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Nanometre diameter fibres of polymer, produced by electros

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2084	Effect of ionic salts on the processing of poly(2-acrylamido-2-methyl-1-propane sulfonic acid) nanofibers. <b>2005</b> , 96, 1388-1393	46
2083	Preparation and properties of electrospun poly(vinylidene fluoride) membranes. <b>2005</b> , 97, 466-474	125
2082	Cellulose nanofibers prepared by the N-methylmorpholine-N-oxide method. <b>2005</b> , 98, 1855-1859	125
2081	Polyaniline Nanofibers Prepared by Dilute Polymerization. <b>2005</b> , 17, 1679-1683	516
2080	Preparation of Boron-Carbide/Carbon Nanofibers from a Poly(norbornenyldecaborane) Single-Source Precursor via Electrostatic Spinning. <b>2005</b> , 17, 859-862	61
2079	SiC Nanowires Synthesized from Electrospun Nanofiber Templates. <b>2005</b> , 17, 1531-1535	112
2078	Self-Crimping Bicomponent Nanofibers Electrospun from Polyacrylonitrile and Elastomeric Polyurethane. <b>2005</b> , 17, 2699-2703	167
2077	Patterning of Conducting Polymers Based on a Random Copolymer Strategy: Toward the Facile Fabrication of Nanosensors Exclusively Based on Polymers. <b>2005</b> , 17, 2736-2741	85
2076	The effect of nanofibers on liquid-liquid coalescence filter performance. <b>2005</b> , 51, 3109-3113	48
2075	Anisotropic Dimensional Swelling of Membranes of Ultrafine Hydrogel Fibers. <b>2005</b> , 206, 1745-1751	16
2074	Mechanical Properties of a Single Electrospun Fiber and Its Structures. <b>2005</b> , 26, 716-720	125
2073	The Mechanical Deformation Process of Electrospun Polymer Nanocomposite Fibers. <b>2005</b> , 26, 728-733	47
2072	Preparation of Core-Sheath Nanofibers from Conducting Polymer Blends. <b>2005</b> , 26, 1127-1132	131
2071	Fabrication of CdS Nanorods in PVP Fiber Matrices by Electrospinning. <b>2005</b> , 26, 1325-1329	77

2070	Nanofibers from recycle waste expanded polystyrene using natural solvent. <b>2005</b> , 55, 209-215	52
2069	Stress-strain behavior of the electrospun thermoplastic polyurethane elastomer fiber mats. <b>2005</b> , 13, 441-445	68
2068	Preparation of electrospun oxidized cellulose mats and their in vitro degradation behavior. <b>2005</b> , 13, 62-67	42
2067	Electrospun nanofibers for potential space-based applications. <b>2005</b> , 116, 353-358	44
2066	Role of chain entanglements on fiber formation during electrospinning of polymer solutions: good solvent, non-specific polymer-polymer interaction limit. <b>2005</b> , 46, 3372-3384	868
2065	Electrospun fibrous polyacrylic acid membrane-based gas sensors. <b>2005</b> , 106, 477-483	119
2064	The morphology of electrospun polystyrene fibers. <b>2005</b> , 22, 147-153	25
2063	Investigation of pore formation for polystyrene electrospun fiber: Effect of relative humidity. <b>2005</b> , 22, 783-788	41
2062	Effects of blend ratio and heat treatment on the properties of the electrospun poly(ethylene terephthalate) nonwovens. <b>2005</b> , 6, 121-126	9
2061	Recent development of polymer nanofibers for biomedical and biotechnological applications. <b>2005</b> , 16, 933-46	501
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2059	Double-layered composite nanofibers and their mechanical performance. <b>2005</b> , 43, 2852-2861	52
2058	Ultrafine electrospun polyamide-6 fibers: Effect of emitting electrode polarity on morphology and average fiber diameter. <b>2005</b> , 43, 3699-3712	70
2057	Nanoprocessing of polymers: applications in medicine, sensors, catalysis, photonics. <b>2005</b> , 16, 276-282	243
2056	Fabrication of DNA Nanofibers on a Planar Surface by Electrospinning. <b>2005</b> , 44, L860-L862	15
2055	Polyoxometalate nanotubes from layer-by-layer coating and thermal removal of electrospun nanofibres. <i>Nanotechnology</i> , <b>2005</b> , 16, 785-790	3-4 50
2054	Optimum parameters for production of nanofibres based on poly(2-acrylamido-2-methyl-1-propane sulfonic acid) by electro-spinning. <b>2005</b> , 14, N16-N20	14
2053	Electrostatically generated nanofibres for wearable electronics. <b>2005</b> , 13-40	4

2052	Branching in electrospinning of nanofibers. <b>2005</b> , 98, 064501		139
2051	Elasticity of planar fiber networks. <b>2005</b> , 98, 093501		91
2050	Electrospun polymer nanofibers coated with metal oxides by liquid phase deposition. <b>2005</b> , 11, 711-724		12
2049	Fabrication of modified and functionalized polycaprolactone nanofibre scaffolds for vascular tissue engineering. <i>Nanotechnology</i> , <b>2005</b> , 16, 2138-42	3-4	119
2048	Direct fabrication of enzyme-carrying polymer nanofibers by electrospinning. <b>2005</b> , 15, 3241		102
2047	Poly(acrylic acid)-guided synthesis of helical polyaniline/CdS composite microwires. <i>Nanotechnology</i> , <b>2005</b> , 16, 113-117	3-4	36
2046	Preparation of Polysaccharide Nanofiber Fabrics by Electrospray Deposition: Additive Effects of Poly(ethylene oxide). <b>2005</b> , 37, 391-398		34
2045	Electrospun Magnetic Nanofibers With Anti-Counterfeiting Applications. <b>2005</b> , 467		1
2044	Formation of collagen-glycosaminoglycan blended nanofibrous scaffolds and their biological properties. <b>2005</b> , 6, 2998-3004		142
2043	Polymer micro/nanofiber fabrication using micro/nanopipettes.		1
2042	Some recent developments in the chemical synthesis of inorganic nanotubes. <b>2005</b> , 5013-22		110
2041	One-Dimensional Arrangement of Gold Nanoparticles by Electrospinning. <b>2005</b> , 17, 4949-4957		176
2040	Sub-micrometer-sized metal tubes from electrospun fiber templates. <b>2005</b> , 21, 10791-6		60
2039	Structure and properties of electrospun PLLA single nanofibres. <i>Nanotechnology</i> , <b>2005</b> , 16, 208-13	3-4	245
2038	Beaded Electrospun Fibers for Photonic Applications. <b>2005</b> , 38, 7863-7866		57
2037	Biocompatible nanofiber matrices for the engineering of a dermal substitute for skin regeneration. <b>2005</b> , 11, 847-54		204
2036	Sustained release of proteins from electrospun biodegradable fibers. <b>2005</b> , 6, 2017-24		489
2035	Electrospun Polyacrylonitrile Nanofibers Containing a High Concentration of Well-Aligned Multiwall Carbon Nanotubes. <b>2005</b> , 17, 967-973		390

2034	Temperature dependence of the resistance of self-assembled polyaniline nanotubes doped with 2-acrylamido-2-methyl-1-propanesulfonic acid. <b>2005</b> , 148, 271-274		25
2033	The influence of added ionic salt on nanofiber uniformity for electrospinning of electrolyte polymer. <b>2005</b> , 154, 209-212		39
2032	Preparation and structures of electrospun PAN nanofibers as a precursor of carbon nanofibers. <b>2005</b> , 155, 157-161		112
2031	High flux filtration medium based on nanofibrous substrate with hydrophilic nanocomposite coating. <b>2005</b> , 39, 7684-91		308
2030	Electrospinning of nanofibers with core-sheath, hollow, or porous structures. <b>2005</b> , 15, 735		359
2029	Electrospun Nanofibers of Blends of Conjugated Polymers: Morphology, Optical Properties, and Field-Effect Transistors. <b>2005</b> , 38, 4705-4711		213
2028	Collecting electrospun nanofibers with patterned electrodes. <b>2005</b> , 5, 913-6		343
2027	Ultra-fine polyelectrolyte hydrogel fibres from poly(acrylic acid)/poly(vinyl alcohol). <i>Nanotechnology</i> , <b>2005</b> , 16, 2852-2860	3-4	87
2026	Fabrication of a metal nanoparticles and polymer nanofibers composite material by an in situ chemical synthetic route. <b>2005</b> , 21, 7964-7		106
2025	Poly[bis(2,2,2-trifluoroethoxy)phosphazene] superhydrophobic nanofibers. <b>2005</b> , 21, 11604-7		175
2024	Co-electrospun nanofiber fabrics of poly(L-lactide-co-epsilon-caprolactone) with type I collagen or heparin. <b>2005</b> , 6, 2096-105		182
2023	Electrospun poly(styrene-block-dimethylsiloxane) block copolymer fibers exhibiting superhydrophobicity. <b>2005</b> , 21, 5549-54		431
2022	Toward Linear Arrays of Quantum Dots via Polymer Nanofibers and Nanorods. <b>2005</b> , 17, 809-814		48
2021	Electrospinning processed nanofibrous TiO(2) membranes for photovoltaic applications. <i>Nanotechnology</i> , <b>2006</b> , 17, 1026-31	3-4	182
2020	Electrospinning of polymer nanofibres from multiple jets on a porous tubular surface. <i>Nanotechnology</i> , <b>2006</b> , 17, 1123-7	3-4	226
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2018	Fabrication of one-dimensional colloidal assemblies from electrospun nanofibers. <b>2006</b> , 22, 3445-9		87
2017	Structure and nanomechanical characterization of electrospun PS/clay nanocomposite fibers. <b>2006</b> , 22, 1321-8		156



2016	In situ growth of ZnO nanocrystals from solid electrospun nanofiber matrixes. <b>2006</b> , 22, 7331-4	31
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2013	Electrochemical fabrication of conducting polymer nanowires in an integrated microfluidic system. <b>2006</b> , 3075-7	61
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2003	Facile Synthesis of Hollow Spheres of Sulfonated Polyanilines. <b>2006</b> , 38, 349-354	74
2002	Electrospinning of Styrene-Isoprene Copolymeric Thermoplastic Elastomers. <b>2006</b> , 38, 961-969	12
2001	Preparation of submicron polypyrrole/poly(methyl methacrylate) coaxial fibers and conversion to polypyrrole tubes and carbon tubes. <b>2006</b> , 22, 11384-7	66
2000	The intrinsic nanofibrillar morphology of polyaniline. <b>2006</b> , 367-76	341
1999	Synthesis and Assembly of Metal Nanoparticles on Electrospun Poly(4-vinylpyridine) Fibers and Poly(4-vinylpyridine) Composite Fibers. <b>2006</b> , 18, 2008-2011	81

1998	Conducting Polymer Nanomaterials and Their Applications. <b>2006</b> , 189-260		342
1997	Facile synthesis of single-crystal and controllable sized silver nanoparticles on the surfaces of polyacrylonitrile nanofibres. <i>Nanotechnology</i> , <b>2006</b> , 17, 917-920	3-4	71
1996	Long TiO <sub>2</sub> hollow fibers with mesoporous walls: sol-gel combined electrospun fabrication and photocatalytic properties. <b>2006</b> , 110, 11199-204		214
1995	Coaxial electrospinning of (fluorescein isothiocyanate-conjugated bovine serum albumin)-encapsulated poly(epsilon-caprolactone) nanofibers for sustained release. <b>2006</b> , 7, 1049-57		429
1994	Electrohydrodynamic atomization: an approach to growing continuous self-supporting polymeric fibers. <b>2006</b> , 110, 2522-8		30
1993	Spontaneous Formation of Poly(p-phenylenevinylene) Nanofiber Yarns through Electrospinning of a Precursor. <b>2006</b> , 39, 4276-4278		52
1992	Generation of Molecular Recognition Sites in Electrospun Polymer Nanofibers via Molecular Imprinting. <b>2006</b> , 39, 357-361		95
1991	OPTIMIZATION OF ELECTROSPINNING PROCESS PARAMETERS FOR TISSUE ENGINEERING SCAFFOLDS. <b>2006</b> , 01, 153-178		30
1990	Solution chemistry control to make well defined submicron continuous fibres by electrospinning: the (CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> O) <sub>4</sub> Ti/AcOH/poly(N-vinylpyrrolidone) system. <b>2006</b> , 16, 3031		6
1989	Encapsulation and selective recognition of molecularly imprinted theophylline and 17beta-estradiol nanoparticles within electrospun polymer nanofibers. <b>2006</b> , 22, 8960-5		80
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1987	Near-field electrospinning. <b>2006</b> , 6, 839-42		564
1986	Phospholipid nonwoven electrospun membranes. <b>2006</b> , 311, 353-5		245
1985	Modified Halpin-Tsai Equation for Clay-Reinforced Polymer Nanofiber. <b>2006</b> , 13, 77-81		25
1984	Individually resolved DNA molecules stretched and embedded in electrospun polymer nanofibers. <b>2006</b> , 6, 2526-30		45
1983	Electrospun mat of tyrosine-derived polycarbonate fibers for potential use as tissue scaffolding material. <b>2006</b> , 17, 1039-56		81
1982	Electrospun polymer nanofibers with internal periodic structure obtained by microphase separation of cylindrically confined block copolymers. <b>2006</b> , 6, 2969-72		153
1981	Electro-spinning optimization for precursor carbon nanofibers. <b>2006</b> , 37, 1681-1687		34

1980	Triphasic nanocolloids. <b>2006</b> , 128, 6796-7	136
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1978	Fabrication of a silver-ragwort-leaf-like super-hydrophobic micro/nanoporous fibrous mat surface by electrospinning. <i>Nanotechnology</i> , <b>2006</b> , 17, 5151-5156	3-4 158
1977	Electrospinning of polymeric nanofibers for tissue engineering applications: a review. <b>2006</b> , 12, 1197-211	1802
1976	Polyaniline micro/nanofibers doped with saturation fatty acids. <b>2006</b> , 156, 454-458	86
1975	Modification of Air Filter Media with Nylon-6 Nanofibers. <b>2006</b> , 1, 155892500600100	11
1974	Feasibility of Electrospinning the Globular Proteins Hemoglobin and Myoglobin. <b>2006</b> , 1, 155892500600100	15
1973	Femtosecond laser structuring of PCL and PET electrospun nanofiber mesh. <b>2006</b> ,	
1972	Development of Multiple-Jet Electrospinning Technology. <b>2006</b> , 91-105	9
1971	Porous Materials for Biological Applications. <b>2006</b> ,	1
1970	Electrospinning of Single-Crystal Vanadium Oxide Nanorods. <b>2006</b> , 988, 1	
1969	Fabrication of electrically bistable nanofibers. <b>2006</b> , 2, 1007-9	24
1968	Control of diameter, morphology, and structure of PVDF nanofiber fabricated by electrospray deposition. <b>2006</b> , 44, 779-786	78
1967	Tensile deformation of electrospun nylon-6,6 nanofibers. <b>2006</b> , 44, 1482-1489	136
1966	Electrospinning process using field-controllable electrodes. <b>2006</b> , 44, 1426-1433	55
1965	In vitro culture of human dermal fibroblasts on electrospun polycaprolactone collagen nanofibrous membrane. <b>2006</b> , 30, 440-6	173
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1963	Processing and Structure Relationships in Electrospinning of Ceramic Fiber Systems. <b>2006</b> , 89, 395-407	344

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1961	Stability analysis for multi-jets electrospinning process modified with a cylindrical electrode. <b>2006</b> , 42, 2031-2038	172
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1958	Layer-by-layer self-assembled tubular films containing polyoxometalate on electrospun nanofibers. <b>2006</b> , 284-285, 257-262	47
1957	Electrospinning of polycrystalline barium titanate nanofibers with controllable morphology and alignment. <b>2006</b> , 424, 162-166	75
1956	Synthesis, characterization and surface properties of amphiphilic polystyrene-b-polypropylene glycol block copolymers. <b>2006</b> , 42, 740-750	32
1955	Single light emitters in electrospun polymer nanofibers: Effect of local confinement on radiative decay. <b>2006</b> , 42, 2205-2210	28
1954	Electrospun nanofibrous filtration membrane. <b>2006</b> , 281, 581-586	674
1953	Conductive polypyrrole nanofibers via electrospinning: Electrical and morphological properties. <b>2006</b> , 47, 1597-1603	286
1952	Toward optimizing synthesis of nanostructured chiral polyaniline. <b>2006</b> , 47, 3112-3118	25
1951	Formation and properties of nylon-6 and nylon-6/montmorillonite composite nanofibers. <b>2006</b> , 47, 6208-6217	152
1950	Cyclic polyaniline nanostructures from aqueous/organic interfacial polymerization induced by polyacrylic acid. <b>2006</b> , 47, 7680-7683	21
1949	Ultrasonic synthesis of polyaniline nanotubes containing Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <b>2006</b> , 179, 2609-2615	99
1948	Preparation of ion-exchange fiber fabrics by electrospray deposition. <b>2006</b> , 293, 143-50	46
1947	Nanofibers of barium strontium titanate (BST) by sol-gel processing and electrospinning. <b>2006</b> , 297, 578-83	71
1946	Large-scale synthesis of tungsten oxide nanofibers by electrospinning. <b>2006</b> , 298, 996-9	92
1945	Effect of ion-exchange nanofiber fabrics on water splitting in bipolar membrane. <b>2006</b> , 300, 442-5	24

1944	Filtration application from recycled expanded polystyrene. <b>2006</b> , 302, 267-71	67
1943	High performance ultrafiltration composite membranes based on poly(vinyl alcohol) hydrogel coating on crosslinked nanofibrous poly(vinyl alcohol) scaffold. <b>2006</b> , 278, 261-268	206
1942	Fabrication of sulfonated poly(ether ether ketone ketone) membranes with high proton conductivity. <b>2006</b> , 281, 1-6	51
1941	Fabrication of transparent alumina (Al <sub>2</sub> O <sub>3</sub> ) nanofibers by electrospinning. <b>2006</b> , 435-436, 468-473	72
1940	Crystal structures of electrospun PVDF membranes and its separator application for rechargeable lithium metal cells. <b>2006</b> , 131, 100-105	170
1939	Structural characterization and morphology of electrospun TiO <sub>2</sub> nanofibers. <b>2006</b> , 131, 147-155	148
1938	Preparation of superhydrophilic Fe <sub>2</sub> O <sub>3</sub> nanofibers with tunable magnetic properties. <b>2006</b> , 510, 271-274	72
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1933	Solution Rheological Behavior and Electrospinning of Cationic Polyelectrolytes. <b>2006</b> , 39, 575-583	169
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1930	Polymer nano-engineering for biomedical applications. <b>2006</b> , 34, 75-88	56
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1924	Challenges in biocatalysis for enzyme-based biofuel cells. <b>2006</b> , 24, 296-308	483
1923	Thermoelectric oxide NaCo <sub>2</sub> O <sub>4</sub> nanofibers fabricated by electrospinning. <b>2006</b> , 99, 104-108	78
1922	Fabrication of yttria-stabilized zirconia nanofibers by electrospinning. <b>2006</b> , 60, 67-72	82
1921	Polyvinylpyrrolidone/tris(8-quinolinolato) aluminum hybrid polymer fibers by electrospinning. <b>2006</b> , 60, 2969-2973	16
1920	BCNU-loaded PEG-PLLA ultrafine fibers and their in vitro antitumor activity against Glioma C6 cells. <b>2006</b> , 114, 307-16	136
1919	Polyaniline/Polylactide composite nanowires prepared by emulsion polymerization and electrospinning process. <b>2006</b> , 99, 1277-1286	39
1918	Developing protective textile materials as barriers to liquid penetration using melt-electrospinning. <b>2006</b> , 102, 3430-3437	176
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1916	Adsorption characteristics of benzene on electrospun-derived porous carbon nanofibers. <b>2006</b> , 102, 2454-2462	56
1915	Fabrication of discontinuous fibers of poly (N-vinylpyrrolidone) containing metalloporphyrin molecules. <b>2006</b> , 102, 6017-6022	6
1914	Hydrophilic nanofibrous structure of polylactide; fabrication and cell affinity. <b>2006</b> , 78, 247-57	92
1913	Modulation of protein release from biodegradable core-shell structured fibers prepared by coaxial electrospinning. <b>2006</b> , 79, 50-7	178
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1908	Photocatalytic Deposition of Silver Nanoparticles onto Organic/Inorganic Composite Nanofibers. <b>2006</b> , 291, 1265-1270	68
1907	Core-Sheath Structure in Electrospun Nanofibers from Polymer Blends. <b>2006</b> , 291, 1307-1314	106
1906	Large-Scale Synthesis of Necklace-Like Single-Crystalline PbTiO <sub>3</sub> Nanowires. <b>2006</b> , 27, 76-80	51
1905	Carbon Nanotube-Adsorbed Electrospun Nanofibrous Membranes of Nylon 6. <b>2006</b> , 27, 146-151	80
1904	Poly(dicyclopentadiene) Submicron Fibers Produced by Electrospinning. <b>2006</b> , 27, 511-515	25
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1902	Preparation of Core-Sheath Composite Nanofibers by Emulsion Electrospinning. <b>2006</b> , 27, 1637-1642	247
1901	Stable, Superhydrophobic, and Conductive Polyaniline/Polystyrene Films for Corrosive Environments. <b>2006</b> , 16, 568-574	294
1900	Electrospun Polyaniline/Poly(methyl methacrylate)-Derived Turbostratic Carbon Micro-/Nanotubes. <b>2006</b> , 18, 348-353	204
1899	High-Strength Mats from Electrospun Poly(p-Phenylene Biphenyltetracarboximide) Nanofibers. <b>2006</b> , 18, 668-671	139
1898	Conductive Gold Films Assembled on Electrospun Poly(methyl methacrylate) Fibrous Mats. <b>2006</b> , 18, 1709-1712	56
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1896	Effect of concentration, voltage, take-over distance and diameter of pinhead on precursory poly (phenylene vinylene) electrospinning. <b>2006</b> , 35, 278-283	18
1895	Nanoscale Polymer Fabrication for Biomedical Applications. <b>2006</b> , 51-96	3
1894	Preparation of chitosan microfibrils using electro-wet-spinning and their electroactuation properties. <b>2006</b> , 15, 607-611	12
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1892	Conducting polymer fibers of polyaniline doped with camphorsulfonic acid. <b>2006</b> , 948, 1	1
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1890	Applications of Electrospun Nanofibers in Current and Future Materials. <b>2006</b> , 121-136			13
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1487	PVDF/PMMA composite nanofiber fabricated by electrospray deposition: Crystallization of PVDF induced by solvent extraction of PMMA component. <b>2009</b> , 112, 1868-1872	13
1486	Thermal and structural characterization of nanofibers of poly(vinyl alcohol) produced by electrospinning. <b>2009</b> , 112, 1680-1687	35
1485	Synthesis of ultrafine poly(styrene-maleic anhydride) and polystyrene fibers by electrospinning. <b>2009</b> , 113, 2709-2718	6
1484	Electrospinning fabrication and characterization of poly(vinyl alcohol)/montmorillonite nanofiber mats. <b>2009</b> , 113, 1860-1867	65
1483	Needleless electrospinning. I. A comparison of cylinder and disk nozzles. <b>2009</b> , 114, 3524-3530	166
1482	Morphologies and electrical properties of electrospun poly[(R)-3-hydroxybutyrate-co-(R)-3-hydroxyvalerate]/ multiwalled carbon nanotubes fibers. <b>2009</b> , 116, n/a-n/a	6
1481	Electrospinning of antibacterial poly(vinylidene fluoride) nanofibers containing silver nanoparticles. <b>2009</b> , 116, n/a-n/a	12
1480	Polyaniline/DNA microsphere formation by simple electropolymerization. <b>2009</b> , 13, 1441-1447	4
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1478	Electrospinning of chitosan/poly(ethylene oxide) blend nanofibers in the presence of micellar surfactant solutions. <b>2009</b> , 50, 189-200	184
1477	Characterization of electrospun ZnO/Bi <sub>2</sub> O <sub>3</sub> nanofibers for ethanol sensor. <b>2009</b> , 154, 175-179	89

1476	Structure and electrical properties of electrospun ZnO/NiO mixed oxide nanofibers. <b>2009</b> , 9, S213-S216	26
1475	Electrospinning of carboxymethyl chitin/poly(vinyl alcohol) nanofibrous scaffolds for tissue engineering applications. <b>2009</b> , 77, 863-869	228
1474	Fabrication of electrospun poly(methyl methacrylate) nanofibrous membranes by statistical approach for application in enzyme immobilization. <b>2009</b> , 340, 9-15	51
1473	Electrochemical preparation of polyaniline microspheres incorporated with DNA. <b>2009</b> , 39, 747-750	3
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1470	Fabrication and characterization of electrospun titania nanofibers. <b>2009</b> , 44, 1198-1205	75
1469	An innovative and versatile approach to design highly porous, patterned, nanofibrous polymeric materials. <b>2009</b> , 44, 4969-4975	27
1468	High surface area nonwovens via fibrillating spunbonded nonwovens comprising Islands-in-the-Sea bicomponent filaments: structure-process-property relationships. <b>2009</b> , 44, 5926-5934	27
1467	Bicomponent AgCl/PVP nanofibre fabricated by electrospinning with gel-sol method. <b>2009</b> , 32, 161-164	9
1466	In situ Characterization of Nanomechanical Behavior of Free-standing Nanostructures. <b>2009</b> , 49, 191-205	5
1465	Magnesium Ferrite (MgFe <sub>2</sub> O <sub>4</sub> ) Nanostructures Fabricated by Electrospinning. <b>2008</b> , 4, 221-228	154
1464	Nanostructures and magnetic properties of cobalt ferrite (CoFe <sub>2</sub> O <sub>4</sub> ) fabricated by electrospinning. <b>2009</b> , 97, 167-177	112
1463	Role of electrospun fibre diameter and corresponding specific surface area (SSA) on cell attachment. <b>2009</b> , 3, 269-79	60
1462	Nanostructured polymer scaffolds for tissue engineering and regenerative medicine. <b>2009</b> , 1, 226-36	203
1461	Synthesis of pH-responsive crosslinked poly[styrene-co-(maleic sodium anhydride)] and cellulose composite hydrogel nanofibers by electrospinning. <b>2009</b> , 58, 545-551	35
1460	Electrospun nanoparticle-nanofiber composites via a one-step synthesis. <b>2009</b> , 5, 944-51	135
1459	Continuous nanoscale carbon fibers with superior mechanical strength. <b>2009</b> , 5, 536-42	136

1458	Surface modification of electrospun polycaprolactone nanofiber meshes by plasma treatment to enhance biological performance. <b>2009</b> , 5, 1195-206	196
1457	Encapsulation of multiple biological compounds within a single electrospun fiber. <b>2009</b> , 5, 1508-12	69
1456	One-dimensional composite nanomaterials: synthesis by electrospinning and their applications. <b>2009</b> , 5, 2349-70	73 <sup>o</sup>
1455	Preparation and mechanical properties of well-aligned and well-oriented poly(vinyl alcohol) nanoribbon. <b>2009</b> , 20, 258-262	2
1454	Dye, fluorophores and pigment coloration of nanofibers produced by electrospinning. <b>2009</b> , 20, 111-121	22
1453	Effects of the spin line temperature profile and melt index of poly(propylene) on melt-electrospinning. <b>2009</b> , 49, 391-396	40
1452	Charge storage of electrospun fiber mats of poly(phenylene ether)/polystyrene blends. <b>2009</b> , 49, 2430-2439	24
1451	Polymer nanofibre junctions of attolitre volume serve as zeptomole-scale chemical reactors. <b>2009</b> , 1, 80-6	75
1450	Electrospinning of gelatin and gelatin/poly(l-lactide) blend and its characteristics for wound dressing. <b>2009</b> , 29, 1822-1828	145
1449	Electrospinning of reconstituted silk fiber from aqueous silk fibroin solution. <b>2009</b> , 29, 2270-2274	73
1448	Electrospinning of poly(vinyl alcohol)-water-soluble quaternized chitosan derivative blend. <b>2009</b> , 344, 2496-501	80
1447	Preparation of nonwoven polyimide/silica hybrid nanofibrous fabrics by combining electrospinning and controlled in situ sol-gel techniques. <b>2009</b> , 45, 2767-2778	64
1446	Simulation study on the influence of an electric field on water evaporation. <b>2009</b> , 904, 83-90	42
1445	Synthesis and electrochemical properties of template-based polyaniline nanowires and template-free nanofibril arrays: Two potential nanostructures for gas sensors. <b>2009</b> , 136, 1-7	36
1444	Thermodynamics and properties of nanophases. <b>2009</b> , 492, 2-15	11
1443	Schottky diodes based on electrospun polyaniline nanofibers: Effects of varying fiber diameter and doping level on device performance. <b>2009</b> , 41, 423-426	13
1442	Electrospun polyacrylonitrile/zinc chloride composite nanofibers and their response to hydrogen sulfide. <b>2009</b> , 50, 605-612	62
1441	Development of carbon nanofibers from aligned electrospun polyacrylonitrile nanofiber bundles and characterization of their microstructural, electrical, and mechanical properties. <b>2009</b> , 50, 2999-3006	33 <sup>o</sup>



1440	Composite nanofibers of conducting polymers and hydrophobic insulating polymers: Preparation and sensing applications. <b>2009</b> , 50, 3292-3301	84
1439	Morphology, structure and properties of conductive PS/CNT nanocomposite electrospun mat. <b>2009</b> , 50, 3329-3342	127
1438	Electrospinning zwitterion-containing nanoscale acrylic fibers. <b>2009</b> , 50, 4781-4787	18
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1436	Polyvinylidene fluoride membrane by novel electrospinning system for separator of Li-ion batteries. <b>2009</b> , 189, 716-720	118
1435	Ultrafine electrospun fibers based on stearyl stearate/polyethylene terephthalate composite as form stable phase change materials. <b>2009</b> , 150, 269-274	74
1434	Antibacterial activities of surface modified electrospun poly(vinylidene fluoride-co-hexafluoropropylene) (PVDF-HFP) fibrous membranes. <b>2009</b> , 255, 3854-3858	65
1433	Nanoparticle processing for optical applications [A review]. <b>2009</b> , 20, 283-292	91
1432	Lipase-immobilized electrospun PAN nanofibrous membranes for soybean oil hydrolysis. <b>2009</b> , 45, 48-53	55
1431	Thermo-chemical reactions occurring during the oxidative stabilization of electrospun polyacrylonitrile precursor nanofibers and the resulting structural conversions. <b>2009</b> , 47, 1087-1095	61
1430	High power supercapacitors using polyacrylonitrile-based carbon nanofiber paper. <b>2009</b> , 47, 2984-2992	310
1429	Preparation and characterization of electrospun pullulan/montmorillonite nanofiber mats in aqueous solution. <b>2009</b> , 78, 336-342	73
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1426	Biofunctionalized electrospun silk mats as a topical bioactive dressing for accelerated wound healing. <b>2009</b> , 5, 2570-8	303
1425	Structure-function relationships and source-to-ground distance in electrospun polycaprolactone. <b>2009</b> , 5, 1552-61	52
1424	Preparation of Pt-loaded TiO <sub>2</sub> nanofibers by electrospinning and their application for WGS reactions. <b>2009</b> , 352, 265-270	26
1423	Phenolic Resin-Based Carbon Thin Fibers Prepared by Electrospinning: Additive Effects of Poly(vinyl butyral) and Electrolytes. <b>2009</b> , 41, 1124-1128	48

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1419	Carbon Nanotube-Filled Nanofibrous Membranes Electrospun from Poly(acrylonitrile-co-acrylic acid) for Glucose Biosensor. <b>2009</b> , 113, 2955-2960	61
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1408	Fabrication of aluminum nitride (AlN) hollow fibers by carbothermal reduction and nitridation of electrospun precursor fibers. <b>2009</b> , 471, 400-403	34
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1398	Ballistic Resistant Body Armor: Contemporary and Prospective Materials and Related Protection Mechanisms. <b>2009</b> , 62,		108
1397	Physical principles of electrospinning (Electrospinning as a nano-scale technology of the twenty-first century). <b>2009</b> , 41, 59-140		97
1396	Flexible nanofiber-reinforced aerogel (xerogel) synthesis, manufacture, and characterization. <b>2009</b> , 1, 2491-501		124
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1389	Thermo-Responsive Nanofiber Mats. <b>2009</b> , 42, 5916-5918		49
1388	Large-Scale Production of Aligned Long Boron Nitride Nanofibers by Multijet/Multicollector Electrospinning. <b>2009</b> , 113, 11228-11234		64
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1383	Bionic electrospun ultrafine fibrous poly(L-lactic acid) scaffolds with a multi-scale structure. <b>2009</b> , 4, 035004	37
1382	Full color light-emitting electrospun nanofibers prepared from PFO/MEH-PPV/PMMA ternary blends. <b>2009</b> , 47, 463-470	40
1381	Supercapacitors based on hybrid carbon nanofibers containing multiwalled carbon nanotubes. <b>2009</b> , 19, 2810	164
1380	Tailoring fiber diameter in electrospun poly(epsilon-caprolactone) scaffolds for optimal cellular infiltration in cardiovascular tissue engineering. <b>2009</b> , 15, 437-44	142
1379	In vivo tissue response and degradation behavior of PLLA and stereocomplexed PLA nanofibers. <b>2009</b> , 10, 237-42	139
1378	Fabrication of Poly[zinc acrylate-co-acrylic poly(ethylene glycol) ester] Nanofibers. <b>2009</b> , 38, 378-379	
1377	Electrospun fibers composed of Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> nanocrystals. <b>2009</b> , 117, 1203-1207	12
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1375	The processing, structure and properties of elastomeric fibers. <b>2009</b> , 325-351	2
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1373	Preparation of polypyrrolone nanofibres by polypyrrolone precursor electrospinning. <b>2010</b> , 39, 262-267	3
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1368	Electrospinning: a fascinating fiber fabrication technique. <b>2010</b> , 28, 325-47	3136
1367	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. <b>2010</b> , 20, 5700	104
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1365	The potential of nanofibers and nanobiocides in water purification. <b>2010</b> , 36, 68-81	130
1364	Synergistic effects of electrospun PLLA fiber dimension and pattern on neonatal mouse cerebellum C17.2 stem cells. <b>2010</b> , 6, 2960-9	129
1363	Single step electrospinning of chitosan/poly(caprolactone) nanofibers using formic acid/acetone solvent mixture. <b>2010</b> , 80, 413-419	175
1362	Metal-containing nanofibers via coordination chemistry. <b>2010</b> , 254, 2363-2390	83
1361	Electrospinning of polymer nanofibers: Effects on oriented morphology, structures and tensile properties. <b>2010</b> , 70, 703-718	614
1360	Electrospinning fabrication and characterization of poly(vinyl alcohol)/montmorillonite/silver hybrid nanofibers for antibacterial applications. <b>2010</b> , 288, 115-121	86
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1351	Simple approach to fabricate AgBr nanoparticles/polyvinylpyrrolidone microspheres. <b>2010</b> , 5, 234	1

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1347	High conductivity perfluorosulfonic acid nanofiber composite fuel-cell membranes. <b>2010</b> , 3, 1245-8	62
1346	Single Conducting-Polymer Nanowires. <b>2010</b> , 411-466	1
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1343	Preparation of chitosan bicomponent nanofibers filled with hydroxyapatite nanoparticles via electrospinning. <b>2010</b> , 115, 2683-2690	16
1342	Effect of solvent on surface wettability of electrospun polyphosphazene nanofibers. <b>2010</b> , 115, 3393-3400	19
1341	Recent progress in the preparation, characterization, and applications of nanofibers and nanofiber membranes via electrospinning/interfacial polymerization. <b>2010</b> , 115, 756-776	119
1340	Retracted: Electrospinning instabilities in the drop formation and jet ejection at various concentrations of polyvinyl alcohol polymer solution. <b>2010</b> , 115, NA-NA	1
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1338	The influence of electrospinning parameters on the structural morphology and diameter of electrospun nanofibers. <b>2010</b> , 115, 3130-3136	138
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1336	Electrospun ultrafine composite fibers from organic-soluble chitosan and poly(ethylene oxide). <b>2010</b> , 117, 2113-2120	6
1335	Influence of electric field interference on double nozzles electrospinning. <b>2010</b> , 116, NA-NA	7
1334	Effect of nonsolvent on morphologies of polyamide 6 electrospun fibers. <b>2010</b> , 118, 3005-3012	13
1333	New Thermoresponsive Luminescent Electrospun Nanofibers Prepared from Poly[2,7-(9,9-dihexylfluorene)]-block-poly(N-isopropylacrylamide)/PMMA Blends. <b>2010</b> , 211, 1408-1416	27

1332	Electrospun Magnetic Fibrillar Polystyrene Nanocomposites Reinforced with Nickel Nanoparticles. <b>2010</b> , 211, 1775-1783	63
1331	Diphenylacetylene Polymer Nanofiber Mats Fabricated by Freeze Drying: Preparation and Application for Explosive Sensors. <b>2010</b> , 211, 1900-1908	24
1330	Electrospinning of Cellulose-Based Fibers From NaOH/Urea Aqueous System. <b>2010</b> , 295, 695-700	41
1329	Absorption Properties of Microgel-PVP Composite Nanofibers Made by Electrospinning. <b>2010</b> , 31, 183-9	19
1328	Morphology and pH Sensing Characteristics of New Luminescent Electrospun Fibers Prepared from Poly(phenylquinoline)-block-Polystyrene/Polystyrene Blends. <b>2010</b> , 31, 65-70	42
1327	Chemistry on electrospun polymeric nanofibers: merely routine chemistry or a real challenge?. <b>2010</b> , 31, 1317-31	84
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1325	Control over Internal Structure of Liquid Crystal Polymer Nanofibers by Electrospinning. <b>2010</b> , 31, 1641-5	32
1324	Nanofibers by green electrospinning of aqueous suspensions of biodegradable block copolyesters for applications in medicine, pharmacy and agriculture. <b>2010</b> , 31, 2077-83	57
1323	Fabrication of Microropes via Bi-electrospinning with a Rotating Needle Collector. <b>2010</b> , 31, 2151-4	22
1322	Preparation of silica fibers and non-woven cloth by electrospinning. <b>2010</b> , 21, 64-68	24
1321	Polymeric materials for bone and cartilage repair. <b>2010</b> , 35, 403-440	676
1320	Theories of polyaniline nanostructure self-assembly: Towards an expanded, comprehensive Multi-Layer Theory (MLT). <b>2010</b> , 35, 1403-1419	141
1319	Aggregation states of rhodamine 6G in electrospun nanofibrous films. <b>2010</b> , 341, 224-31	15
1318	Electrospinning of food-grade nanofibers from cellulose acetate and egg albumen blends. <b>2010</b> , 98, 370-376	155
1317	Development of hydrophilic barrier layer on nanofibrous substrate as composite membrane via a facile route. <b>2010</b> , 356, 110-116	106
1316	Molecularly imprinted nanofiber membranes from cellulose acetate aimed for chiral separation. <b>2010</b> , 357, 90-97	103
1315	A novel method of selecting solvents for polymer electrospinning. <b>2010</b> , 51, 1654-1662	227

1314	Electrospinning and characterization of highly sulfonated polystyrene fibers. <b>2010</b> , 51, 1983-1989	40
1313	Graphitic carbon nanofibers developed from bundles of aligned electrospun polyacrylonitrile nanofibers containing phosphoric acid. <b>2010</b> , 51, 2360-2367	94
1312	Aqueous electrospinning of wheat gluten fibers with thiolated additives. <b>2010</b> , 51, 3164-3172	28
1311	Formation and characterization of core-sheath nanofibers through electrospinning and surface-initiated polymerization. <b>2010</b> , 51, 4368-4374	28
1310	Unconfined fluid electrospun into high quality nanofibers from a plate edge. <b>2010</b> , 51, 4928-4936	106
1309	Structural properties and superhydrophobicity of electrospun polypropylene fibers from solution and melt. <b>2010</b> , 51, 6005-6012	77
1308	Effect of tethering chemistry of cationic surfactants on clay exfoliation, electrospinning and diameter of PMMA/clay nanocomposite fibers. <b>2010</b> , 51, 6295-6302	22
1307	Thermal instabilities in melt spinning of viscoelastic fibers. <b>2010</b> , 165, 879-891	11
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1305	Antitumor activity of quaternized chitosan-based electrospun implants against Graffi myeloid tumor. <b>2010</b> , 400, 221-33	64
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1099	Preparation of chitosan/alginate microcapsules by high-voltage electrostatic method. <b>2011</b> , 6, 48-53	2

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1097	A novel device for in-situ nanomechanics of 1-D nanostructures. <b>2011</b> , 63, 49-56	6
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1095	On the way to clean and safe electrospinninggreen electrospinning: emulsion and suspension electrospinning. <b>2011</b> , 22, 372-378	127
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1093	Electrospinning of polylactide and its composites with carbon nanotubes. <b>2011</b> , 32, 1280-1288	42
1092	Atmospheric plasma treatment of pre-electrospinning polymer solution: A feasible method to improve electrospinnability. <b>2011</b> , 49, 115-122	29
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1085	One-Step Fabrication of Multifunctional Core-Shell Fibres by Co-Electrospinning. <b>2011</b> , 21, 3488-3495	32
1084	Multifunctionalized Electrospun Silk Fibers Promote Axon Regeneration in the Central Nervous System. <b>2011</b> , 21, 4232-4242	54
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1078	Fabrication of aligned electrospun nanofibers by inclined gap method. <b>2011</b> , 120, 1800-1807	48
1077	Electrospun poly(L-lactide)/poly( $\epsilon$ -caprolactone) blend fibers and their cellular response to adipose-derived stem cells. <b>2011</b> , 120, 2154-2165	21
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1072	Paclitaxel loaded electrospun porous nanofibers as mat potential application for chemotherapy against prostate cancer. <b>2011</b> , 86, 505-512	100
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1070	Improved cellular response on multiwalled carbon nanotube-incorporated electrospun polyvinyl alcohol/chitosan nanofibrous scaffolds. <b>2011</b> , 84, 528-35	118
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