Linge Wang

List of Publications by Citations

51 papers	1,838 citations	23 h-index	42 g-index
54 ext. papers	2,085 ext. citations	6.4 avg, IF	4.79 L-index

#	Paper	IF	Citations
51	Synthetic bio-nanoreactor: mechanical and chemical control of polymersome membrane permeability. *Angewandte Chemie - International Edition*, **2012**, 51, 4448-51	16.4	220
50	Electrospinning of ethyl-2-cyanoethyl cellulose/tetrahydrofuran solutions. *Journal of Applied Polymer Science*, **2004**, 91, 242-246	2.9	133
49	Electrospun phase change fibers based on polyethylene glycol/cellulose acetate blends. *Applied Energy*, **2011**, 88, 3133-3139	10.7	131
48	Electrospinning of thermo-regulating ultrafine fibers based on polyethylene glycol/cellulose acetate composite. *Polymer*, **2007**, 48, 5202-5207	3.9	128
47	Morphology and thermal properties of electrospun fatty acids/polyethylene terephthalate composite fibers as novel form-stable phase change materials. *Solar Energy Materials and Solar Cells*, **2008**, 92, 1382-1387	6.4	118
46	Crosslinking of the electrospun polyethylene glycol/cellulose acetate composite fibers as shape-stabilized phase change materials. *Materials Letters*, **2009**, 63, 569-571	3.3	92
45	A novel shape-stabilized PCM: Electrospun ultrafine fibers based on lauric acid/polyethylene terephthalate composite. *Materials Letters*, **2008**, 62, 3515-3517	3.3	91
44	Encapsulation of biomacromolecules within polymersomes by electroporation. *Angewandte Chemie - International Edition*, **2012**, 51, 11122-5	16.4	87
43	Ultrafine electrospun fibers based on stearyl stearate/polyethylene terephthalate composite as form stable phase change materials. *Chemical Engineering Journal*, **2009**, 150, 269-274	14.7	74
42	Review on electrospun ultrafine phase change fibers (PCFs) for thermal energy storage. *Applied Energy*, **2018**, 210, 167-181	10.7	73
41	Effect of solvent on morphology of electrospinning ethyl cellulose fibers. *Journal of Applied Polymer Science*, **2005**, 97, 1292-1297	2.9	71
40	Synthesis and Peptide-Induced Degradation of Biocompatible Fibers Based on Highly Branched Poly(2-hydroxyethyl methacrylate). *Advanced Materials*, **2006**, 18, 1566-1570	24	67
39	Electrospinning pH-Responsive Block Copolymer Nanofibers. *Advanced Materials*, **2007**, 19, 3544-3548	24	58
38	Fabrication of magnetic drug-loaded polymeric composite nanofibres and their drug release characteristics. *RSC Advances*, **2012**, 2, 2433	3.7	38
37	Electrospun hydroxypropyl methyl cellulose phthalate (HPMCP)/erythromycin fibers for targeted release in intestine. *Journal of Applied Polymer Science*, **2007**, 106, 2177-2184	2.9	36
36	A comprehensive review of electrospinning block copolymers. *Soft Matter*, **2019**, 15, 2490-2510	3.6	35
35	Superhydrophobic hierarchical fiber/bead composite membranes for efficient treatment of burns. *Acta Biomaterialia*, **2019**, 92, 60-70	10.8	33

34	Role of Mn of PEG in the morphology and properties of electrospun PEG/CA composite fibers for thermal energy storage. *AICHE Journal*, **2009**, 55, 820-827	3.6	33
33	Rinse-resistant superhydrophobic block copolymer fabrics by electrospinning, electrospraying and thermally-induced self-assembly. *Applied Surface Science*, **2017**, 422, 769-777	6.7	30
32	Self-Assembly-Driven Electrospinning: The Transition from Fibers to Intact Beaded Morphologies. *Macromolecular Rapid Communications*, **2015**, 36, 1437-43	4.8	30
31	Electrostatically generated fibers of ethyl-cyanoethyl cellulose. *Cellulose*, **2003**, 10, 405-409	5.5	29
30	Frank-Kasper and related quasicrystal spherical phases in macromolecules. *Science China Chemistry*, **2018**, 61, 33-45	7.9	23
29	Structural Characteristics and Defects in Ethyl□yanoethyl Cellulose/Acrylic Acid Cholesteric Liquid Crystalline System. *Macromolecules*, **2004**, 37, 303-309	5.5	23
28	Crystallization of Polymer Chains Chemically Attached on a Surface: Lamellar Orientation from Flat-on to Edge-on. *Journal of Physical Chemistry B*, **2016**, 120, 4715-22	3.4	18
27	Bottom-Up Evolution of Vesicles from Disks to High-Genus Polymersomes. *IScience*, **2018**, 7, 132-144	6.1	17
26	Binary shape-stabilized phase change materials based on poly(ethylene glycol)/polyurethane composite with dual-phase transition. *Journal of Materials Science*, **2018**, 53, 16539-16556	4.3	15
25	Postproduction processing of electrospun fibres for tissue engineering. *Journal of Visualized Experiments*, **2012**,	1.6	14
24	Microparticle templating as a route to nanoscale polymer vesicles with controlled size distribution for anticancer drug delivery. *Journal of Colloid and Interface Science*, **2017**, 508, 145-153	9.3	13
23	Effects of Magnetic Field on Ethyl□yanoethyl Cellulose Cholesteric Order. *Macromolecules*, **2000**, 33, 7062-7065	5.5	13
22	Disklike Texture of Ethyl□yanoethyl Cellulose Cholesteric Phase. *Macromolecules*, **2002**, 35, 3111-3116	5.5	12
21	A review on electrospun magnetic nanomaterials: methods, properties and applications. *Journal of Materials Chemistry C*, **2021**, 9, 9042-9082	7.1	11
20	Photoinduced graft copolymerization of polymer surfactants based on hydroxyethyl cellulose. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 190, 9-14	4.7	10
19	Relaxation Processes in sheared films of ethyl-cyanoethyl cellulose cholesteric liquid crystalline solutions. *Liquid Crystals*, **2003**, 30, 1129-1137	2.3	9
18	Visible-blind ultraviolet narrowband photomultiplication-type organic photodetector with an ultrahigh external quantum efficiency of over 1 000 000. *Materials Horizons*, **2021**, 8, 2293-2302	14.4	8
17	Encapsulation of Biomacromolecules within Polymersomes by Electroporation. *Angewandte Chemie* , **2012**, 124, 11284-11287	3.6	6

16	Optical properties of ethyl-cyanoethyl cellulose/poly(acrylic acid) cholesteric liquid crystalline composite films. *Journal of Applied Polymer Science*, **2004**, 92, 213-217	2.9	6
15	Soft matters from nano-atoms to giant molecules. *Wuli Xuebao/Acta Physica Sinica*, **2016**, 65, 183601	0.6	5
14	Fabrication superhydrophobic composite membranes with hierarchical geometries and low-surface-energy modifications. *Polymer*, **2020**, 211, 123097	3.9	5
13	Electrospinning of Phase-Change Materials for Thermal Energy Storage. *Nanostructure Science and Technology*, **2014**, 227-247	0.9	3
12	Micro-and-nanometer topological gradient of block copolymer fibrous scaffolds towards region-specific cell regulation. *Journal of Colloid and Interface Science*, **2022**, 606, 248-260	9.3	3
11	Porous three-dimensional polymer composites for tailored delivery of bioactives and drugs **2019**, 331-369		2
10	Effect of swelling on the cholesteric structure of ethyl-cyanoethyl cellulose/crosslinked poly(acrylic acid) composite films. *Journal of Applied Polymer Science*, **2004**, 91, 3574-3578	2.9	2
9	Concentration dependence of magnetic field effects on the ethyl-cyanoethyl cellulose/dichoroacetic acid cholesteric phase. *Liquid Crystals*, **2001**, 28, 1673-1677	2.3	2
8	Can Photothermal Post-Operative Cancer Treatment Be Induced by a Thermal Trigger?. *ACS Applied Materials & Interfaces*, **2021**, 13, 60837-60851	9.5	2
7	Photothermal-responsive fiber dressing with enhanced antibacterial activity and cell manipulation towards promoting wound-healing.. *Journal of Colloid and Interface Science*, **2022**, 623, 21-33	9.3	2
6	Polymersomes as virus-surrogate particles for evaluating the performance of air filter materials. *Giant*, **2022**, 10, 100104	5.6	2
5	Influence of swelling solutions on the behavior of cholesteric networks. *Journal of Applied Polymer Science*, **2005**, 95, 724-729	2.9	1
4	Effects of concentration and boundary conditions on (E-CE)-C cholesteric phase. *Polymer Bulletin*, **2000**, 45, 89-96	2.4	1
3	A comparative study of linear polyurea and crosslinked polyurea as supports to stabilize polyethylene glycol for thermal energy storage. *Renewable Energy*, **2022**, 183, 535-547	8.1	1
2	APPLICATION OF ELECTROSPUN ETHYL CELLULOSE FIBERS IN DRUG RELEASE SYSTEMS. *Acta Polymerica Sinica*, **2006**, 006, 264-268		1
1	Macromol. Rapid Commun. 15/2015. *Macromolecular Rapid Communications*, **2015**, 36, 1452-1452	4.8	