

Yibing Cai

List of Publications by Year in Descending Order

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

128
papers

3,311
citations

34
h-index

50
g-index

134
ext. papers

3,754
ext. citations

4.4
avg, IF

5.2
L-index

#	Paper	IF	Citations
128	Ultrafast gelation of multifunctional hydrogel/composite based on self-catalytic Fe/Tannic acid-cellulose nanofibers. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1457-1468	9.3	4
127	Liquid or solid? a biologically inspired concentrated suspension for protective coating. <i>Chemical Engineering Journal</i> , 2022 , 428, 131793	14.7	4
126	Fabrication and Performance of Shape-Stable Phase Change Composites Supported by Environment-Friendly and Economical Loofah Sponge Fibers for Thermal Energy Storage. <i>Energy & Fuels</i> , 2022 , 36, 3938-3946	4.1	2
125	Biomorphic NiO/Ni with a Regular Pore-Array Structure as a Supercapacitor Electrode Material. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 562-566	2.3	3
124	High-performance polyacrylonitrile-based pre-oxidized fibers fabricated through strategy with chemical pretreatment, layer-by-layer assembly, and stabilization techniques. <i>High Performance Polymers</i> , 2021 , 33, 105-114	1.6	1
123	Multifunctional shape-stabilized phase change composites based upon multi-walled carbon nanotubes and polypyrrole decorated melamine foam for light/electric-to-thermal energy conversion and storage. <i>Journal of Energy Storage</i> , 2021 , 43, 103187	7.8	1
122	3D Lamellar Structure of Biomass-Based Porous Carbon Derived from Towel Gourd toward Phase Change Composites with Thermal Management and Protection.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8923-8932	4.1	7
121	MoS ₂ Nanoplates Embedded in Co/N-Doped Carbon Nanocages as Efficient Catalyst for HER and OER. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5724-5733	8.3	19
120	Effects of chemical pre-treatment on structure and property of polyacrylonitrile based pre-oxidized fibers. <i>Journal of Engineered Fibers and Fabrics</i> , 2020 , 15, 155892501989894	0.9	1
119	Facile controlled synthesis of monodispersed MoO ₃ -MoS ₂ hybrid nanospheres for efficient hydrogen evolution reaction. <i>Applied Surface Science</i> , 2020 , 529, 147115	6.7	8
118	A Dual-Mode Wearable Sensor Based on Bacterial Cellulose Reinforced Hydrogels for Highly Sensitive Strain/Pressure Sensing. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900934	6.4	48
117	Effect of Graphene Oxide Modified Cobalt Nickel Phosphate on Flame Retardancy of Epoxy Resin. <i>Frontiers in Materials</i> , 2020 , 7,	4	2
116	Fabrication of flexible TiO ₂ -SiO ₂ composite nanofibers with variable structure as efficient adsorbent. <i>Ceramics International</i> , 2020 , 46, 3543-3549	5.1	5
115	In situ 3D bacterial cellulose/nitrogen-doped graphene oxide quantum dot-based membrane fluorescent probes for aggregation-induced detection of iron ions. <i>Cellulose</i> , 2019 , 26, 6073-6086	5.5	9
114	Superior Form-Stable Phase Change Material Made with Graphene-Connected Carbon Nanofibers and Fatty Acid Eutectics. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7044-7053	1.3	3
113	Fabrication of Form-Stable Phase Change Materials Based on Mechanically Flexible SiO ₂ Nanofibrous Mats for Thermal Energy Storage/Retrieval. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 5562-5571	1.3	4
112	Preparation of novel form-stable composite phase change materials with porous silica nanofibrous mats for thermal storage/retrieval. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 570, 1-10	5.1	17

111	Ultralight and Flexible Carbon Foam-Based Phase Change Composites with High Latent-Heat Capacity and Photothermal Conversion Capability. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31997-32007	0.5	61
110	Inspection for supercritical CO ₂ dyeing of poly(m-phenylene isophthalamide) by kinetics and thermodynamics analysis. <i>Journal of Engineered Fibers and Fabrics</i> , 2019 , 14, 155892501988640	0.9	0
109	Thermal behavior and shape-stabilization of fatty acid eutectics/electrospun carbon nano-felts composite phase change materials enhanced by reduced graphene oxide. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 191, 306-315	6.4	24
108	MOF-based C-doped coupled TiO ₂ /ZnO nanofibrous membrane with crossed network connection for enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 982-990	5.7	31
107	Electrospun TiO ₂ nanofibers coated with polydopamine for enhanced sunlight-driven photocatalytic degradation of cationic dyes. <i>Surface and Interface Analysis</i> , 2019 , 51, 169-176	1.5	9
106	Highly flexible, transparent, and conductive silver nanowire-attached bacterial cellulose conductors. <i>Cellulose</i> , 2018 , 25, 3189-3196	5.5	23
105	Preparation of TiO ₂ Nanofibrous Membranes with Hierarchical Porosity for Efficient Photocatalytic Degradation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 8946-8953	3.8	15
104	Protoporphyrin-IX conjugated cellulose nanofibers that exhibit high antibacterial photodynamic inactivation efficacy. <i>Nanotechnology</i> , 2018 , 29, 265601	3.4	37
103	Deposition of TiO ₂ Nanoparticles on Porous Polylactic Acid Fibrous Substrates and Its Photocatalytic Capability. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5617-5623	1.3	13
102	Protoporphyrin IX conjugated bacterial cellulose via diamide spacer arms with specific antibacterial photodynamic inactivation against Escherichia coli. <i>Cellulose</i> , 2018 , 25, 1673-1686	5.5	25
101	Fe-doped Co ₉ S ₈ nanosheets on carbon fiber cloth as pH-universal freestanding electrocatalysts for efficient hydrogen evolution. <i>Electrochimica Acta</i> , 2018 , 264, 157-165	6.7	34
100	Novel freestanding N-doped carbon coated Fe ₃ O ₄ nanocomposites with 3D carbon fibers network derived from bacterial cellulose for supercapacitor application. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 810, 18-26	4.1	15
99	Formation of Yolk-Shell Nickel-Cobalt Selenide Dodecahedral Nanocages from Metal-Organic Frameworks for Efficient Hydrogen and Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10952-10959	8.3	80
98	High Adsorption Pearl-Necklace-Like Composite Membrane Based on Metal-Organic Framework for Heavy Metal Ion Removal. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700438	3.1	26
97	Cu Nanoparticles Improved Thermal Property of Form-Stable Phase Change Materials Made with Carbon Nanofibers and LA-MA-SA Eutectic Mixture. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2723-2731	1.3	5
96	Graphene Oxide Nanocoating Prevents Flame Spread on Polyurethane Sponge. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5105-5112	1.3	4
95	Facile fabrication of flexible SiO ₂ /PANI nanofibers for ammonia gas sensing at room temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 537, 532-539	5.1	30
94	Fluorescent Nitrogen-Doped Carbon Dots via Single-Step Synthesis Applied as Fluorescent Probe for the Detection of Fe ³⁺ Ions and Anti-Counterfeiting Inks. <i>Nano</i> , 2018 , 13, 1850097	1.1	9

93	A highly flexible self-powered biosensor for glucose detection by epitaxial deposition of gold nanoparticles on conductive bacterial cellulose. <i>Chemical Engineering Journal</i> , 2018 , 351, 177-188	14.7	57
92	Effects of SiO ₂ nanoparticles on structure and property of form-stable phase change materials made of cellulose acetate phase inversion membrane absorbed with capric-myristic-stearic acid ternary eutectic mixture. <i>Thermochimica Acta</i> , 2017 , 653, 49-58	2.9	27
91	Self-assembly of nitrogen-doped carbon dots anchored on bacterial cellulose and their application in iron ion detection. <i>Carbohydrate Polymers</i> , 2017 , 172, 93-101	10.3	54
90	Synthesis of novel nitrogen-doped carbon dots for highly selective detection of iron ion. <i>Nanotechnology</i> , 2017 , 28, 165502	3.4	55
89	Fabrication and characterization of porous cellulose acetate films by breath figure incorporated with capric acid as form-stable phase change materials for storing/retrieving thermal energy. <i>Fibers and Polymers</i> , 2017 , 18, 253-263	2	7
88	Effect of pore distribution on the lithium storage properties of porous C/SnO ₂ nanofibers. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 414-423	5.7	15
87	Carbon-Coated Magnesium Ferrite Nanofibers for Lithium-Ion Battery Anodes with Enhanced Cycling Performance. <i>Energy Technology</i> , 2017 , 5, 1364-1372	3.5	16
86	Flexible cellulose acetate nano-felts absorbed with capric-myristic-stearic acid ternary eutectic mixture as form-stable phase-change materials for thermal energy storage/retrieval. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 661-673	4.1	11
85	Sonochemical synthesis and high lithium storage properties of ordered Co/CMK-3 nanocomposites. <i>Applied Surface Science</i> , 2017 , 400, 492-497	6.7	13
84	Fabrication of hierarchically porous TiO nanofibers by microemulsion electrospinning and their application as anode material for lithium-ion batteries. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1297-1306 ⁴	3	2
83	Fabrication of hierarchical TiO ₂ nanofibers by microemulsion electrospinning for photocatalysis applications. <i>Ceramics International</i> , 2017 , 43, 15911-15917	5.1	21
82	Fabrication and characterization of electrospun porous cellulose acetate nanofibrous mats incorporated with capric acid as form-stable phase change materials for storing/retrieving thermal energy. <i>International Journal of Green Energy</i> , 2017 , 14, 1011-1019	3	2
81	Wintersweet Branch-Like C/C@SnO ₂ /MoS ₂ Nanofibers as High-Performance Li and Na-Ion Battery Anodes. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700295	3.1	13
80	Electrospinning combined with hydrothermal synthesis and lithium storage properties of ZnFe ₂ O ₄ -graphene composite nanofibers. <i>Ceramics International</i> , 2017 , 43, 2136-2142	5.1	21
79	Facile one-step solid-state reaction to synthesis of hafnium carbide nanoparticles at low temperature. <i>Journal of the Ceramic Society of Japan</i> , 2017 , 125, 789-791	1	7
78	Ag-coated polyurethane fibers membranes absorbed with quinary fatty acid eutectics solid-liquid phase change materials for storage and retrieval of thermal energy. <i>Renewable Energy</i> , 2016 , 99, 1-9	8.1	34
77	Thermal energy storage and retrieval properties of form-stable phase change nanofibrous mats based on ternary fatty acid eutectics/polyacrylonitrile composite by magnetron sputtering of silver. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 123, 1293-1307	4.1	37
76	Ammonia gas sensors based on InO/PANI hetero-nanofibers operating at room temperature. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1312-1321	3	27

75	Fabrication of polyaniline/carboxymethyl cellulose/cellulose nanofibrous mats and their biosensing application. <i>Applied Surface Science</i> , 2015 , 349, 35-42	6.7	42
74	A form-stable phase change material made with a cellulose acetate nanofibrous mat from bicomponent electrospinning and incorporated capric/myristic/stearyl acid ternary eutectic mixture for thermal energy storage/retrieval. <i>RSC Advances</i> , 2015 , 5, 84245-84251	3.7	11
73	Fabrication and characterization of electrospun SiO ₂ nanofibers absorbed with fatty acid eutectics for thermal energy storage/retrieval. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 132, 183-190	6.4	50
72	Fabrication and characterization of capric/auric/palmitic acid/electrospun SiO ₂ nanofibers composite as form-stable phase change material for thermal energy storage/retrieval. <i>Solar Energy</i> , 2015 , 118, 87-95	6.8	59
71	Graphene oxide improved thermal and mechanical properties of electrospun methyl stearate/polyacrylonitrile form-stable phase change composite nanofibers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 117, 109-122	4.1	43
70	Amperometric detection of hydrogen peroxide using a nanofibrous membrane sputtered with silver. <i>RSC Advances</i> , 2014 , 4, 3857-3863	3.7	17
69	A catechol biosensor based on electrospun carbon nanofibers. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 346-54	3	33
68	The Improvement of Thermal Stability and Conductivity via Incorporation of Carbon Nanofibers into Electrospun Ultrafine Composite Fibers of Lauric Acid/Polyamide 6 Phase Change Materials for Thermal Energy Storage. <i>International Journal of Green Energy</i> , 2014 , 11, 861-875	3	19
67	Electrospun ultrafine composite fibers of binary fatty acid eutectics and polyethylene terephthalate as innovative form-stable phase change materials for storage and retrieval of thermal energy. <i>International Journal of Energy Research</i> , 2013 , 37, 657-664	4.5	16
66	Immobilization of catalases on amidoxime polyacrylonitrile nanofibrous membranes. <i>Polymer International</i> , 2013 , 62, 251-256	3.3	29
65	Fabrication of hydrophilic nanoporous PMMA/O-MMT composite microfibrillar membrane and its use in enzyme immobilization. <i>Journal of Porous Materials</i> , 2013 , 20, 457-464	2.4	13
64	Thermal and mechanical properties of nanofibers-based form-stable PCMs consisting of glycerol monostearate and polyethylene terephthalate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 101-111	4.1	16
63	One-pot synthesis and electrochemical property of MnO/C hybrid microspheres. <i>Ionics</i> , 2013 , 19, 595-600	2.7	10
62	Influences of expanded graphite on structural morphology and thermal performance of composite phase change materials consisting of fatty acid eutectics and electrospun PA6 nanofibrous mats. <i>Renewable Energy</i> , 2013 , 57, 163-170	8.1	53
61	Electrospun form-stable phase change composite nanofibers consisting of capric acid-based binary fatty acid eutectics and polyethylene terephthalate. <i>Fibers and Polymers</i> , 2013 , 14, 89-99	2	36
60	Electrospun nanofibrous mats absorbed with fatty acid eutectics as an innovative type of form-stable phase change materials for storage and retrieval of thermal energy. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 109, 160-168	6.4	52
59	Fabrication, Structural Morphology and Thermal Energy Storage/Retrieval of Ultrafine Phase Change Fibres Consisting of Polyethylene Glycol and Polyamide 6 by Electrospinning. <i>Polymers and Polymer Composites</i> , 2013 , 21, 525-532	0.8	9
58	Electrospun anatase-phase TiO ₂ nanofibers with different morphological structures and specific surface areas. <i>Journal of Colloid and Interface Science</i> , 2013 , 398, 103-111	9.3	48

57	Fabrication and characterization of polyamide6-room temperature ionic liquid (PA6-RTIL) composite nanofibers by electrospinning. <i>Fibers and Polymers</i> , 2013 , 14, 1614-1619	2	12
56	Preparation and Characterization of porous Carbon/Nickel Nanofibers for Supercapacitor. <i>Journal of Engineered Fibers and Fabrics</i> , 2013 , 8, 155892501300800	0.9	2
55	Electrospun ultrafine composite fibers consisting of lauric acid and polyamide 6 as form-stable phase change materials for storage and retrieval of solar thermal energy. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 103, 53-61	6.4	73
54	Preparation, morphology and thermal properties of electrospun fatty acid eutectics/polyethylene terephthalate form-stable phase change ultrafine composite fibers for thermal energy storage. <i>Energy Conversion and Management</i> , 2012 , 64, 245-255	10.6	70
53	Structural morphology and thermal performance of composite phase change materials consisting of capric acid series fatty acid eutectics and electrospun polyamide6 nanofibers for thermal energy storage. <i>Materials Letters</i> , 2012 , 89, 43-46	3.3	39
52	Preparation and characterization of polyaniline/Fe ₃ O ₄ /polyacrylonitrile composite nanofibers. <i>International Journal of Materials Research</i> , 2012 , 103, 1390-1394	0.5	3
51	Solvothermal preparation and lithium storage properties of Fe ₂ O ₃ /C hybrid microspheres. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 220-223	5.7	14
50	Effects of carbon nanotubes on morphological structure, thermal and flammability properties of electrospun composite fibers consisting of lauric acid and polyamide 6 as thermal energy storage materials. <i>Fibers and Polymers</i> , 2012 , 13, 837-845	2	15
49	Preparation and Characterization of Porous TiO ₂ Fibers and Their Photocatalytic Activity. <i>Journal of Engineered Fibers and Fabrics</i> , 2012 , 7, 155892501200700	0.9	
48	Electrochemical properties of rutile TiO ₂ nanorods as anode material for lithium-ion batteries. <i>Ionics</i> , 2012 , 18, 667-672	2.7	10
47	Removal of a Cationic Dye by Adsorption/Photodegradation Using Electrospun PAN/O-MMT Composite Nanofibrous Membranes Coated with TiO ₂ . <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-8	2.1	21
46	Surface modification of PMMA/O-MMT composite microfibers by TiO ₂ coating. <i>Applied Surface Science</i> , 2011 , 258, 98-102	6.7	22
45	Preparation, Morphology and Properties of Electrospun Lauric Acid/PET Form-Stable Phase Change Ultrafine Composite Fibres. <i>Polymers and Polymer Composites</i> , 2011 , 19, 773-780	0.8	10
44	Structure, Morphology and Thermal Stability of Porous Carbon Nanofibers Loaded with Cobalt Nanoparticles. <i>Journal of Engineered Fibers and Fabrics</i> , 2011 , 6, 155892501100600	0.9	
43	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. <i>Applied Energy</i> , 2011 , 88, 2106-2112	10.7	126
42	Effects of ferric chloride on structure, surface morphology and combustion property of electrospun polyacrylonitrile composite nanofibers. <i>Fibers and Polymers</i> , 2011 , 12, 145-150	2	17
41	Sonochemical synthesis of ordered SnO ₂ /CMK-3 nanocomposites and their lithium storage properties. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3704-8	9.5	68
40	Structure and Morphological Evolvement of Electrospun Polyacrylonitrile/Organic Modified Fe-Montmorillonite Composite Carbon Nanofibers. <i>International Journal of Polymer Analysis and Characterization</i> , 2011 , 16, 24-35	1.7	2

39	Structure, Thermal, and Antibacterial Properties of Polyacrylonitrile/Ferric Chloride Nanocomposite Fibers by Electrospinning. <i>International Journal of Polymer Analysis and Characterization</i> , 2010 , 15, 110-118	1.7	18
38	The Effect of Organic/Inorganic Hybridization on the Structures of Nanofibers. <i>Journal of Industrial Textiles</i> , 2010 , 39, 293-304	1.6	3
37	Surface characterization of aromatic thermotropic liquid crystalline fiber deposited by nanostructured silver. <i>Fibers and Polymers</i> , 2010 , 11, 813-818	2	6
36	Comparison Between Structures and Properties of ABS Nanocomposites Derived from Two Different Kinds of OMT. <i>Journal of Materials Engineering and Performance</i> , 2010 , 19, 171-176	1.6	23
35	The catalyzing carbonization properties of acrylonitrile-butadiene-styrene copolymer (ABS)/rare earth oxide (La ₂ O ₃)/organophilic montmorillonite(OMT) nanocomposites. <i>Journal of Polymer Research</i> , 2010 , 17, 83-88	2.7	4
34	Solvothermal synthesis of NiO/C hybrid microspheres as Li-intercalation electrode material. <i>Materials Letters</i> , 2010 , 64, 1022-1024	3.3	19
33	Electrochemical charge storage of flowerlike rutile TiO ₂ nanorods. <i>Chemical Physics Letters</i> , 2010 , 490, 180-183	2.5	14
32	Comparison Between Effects of Two Different Cationic Surfactants on Structure and Properties of HIPS/OMT Nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2009 , 28, 2161-2172	2.9	2
31	Morphology, thermal and mechanical properties of PVAc/ TiO ₂ hybrid nanofibers. <i>E-Polymers</i> , 2009 , 9,	2.7	1
30	Characterization of PVAc/TiO ₂ hybrid nanofibers: From fibrous morphologies to molecular structures. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 1481-1485	2.9	13
29	Influences of organic-modified Fe-montmorillonite on structure, morphology and properties of polyacrylonitrile nanocomposite fibers. <i>Fibers and Polymers</i> , 2009 , 10, 750-755	2	24
28	Characterization of polymer nanofibers coated by reactive sputtering of zinc. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 2028-2032	5.3	8
27	Thermal stability, latent heat and flame retardant properties of the thermal energy storage phase change materials based on paraffin/high density polyethylene composites. <i>Renewable Energy</i> , 2009 , 34, 2117-2123	8.1	136
26	Preparation, thermal and flammability properties of a novel form-stable phase change materials based on high density polyethylene/poly(ethylene-co-vinyl acetate)/organophilic montmorillonite nanocomposites/paraffin compounds. <i>Energy Conversion and Management</i> , 2008 , 49, 2055-2062	10.6	61
25	Surface Structures and Contact Angles of Electrospun Poly(vinylidene fluoride) Nanofiber Membranes. <i>International Journal of Polymer Analysis and Characterization</i> , 2008 , 13, 292-301	1.7	30
24	Effect of temperature on structure, morphology and crystallinity of PVDF nanofibers via electrospinning. <i>E-Polymers</i> , 2008 , 8,	2.7	14
23	Preparation, Surface Morphology, and Thermal Stability of Polyamide 6 Composite Nanofibres by Electrospinning. <i>Polymers and Polymer Composites</i> , 2008 , 16, 605-610	0.8	3
22	Preparation and properties studies of halogen-free flame retardant form-stable phase change materials based on paraffin/high density polyethylene composites. <i>Applied Energy</i> , 2008 , 85, 765-775	10.7	88

21	Structure, surface morphology, thermal and flammability characterizations of polyamide6/organic-modified Fe-montmorillonite nanocomposite fibers functionalized by sputter coating of silicon. <i>Surface and Coatings Technology</i> , 2008 , 203, 264-270	4.4	32
20	Structures, thermal stability, and crystalline properties of polyamide6/organic-modified Fe-montmorillonite composite nanofibers by electrospinning. <i>Journal of Materials Science</i> , 2008 , 43, 6132-6138	4.3	43
19	Functionalization of polyamide 6 nanofibers by electroless deposition of copper 2008 , 5, 399-403		16
18	Structural characterization and dynamic water adsorption of electrospun polyamide6/montmorillonite nanofibers. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3535-3540	2.9	27
17	Surface nanostructures and dynamic contact angles of functionalized poly(ethylene terephthalate) fibers. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 654-658	2.9	7
16	Wetting behavior of electrospun poly(L-lactic acid)/poly(vinyl alcohol) composite nonwovens. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3172-3177	2.9	18
15	Catalyzing carbonization function of ZrP based intumescent fire retardant polypropylene nanocomposites. <i>Polymer Degradation and Stability</i> , 2008 , 93, 2014-2018	4.7	109
14	Structure, morphology, thermal stability and carbonization mechanism studies of electrospun PA6/Fe-OMT nanocomposite fibers. <i>Polymer Degradation and Stability</i> , 2008 , 93, 2180-2185	4.7	40
13	Surface functionalization, morphology and thermal properties of polyamide6/O-MMT composite nanofibers by Fe ₂ O ₃ sputter coating. <i>Applied Surface Science</i> , 2008 , 254, 5501-5505	6.7	21
12	Evaluation of the interfacial bonding between fibrous substrate and sputter coated copper. <i>Surface and Coatings Technology</i> , 2008 , 202, 4673-4680	4.4	18
11	Surface functionalization of carbon nanofibers by sol-gel coating of zinc oxide. <i>Applied Surface Science</i> , 2008 , 254, 6543-6546	6.7	27
10	Morphology, Thermal and Mechanical Properties of Poly (Styrene-Acrylonitrile) (SAN)/Clay Nanocomposites from Organic-Modified Montmorillonite. <i>Polymer-Plastics Technology and Engineering</i> , 2007 , 46, 541-548		28
9	Effect of order of mixing on morphology and thermal properties of the compatibilized PBT and ABS alloys/OMT nanocomposites. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 2130-2139	2.9	16
8	Catalyzing carbonization function of ferric chloride based on acrylonitrileButadieneStyrene copolymer/organophilic montmorillonite nanocomposites. <i>Polymer Degradation and Stability</i> , 2007 , 92, 490-496	4.7	45
7	Preparation and flammability of high density polyethylene/paraffin/organophilic montmorillonite hybrids as a form stable phase change material. <i>Energy Conversion and Management</i> , 2007 , 48, 462-469	10.6	80
6	Synthesis and characterization of thermoplastic polyurethane/montmorillonite nanocomposites produced by reactive extrusion. <i>Journal of Materials Science</i> , 2007 , 42, 5785-5790	4.3	33
5	Preparation and characterization of poly (styrene-acrylonitrile) (SAN)/clay nanocomposites by melt intercalation. <i>Journal of Materials Science</i> , 2007 , 42, 5524-5533	4.3	9
4	Flammability and thermal properties of high density polyethylene/paraffin hybrid as a form-stable phase change material. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1320-1327	2.9	63

3	Fire retardant synergism between melamine and triphenyl phosphate in poly(butylene terephthalate). <i>Polymer Degradation and Stability</i> , 2006 , 91, 2093-2100	4.7	62
2	Preparation and characterizations of HDPE/EVA alloy/OMT nanocomposites/paraffin compounds as a shape stabilized phase change thermal energy storage material. <i>Thermochimica Acta</i> , 2006 , 451, 44-51	2.9	62
1	Influence of gamma irradiation on high density polyethylene/ethylene-vinyl acetate/clay nanocomposites. <i>Polymers for Advanced Technologies</i> , 2004 , 15, 601-605	3.2	26