183	Recent Advancements on Three-Dimensional Electrospun Nanofiber Scaffolds for Tissue Engineering.	2
182	Spheres Multiple Physical Network-Based Triboelectric Materials for Self-Powered Contactless Sensing.. 2022 , e2200577	4
181	Carbon Nanofibers for Supercapacitors. 2022 , 201-220	
180	Nanochitin: An update review on advances in preparation methods and food applications. 2022 , 291, 119627	0
179	Electrospun functional polymeric nanofibers for active food packaging: A review. 2022 , 391, 133239	4
178	In-Situ Measurement of Proton Conductivity of a Single Ionomer Nanofiber.	
177	Current Advances and Future Perspectives of Advanced Polymer Processing for Bone and Tissue Engineering: Morphological Control and Applications. 2022 , 10,	0
176	Electrospinning for the Modification of 3D Objects for the Potential Use in Tissue Engineering. 2022 , 10, 66	0
175	ELECTROSPUN SODIUM ALGINATE/POLY(ETHYLENE OXIDE) NANOFIBERS FOR WOUND HEALING APPLICATIONS: CHALLENGES AND FUTURE DIRECTIONS. 2022 , 56, 251-270	1
174	Water Hyacinth: A sustainable cellulose source for cellulose nanofiber production and application as recycled paper reinforcement. 2022 , 29,	0
173	Graphene-based polymer composite films. 2022 , 309-331	
172	Natural, biodegradable, biocompatible and bioresorbable medical textile materials. 2022 , 87-116	
171	Nanomaterial-based smart and sustainable protective textiles. 2022 , 75-111	0
170	Optimizing the structural properties of electrospun polyimide membranes by response surface method. 095400832211078	0
169	Electrospinning of Polyaniline (PANi) Nanofibers: Effect of Electrospinning Parameters on the Conductivity of Electrospun Nanofibrous Mats. 922, 55-65	
168	Necklace-like Nanostructures: from Fabrication, Properties to Applications. <i>Advanced Materials</i> , 22007764	1
167	An overview on electrospinning and its advancement toward hard and soft tissue engineering applications.	2
166	Different Kraft lignin sources for electrospun nanostructures production: Influence of chemical structure and composition. 2022 ,	1

- 165 Electrospun Scaffolds Functionalized with a Hydrogen Sulfide Donor Stimulate Angiogenesis.
- 164 Electrospinning-Based Carbon Nanofibers for Energy and Sensor Applications. **2022**, 12, 6048 1
- 163 Hybrid polymer-based photocatalytic materials for the removal of selected endocrine disrupting chemicals (EDCs) from aqueous media: A review. **2022**, 119632 1
- 162 NADES-derived beta cyclodextrin-based polymers as sustainable precursors to produce sub-micrometric cross-linked mats and fibrous carbons. **2022**, 110040
- 161 Design of Photocatalytic Functional Coatings Based on the Immobilization of Metal Oxide Particles by the Combination of Electrospinning and Layer-by-Layer Deposition Techniques. **2022**, 12, 862 2
- 160 Laser-Assisted Melt Electrospinning of Poly(L-lactide-co-ε-caprolactone): Analyses on Processing Behavior and Characteristics of Prepared Fibers. **2022**, 14, 2511 0
- 159 Application advance of electrosprayed micro/nanoparticles based on natural or synthetic polymers for drug delivery system. **2022**, 220, 110850 0
- 158 Structural and optical characterization of electrospun TiO₂ nanofibers using titanium tetrabutoxide and titanium isopropoxide as precursors for photocatalytic applications. **2022**, 649, 129505
- 157 Metal oxide-based fiber technology in the pharmaceutical and medical chemistry. **2022**, 259-300
- 156 Integration of Electrospinning and 3D Printing Technology. **2022**, 657-691
- 155 Development of Micro/Nano Channels Using Electrospinning for Neural Differentiation of Cells. **2022**, 737-760
- 154 Solvent-Free Electrospinning Application in Wound Dressing. **2022**, 67-92
- 153 Macromolecular-scale electrospinning controlling inner topologic structure through a blowing air. **2022**, 26, 2663-2666
- 152 Recent progress in electrospun nanomaterials for wearables. **2022**, 6, 021505 0
- 151 Membranes for extracorporeal membrane oxygenator (ECMO): history, preparation, modification and mass transfer. **2022**, 0
- 150 Preparation of polyethyleneimine-modified porous polyacrylonitrile electrospun nanofibers for efficient removal of methyl orange. 1-9 2
- 149 Process optimization and modelling the BET surface area of electrospun cellulose acetate nanofibres using response surface methodology. **2022**, 45, 0
- 148 A Bibliometric Analysis of Electrospun Nanofibers for Dentistry. **2022**, 13, 90 0

147	Recreating the heart's helical structure-function relationship with focused rotary jet spinning. 2022 , 377, 180-185	5
146	Preparation and characterization of bioactive polyvinylpyrrolidone film via electrospinning technique.	1
145	A Review of Properties of Nanocellulose, Its Synthesis, and Potential in Biomedical Applications. 2022 , 12, 7090	2
144	Volatile Organic Compound-Sensing Array and Optoelectronic Filter System Using Ion-Pairing Dyes with a Wide Visible Spectrum. <i>Advanced Materials</i> , 2203671	24 0
143	Mimicking the Natural Basement Membrane for Advanced Tissue Engineering.	3
142	Perpendicularly stacked array of PTFE nanofibers as a reinforcement for highly durable composite membrane in proton exchange membrane fuel cells. 2022 , 101, 107581	1
141	Fabrication and characterization of polyacrylonitrile and polyethylene glycol composite nanofibers by electrospinning. 2022 , 53, 105171	2
140	Advances in conducting polymer nanocomposite based chemical sensors: An overview. 2022 , 284, 115856	0
139	Functional electrospun polymeric materials for bioelectronic devices: a review.	2
138	Direct and remote induced actuation in artificial muscles based on electrospun fiber networks. 2022 , 12,	
137	Direct measurement of proton conductivity of a single ionomer nanofiber. 2022 , 107738	
136	Anti-fouling Electrospun Organic and Inorganic Nanofiber Membranes for Wastewater Treatment.	
135	Bio-inspired manufacturing of superwetting surfaces for fog collection and anti-icing applications.	
134	Cross-linked electrospun polyvinyl alcohol/sodium caseinate nanofibers for antibacterial applications.	0
133	Organic Charge-Transfer Cocrystals toward Large-Area Nanofiber Membrane for Photothermal Conversion and Imaging.	2
132	Algal nanofibers: Current status and recent developments. 2022 , 104248	2
131	Design strategies of perovskite nanofibers electrocatalysts for water splitting: A mini review. 2023 , 451, 138710	3
130	From 1D Nanofibers to 3D Nanofibrous Aerogels: A Marvellous Evolution of Electrospun SiO ₂ Nanofibers for Emerging Applications. 2022 , 14,	1

129	Modification and Functionalization of Fibers Formed by Electrospinning: A Review. 2022 , 12, 861	3
128	Fabrication of electrospun polyamide ₆ weathered basalt nano-composite as a non-conventional membrane for basic and acid dye removal.	0
127	Long-acting formulation strategies for protein and peptide delivery in the treatment of PSED. 2022 , 350, 538-568	1
126	MnCo ₂ O ₄ nanomaterials based electrodes for supercapacitors. 2022 , 145, 109945	0
125	Ratiometric fluorescent sensor based on TPU-PVP coaxial nanofibers for monitoring trace ammonia in breath. 2022 , 26, 101148	0
124	Construction of hetero-phase Mo ₂ C-CoO@N-CNFs film as a self-supported Bi-functional catalyst towards overall water splitting. 2023 , 451, 139025	1
123	Highly Efficient, Dual-Functional Self-Assembled Electrospun Nanofiber Filters for Simultaneous Pm Removal and On-Site Eye-Readable Formaldehyde Sensing.	0
122	Fabrication of Textile-Based Scaffolds Using Electrospun Nanofibers for Biomedical Applications. 2022 ,	0
121	Electrospun nanofibers for 3-D cancer models, diagnostics, and therapy.	0
120	Synthesis of bulk superconductors using the sol-gel method. 2022 ,	0
119	Mode-tunable, micro/nanoscale electrohydrodynamic deposition techniques for optoelectronic device fabrication. 2022 , 14, 13452-13472	1
118	Multilayer Electrospun-Aligned Fibroin/Gelatin Implant for Annulus Fibrosus Repair: An In Vitro and In Vivo Evaluation. 2022 , 10, 2107	0
117	Electrospinning of Natural Biopolymers for Innovative Food Applications: A Review.	0
116	Research progress on electrospun high-strength micro/nano ceramic fibers. 2022 ,	0
115	Recent Development of Moisture-Enabled-Electric Nanogenerators. 2204603	0
114	Advances in Atomic Force Microscopy for the Electromechanical Characterization of Piezoelectric and Ferroelectric Nanomaterials. 2022 , 60, 629-643	0
113	Electrospinning Techniques. 2022 , 133-158	0
112	The Recent Advances in Bulk and Microfluidic-Based pH Sensing and Its Applications. 2022 , 12, 1124	0

111	Recent advances in cellulose-based polymer electrolytes.	0
110	Expanding the Scope of Nanobiocatalysis and Nanosensing: Applications of Nanomaterial Constructs. 2022 , 7, 32863-32876	1
109	Composite Indium Tin Oxide Nanofibers with Embedded Hematite Nanoparticles for Photoelectrochemical Water Splitting. 2022 , 14, 41851-41860	0
108	Polymeric Nano-Composite Scaffolds for Bone Tissue Engineering: Review. 2023 , 189-219	0
107	Electrospun Fibrous Sponges: Principle, Fabrication, and Applications.	0
106	Fabrication and Surface Modification of Macroporous Silica Fibers by Electrospinning for Super Adsorbent of Oil. 2022 , 60, 732-743	0
105	Magnetite-doped electrospun fibers for DNA adsorption.	0
104	Optimal delivery of poorly soluble drugs using electrospun nanofiber technology: Challenges, state of the art, and future directions.	5
103	Transport and collection of water droplets interacting with bioinspired fibers. 2022 , 309, 102779	0
102	Fabrication of superconducting YBCO agglomerated particles (ANPs) by electrospinning. 181-188	0
101	Biobased polymer resources and essential oils: a green combination for antibacterial applications.	0
100	3D cell/scaffold model based on aligned-electrospun-nanofiber film/hydrogel multilayers for construction of anisotropic engineered tissue. 2022 , 17, 051002	0
99	An Alternative Methodology for the Evaluation of Photocatalytic Activity of Polymeric Coatings by Monitoring Dye Degradation. 2022 , 12, 1529	1
98	Electrospun Nanofibrils Surface-Decorated with Photo-Cross-Linked Hyaluronic Acid for Cell-Directed Assembly.	0
97	Electrospun nanofibers of poly (lactic acid)/poly (ϵ -caprolactone) blend for the controlled release of levetiracetam.	1
96	Flexible Multifunctional Self-Expanding Electrospun Polyacrylic Acid Covalently Cross-Linked Polyamide 66 Nanocomposite Fiber Membrane with Excellent Oil/Water Separation and High pH Stability Performances. 2022 , 14, 14097	0
95	Processes of Electrospun Polyvinylidene Fluoride-Based Nanofibers, Their Piezoelectric Properties, and Several Fantastic Applications. 2022 , 14, 4311	10
94	Metal-Organic Frameworks and Electrospinning: A Happy Marriage for Wastewater Treatment. 2207723	3

93	Enhanced surface charge density of nanogenerators by small molecules: a review.	0
92	Recent Progress of Wearable Piezoelectric Pressure Sensors Based on Nanofibers, Yarns, and Their Fabrics via Electrospinning. 2201161	4
91	Electrospun Nanofiber Electrodes for Lithium-Ion Batteries. 2200740	1
90	Optimization of Water Absorption and Mechanical and Thermal Behavior of Polylactic Acid/Chitosan/Titanium Carbide. 2022, 2022, 1-8	0
89	Hierarchical Design Strategies to Produce Internally Structured Nanofibers. 1-36	0
88	Recent progress on freestanding carbon electrodes for flexible supercapacitors. 2022, 37, 875-897	2
87	Nanocomposites. 2022, 545-786	0
86	Recent progress on hybrid fibrous electromagnetic shields: Key protectors of living species against electromagnetic radiation. 2022, 5, 3807-3868	0
85	Evaluation of electrospun PCL diol-based elastomer fibers as a beneficial matrix for vascular tissue engineering. 2022, 220, 112963	0
84	Lignin based carbon fiber fabrics with hybrid doping approach as self-standing electrodes for supercapacitors. 2023, 437, 141523	0
83	Advances in shape memory polymers: Remote actuation, multi-stimuli control, 4D printing and prospective applications. 2022, 151, 100702	1
82	Impact of the Morphology of Electrospun Lignin/Ethylcellulose Nanostructures on Their Capacity to Thicken Castor Oil. 2022, 14, 4741	0
81	Application of Edible Packaging in Dairy and Food Industry.	0
80	Flexible Electrospun strawberry-like structure SiO ₂ aerogel nanofibers for thermal insulation. 2022,	0
79	3D conductive material strategies for modulating and monitoring cells. 2022, 101041	0
78	Antibiotics-loaded nanofibers fabricated by electrospinning for the treatment of bone infections: An integrative review of in vitro and in vivo studies. 2022, 104392	0
77	Electrospinning in Food Safety Detection: Diverse Nanofibers Promote Sensing Applications. 1-17	0
76	Recent advances and remaining barriers to the development of electrospun nanofiber and nanofiber composites for point-of-use and point-of-entry water treatment systems. 2022, 100204	1

- 75 Nanochitin preparation and its application in polymer nanocomposites: a review. 0
- 74 Multifunctional Polyacrylonitrile-based Pearl Nanofibrous Membrane Prepared by Electrospinning. **2022**, 23, 3022-3027 0
- 73 Efficacy of Electrospun Nanofiber Membranes on Fouling Mitigation: A Review. 0
- 72 Electrospun porous engineered nanofiber materials: A versatile medium for energy and environmental applications. **2023**, 456, 140989 1
- 71 Nanofiber-coated, tacrolimus-eluting sutures inhibit post-operative neointimal hyperplasia in rats. **2023**, 353, 96-104 0
- 70 3D fibrous aerogels from 1D polymer nanofibers for energy and environmental applications. 6
- 69 Multifunctional porous nanofibrous membranes with superior antifouling properties for oil-water separation and photocatalytic degradation. **2023**, 668, 121245 0
- 68 Multifunctional Scaffolds Based on Emulsion and Coaxial Electrospinning Incorporation of Hydroxyapatite for Bone Tissue Regeneration. **2022**, 23, 15016 1
- 67 Luminous Self-Assembled Fibers of Azopyridines and Quantum Dots Enabled by Synergy of Halogen Bond and Alkyl Chain Interactions. **2022**, 27, 8165 0
- 66 A Review on Electrospinning as Versatile Supports for Diverse Nanofibers and Their Applications in Environmental Sensing. 0
- 65 The Effect of Electrospinning Parameters on Piezoelectric PVDF-TrFE Nanofibers: Experimental and Simulation Study. **2023**, 16, 37 0
- 64 Computational study of dynamics of confined droplets under electric field: effect of contact angle. 0
- 63 Progress of Electrospun Nanofibrous Carriers for Modifications to Drug Release Profiles. **2022**, 13, 289 9
- 62 Recent Developments of Electrospinning-Based Photocatalysts in Degradation of Organic Pollutants: Principles and Strategies. **2022**, 7, 45867-45881 0
- 61 Application Progress and Practical Evaluations of Nanofiber Nonwoven Fabrics for Flexible/wearable Batteries. **2022**, 169, 120518 0
- 60 One-step synthesis of silver nanoparticles exposed on the chitosan-covered polyamide 6 electrospinning nanofibers. 0
- 59 An energetic nano-fiber composite based on polystyrene and 1,3,5-trinitro-1,3,5-triazinane fabricated via electrospinning technique. **2022**, 0
- 58 Matrix mechanophysical factor: pore size governs the cell behavior in cancer. **2023**, 8, 0

57	Synthesis and dielectric properties of polyimide/hollow silica nanofiber composite. 2023 , 34,	0
56	A literature review of MOF derivatives of electromagnetic wave absorbers mainly based on pyrolysis. 2023 , 30, 446-473	1
55	Acoustic characterization of nanofibers for optimization with porous substrate. 2023 , 153, 40-49	0
54	Boron Carbide as an Electrode Material: Tailoring Particle Morphology to Control Capacitive Behaviour. 2023 , 16, 861	0
53	Adaptive Electrospinning System Based on Reinforcement Learning for Uniform-Thickness Nanofiber Air Filters.	0
52	Electrospun Polymer Nanofibers: Processing, Properties, and Applications. 2023 , 15, 65	5
51	Research Progress of Water Treatment Technology Based on Nanofiber Membranes. 2023 , 15, 741	0
50	Electrospinning of Cyclodextrin β -Oligolactide Derivatives. 2023 , 13, 203	0
49	Electrospun membranes for fuel cell technology. 2023 , 555-575	0
48	Nanofibrous scaffolds for tissue engineering processes. 2023 , 213-226	0
47	Direct Fabrication of Functional Shapes on 3D Surfaces Using Electrospinning. 2023 , 15, 533	0
46	Scope of using hollow fibers as a medium for drug delivery. 2023 , 169-213	0
45	Electrospun carbon-based nanomaterials for next-generation potassium batteries.	0
44	Recent progress in polyaniline-based composites as electrode materials for pliable supercapacitors. 2023 , 25, 7611-7628	0
43	Recent Advances in Wearable Tactile Sensors Based on Electrospun Nanofiber Platform. 2200047	0
42	Towards a Material-by-Design Approach to Electrospun Scaffolds for Tissue Engineering Based on Statistical Design of Experiments (DOE). 2023 , 16, 1539	0
41	Engineered kirigami design of PVDF-Pt core-shell nanofiber network for flexible transparent electrode. 2023 , 13,	0
40	ELECTROSPUN NANOFIBERS IN TREATMENT OF MYOCARDIAL INFARCTION: A REVIEW. 32-44	0

- 39 Thermal treatment of electrospun polystyrene fibers: microstructural evolution and mechanical behavior. **2023**, 58, 6009-6024 ○
- 38 Electrospun transparent nanofibers as a next generation face filtration media: A review. **2023**, 149, 213390 1
- 37 BN/Cs₂CO₃/TiO₂ composite nanofibers to improve hydrogen generation. **2023**, 945, 169218 ○
- 36 The effect of molecular weight and fiber diameter on the mechanical properties of single, electrospun PCL nanofibers. **2023**, 35, 105773 1
- 35 Recent advances in one-dimensional electrospun semiconductor nanostructures for UV photodetector applications: A review. **2023**, 948, 169718 ○
- 34 Porous Carbon Nanofiber Flexible Membranes via a Bottlebrush Copolymer Template for Enhanced High-Performance Supercapacitors. **2023**, 15, 5644-5656 ○
- 33 Detection of Limbal Stem Cells Adhered to Melt Electrospun Silk Fibroin and Gelatin-Modified Polylactic Acid Scaffolds. **2023**, 15, 777 ○
- 32 Methods and Challenges in the Fabrication of Biopolymer-Based Scaffolds for Tissue Engineering Application. **2023**, 335-370 ○
- 31 The Development of Self-Powered Nanoelectrocatalytic Reactor for Simultaneous Piezo-Catalytic Degradation of Bacteria and Organic Dyes in Wastewater. **2023**, 305-338 ○
- 30 Nanotechnology in Management of Environmental Contaminants. **2023**, 383-401 ○
- 29 Anti-fouling electrospun organic and inorganic nanofiber membranes for wastewater treatment. **2023**, 44, 302-317 ○
- 28 Fluid Flow Templating of Polymeric Soft Matter with Diverse Morphologies. **2023**, 35, ○
- 27 Designing high performance electrospun SPEEK nanofibers composite membrane for PEMFC application. **2023**, 339, 134117 ○
- 26 Oil adsorption performance of tubular hypercrosslinked polymer and carbon nanofibers. **2023**, 153-182 ○
- 25 Organic Light-Emitting Diodes with Electrospun Electrodes for Double-Side Emissions. **2023**, 14, 543 ○
- 24 Current biofabrication methods for vascular tissue engineering and an introduction to biological textiles. **2023**, 15, 022004 ○
- 23 Investigation and multiscale modeling of PVA/SA coated poly lactic acid scaffold containing curcumin loaded layered double hydroxide nanohybrids. ○
- 22 Unique Fiber Morphologies from Emulsion Electrospinning: A Case Study of Poly(ϵ -caprolactone) and Its Applications. **2023**, 7, 19 ○

- 21 Electrospun nanofibres in drug delivery: advances in controlled release strategies. **2023**, 13, 7312-7328 ○
- 20 Large-scale expansion of human umbilical cord-derived mesenchymal stem cells using PLGA@PLL scaffold. **2023**, 10, 1
- 19 Highly Efficient, Dual-Functional Self-Assembled Electrospun Nanofiber Filters for Simultaneous PM Removal and On-Site Eye-Readable Formaldehyde Sensing. ○
- 18 Recent Development of Polyhydroxyalkanoates (PHA)-Based Materials for Antibacterial Applications: A Review. **2023**, 6, 1398-1430 1
- 17 Myricetin Nanofibers Enhanced Water Solubility and Skin Penetration for Increasing Antioxidant and Photoprotective Activities. **2023**, 15, 906 ○
- 16 Designing biomimetic scaffolds for skin tissue engineering. ○
- 15 Facile One-Step Electrospinning Process to Prepare AgNPs-Loaded PLA and PLA/PEO Mats with Antibacterial Activity. **2023**, 15, 1470 ○
- 14 Ultralight, super-compression, and hydrophobic nanofibrous aerogels from cellulose acetate/polyethylene oxide nanofibers for efficient and recyclable oil absorption. ○
- 13 Copper-Electroplating of Biodegradable PCL Nanofiber Mats. ○
- 12 A Comparative Study in the Design of TiO₂ Assisted Photocatalytic Coatings Monitored by Controlling Hydrophilic Behavior and Rhodamine B Degradation. **2023**, 16, 2589 ○
- 11 Comparative study of thermal annealing effect on undoped and Mn-doped (K,Na)NbO₃ nanofibers. **2023**, 133, 125107 ○
- 10 Advancements in Nanofiber-Based Electrochemical Biosensors for Diagnostic Applications. **2023**, 13, 416 ○
- 9 Microscale and Macroscale Deformation Behavior of Electrospun Polymeric Nanofiber Membranes Using In Situ SEM during Mechanical Testing. **2023**, 15, 1630 ○
- 8 Aligned Nanofibrous Net Deposited Perpendicularly on Microridges Supports Endothelium Formation and Promotes the Structural Maturation of hiPSC-Derived Cardiomyocytes. **2023**, 15, 17518-17531 ○
- 7 Trilayer Tubular Scaffold to Mimic Ductal Carcinoma Breast Cancer for the Study of Chemo-Photothermal Therapy. **2023**, 5, 2394-2407 ○
- 6 The advances development of proton exchange membrane with high proton conductivity and balanced stability in fuel cells. ○
- 5 Preparation and Properties of (Sc₂O₃-MgO)/Pcl/Pvp Electrospun Nanofiber Membranes for the Inhibition of Escherichia coli Infections. **2023**, 24, 7649 ○
- 4 Multistructural nanofiber designs: Processing, properties, and applications of random, aligned, porous, core shell, and hollow nanofibers. **2023**, 31-47 ○

- 3 Surface functionalization techniques and characterization methods of electrospun nanofibers. **2023**, 49-73 ○
- 2 Functionalized nanofiber-based anticorrosive coatings. **2023**, 307-328 ○
- 1 Preparing PAN/MOF nanofiber composite by electrospinning method for carbon dioxide adsorption. **2023**, 110731 ○