Yuezhen Bin

List of Publications by Year
in descending order

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35	650	567281	580821
papers	citations	15	25
		h-index	g-index

35	35	35	670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mussel-Inspired Self-Adhesive, Antidrying, and Antifreezing Poly(acrylic acid)/Bentonite/Polydopamine Hybrid Glycerol-Hydrogel and the Sensing Application. ACS Applied Polymer Materials, 2020, 2, 3094-3106.	4.4	67
2	A highly stretchable natural rubber/buckypaper/natural rubber (NR/N-BP/NR) sandwich strain sensor with ultrahigh sensitivity. Advanced Composites and Hybrid Materials, 2021, 4, 1039-1047.	21.1	60
3	Carbon nanotube buckypaper and buckypaper/polypropylene composites for high shielding effectiveness and absorption-dominated shielding material. Composites Science and Technology, 2019, 181, 107699.	7.8	53
4	Mechanical Properties of Poly (Lactic Acid)/Hemp Fiber Composites Prepared with a Novel Method. Journal of Polymers and the Environment, 2013, 21, 1117-1127.	5.0	52
5	Natural rubber toughened carbon nanotube buckypaper and its multifunctionality in electromagnetic interference shielding, thermal conductivity, Joule heating and triboelectric nanogenerators. Chemical Engineering Journal, 2022, 433, 133499.	12.7	41
6	Strong and tough PVA/PAA hydrogel fiber with highly strain sensitivity enabled by coating MWCNTs. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106050.	7.6	36
7	Self-healing and anti-freezing grapheneâ€“hydrogelâ€“graphene sandwich strain sensor with ultrahigh sensitivity. Journal of Materials Chemistry B, 2021, 9, 3088-3096.	5.8	36
8	Synergetic effects of carbon nanotubes and carbon fibers on electrical and self-heating properties of high-density polyethylene composites. Journal of Materials Science, 2015, 50, 1565-1574.	3.7	35
9	Comparative study of structure, mechanical and electromagnetic interference shielding properties of carbon nanotube buckypapers prepared by different dispersion media. Materials and Design, 2019, 184, 108175.	7.0	29
10	<scp>MWCNTs</scp> reinforced conductive, selfâ€healing polyvinyl alcohol/carboxymethyl chitosan/oxidized sodium alginate hydrogel as the strain sensor. Journal of Applied Polymer Science, 2021, 138, 49800.	2.6	25
11	Sustainable bacterial cellulose reinforced carbon nanotube buckypaper and its multifunctionality for electromagnetic interference shielding, Joule heating and humidity sensing. Chemical Engineering Journal, 2022, 441, 136103.	12.7	25
12	Electrical and selfâ€heating properties of UHMWPEâ€EMMAâ€NiCF composite films. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1253-1266.	2.1	17
13	Gelation/crystallization mechanisms of UHMWPE solutions and structures of ultradrawn gel films. Polymer Journal, 2014, 46, 21-35.	2.7	17
14	High absorption shielding material of poly(phthalazinone etherketone)/multiwall carbon nanotube composite films with sandwich configurations. RSC Advances, 2019, 9, 18758-18766.	3.6	17
15	Crystallization and Phase Separation of Branched Low Molecular Weight Polyethylene/Ultrahigh Molecular Weight Polyethylene Blend under a Controlled Temperature Gradient. Macromolecules, 2010, 43, 5323-5329.	4.8	15
16	Facile fabrication of polyaniline@Î³-MnOOH on a buckypaper ternary composite electrode for free-standing supercapacitors. RSC Advances, 2017, 7, 44523-44530.	3.6	15
17	The effect of a small amount of modified microfibrillated cellulose and ethyleneâ€“glycidyl methacrylate copolymer on the crystallization behaviors and mechanical properties of polylactic acid. Polymer Bulletin, 2018, 75, 3377-3394.	3.3	12
18	Effect of chemical crosslinking on mechanical and electrical properties of ultrahigh-molecular-weight polyethylene-carbon fiber blends prepared by gelation/crystallization from solutions. Colloid and Polymer Science, 2010, 288, 307-316.	2.1	10

#	Article	IF	Citations
19	Improved electrical heating properties for polymer nanocomposites by electron beam irradiation. Polymer Bulletin, 2018, 75, 2847-2863.	3.3	10
20	Detailed analysis of temperature dependences of spherulite morphology and crystallite orientation of poly(vinylidene fluoride) via a combinatorial method. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 253-261.	2.1	8
21	One pot synthesis of bimodal UHMWPE/HDPE inâ€reactor blends with Cr/V bimetallic catalysts. Journal of Polymer Science Part A, 2017, 55, 3404-3412.	2.3	8
22	Outstanding temperatureâ€tolerant conductive polyacrylamide/sodium carboxymethylcellulose hydrogel with ultraâ€stretchability and good strain sensing performance. Journal of Applied Polymer Science, 2022, 139, .	2.6	8
23	Temperature dependence of lamellae orientation of a branched low molecular weight polyethylene/ultrahigh molecular weight polyethylene blend film under a controlled temperature gradient. Polymer, 2013, 54, 4037-4044.	3.8	7
24	Study of the structural orientation and mechanical strength of the electrospun nanofibers from polymers with different chain rigidity and geometry. Polymer Bulletin, 2018, 75, 947-962.	3.3	7
25	Rheological properties of UHMWPE/HDPE blend gels and morphology and mechanical properties of gelâ€spun fibers. Polymer Engineering and Science, 2021, 61, 2127-2136.	3.1	7
26	Study of crystallization behavior of neat poly(vinylidene fluoride) and transcrystallization in carbon fiber/poly(vinylidene fluoride) composite under a temperature gradient. Journal of Applied Polymer Science, 2016, 133, .	2.6	6
27	Poly (ethylene terephthalate) nonwoven fabricsâ€based membranes modified by electrospinning of thermoplastic polyurethane, nano SiO₂ and Ag particles as medical packing materials. Packaging Technology and Science, 2022, 35, 557-567.	2.8	6
28	Temperature Dependence of Morphology of Transcrystalline at the Interface of Carbon Fiber and Poly (Lâ€Lactic Acid) Composite Under a Temperature Gradient Stage. Macromolecular Symposia, 2016, 365, 10-16.	0.7	5
29	Fabrication of flower-like TiO₂ on Bucky paper with enhanced photocatalytic activity. International Journal of Modern Physics B, 2019, 33, 1950017.	2.0	5
30	Synthesis of vinylferrocene and the ligand-exchange reaction between its copolymer and carbon nanotubes. Frontiers of Chemical Science and Engineering, 2014, 8, 171-178.	4.4	4
31	The investigation of the growth and perfection of the poly(ethylene terephthalate) crystalline region from amorphous state during annealing using a controlled temperature gradient. Polymer Crystallization, 2021, 4, e10178.	0.8	3
32	Rheological behavior of ultrahigh molecular weight polyethylene/lowâ€density polyethylene blending gels with high solid content. Polymer Engineering and Science, 2018, 58, 22-27.	3.1	2
33	A poly(vinyl alcohol)/poly(stearyl acrylate) coreâ€shell fibers with robust performance realized by taking advantages of the phase change property. Journal of Applied Polymer Science, 2022, 139, 51794.	2.6	2
34	Morphology transition of <scp>micronâ€thick</scp> linear <scp>lowâ€density</scp> polyethylene films and the construction of nested spherulitic crystals via combinatorial methodology. Polymer Crystallization, 2021, 4, e10163.	0.8	0
35	Synthesis and characterization of poly(phthalazinone ether ketone ketone) copolymers with 4,4â€²-dihydroxybiphenyls. High Performance Polymers, 2021, 33, 276-284.	1.8	0