

Weibing Xu

List of Publications by Year in descending order

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34
papers

881
citations

687363

13
h-index

454955

30
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34
all docs

34
docs citations

34
times ranked

1046
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonisothermal crystallization kinetics of polypropylene/montmorillonite nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 408-414.	2.1	212
2	Polyethylene/maleic anhydride grafted polyethylene/organic-montmorillonite nanocomposites. I. Preparation, microstructure, and mechanical properties. Journal of Applied Polymer Science, 2004, 91, 3974-3980.	2.6	138
3	PP-PP-g-MAH-Org-MMT nanocomposites. I. Intercalation behavior and microstructure. Journal of Applied Polymer Science, 2003, 88, 3225-3231.	2.6	78
4	Preparation and photocatalysis of TiO ₂ /fluoropolymer electrospun fiber nanocomposites. Polymer, 2009, 50, 3031-3036.	3.8	78
5	PE/PE-g-MAH/Org-MMT nanocomposites. II. Nonisothermal crystallization kinetics. Journal of Applied Polymer Science, 2004, 91, 3054-3059.	2.6	53
6	Electrically switchable photoluminescence of fluorescent-molecule-dispersed liquid crystals prepared via photoisomerization-induced phase separation. Journal of Materials Chemistry C, 2014, 2, 1386.	5.5	52
7	Poly(propylene)-poly(propylene)-grafted maleic anhydride-organic montmorillonite (PP-PP-g-MAH-Org-MMT) nanocomposites. II. Nonisothermal crystallization kinetics. Journal of Applied Polymer Science, 2003, 88, 3093-3099.	2.6	45
8	Differential scanning calorimetric study on the curing behavior of epoxy resin/diethylenetriamine/organic montmorillonite nanocomposite. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 378-386.	2.1	37
9	Blocked isocyanate silane modified Al ₂ O ₃ /polyamide 6 thermally conductive and electrical insulation composites with outstanding mechanical properties. RSC Advances, 2017, 7, 29779-29785.	3.6	22
10	Synthesis of N ₂ S co-doped TiO ₂ microcrystal with an isobandgap characteristic and its photocatalytic activity under visible light. Catalysis Science and Technology, 2018, 8, 4108-4121.	4.1	22
11	Curing behavior of epoxy resin/tung oil anhydride exfoliated nanocomposite by differential scanning calorimetry. Journal of Applied Polymer Science, 2004, 92, 3822-3829.	2.6	20
12	Preparation and characterization of polyethylene-g-maleic anhydride-styrene/montmorillonite nanocomposites. Journal of Applied Polymer Science, 2006, 101, 805-809.	2.6	17
13	Preparation and photocatalytic activity of zinc sulfide/polymer nanocomposites. Journal of Applied Polymer Science, 2009, 113, 1264-1269.	2.6	13
14	Deblocking of the water-soluble isophorone diisocyanate blocked by sodium bisulfite and its application. Journal of Applied Polymer Science, 2013, 128, 597-599.	2.6	10
15	A simple sonochemical method for fabricating poly(methyl methacrylate)/stearic acid phase change energy storage nanocapsules. Ultrasonics Sonochemistry, 2015, 27, 403-407.	8.2	10
16	New hyperdispersant agent for polypropylene/CaSO ₄ composites. Journal of Applied Polymer Science, 2009, 111, 532-538.	2.6	7
17	An outstanding heat-resistant hydroxyl boron-silicone oil with hyperconjugation action in backbone. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1825-1831.	3.6	7
18	Formation mechanism of thermally expandable microspheres of PMMA encapsulating NaHCO ₃ and ethanol via thermally induced phase separation. RSC Advances, 2017, 7, 50603-50609.	3.6	6

#	ARTICLE	IF	CITATIONS
19	Preparation of heat resistant boron-containing phenyl silicone oil and its initial degradation mechanism in air. <i>Materials Research Express</i> , 2021, 8, 065304.	1.6	6
20	Non-isothermal melt crystallization kinetics of anhydrite-filled polypropylene composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 12-19.	1.0	5
21	Thermal property of TiO ₂ –fluoropolymer fiber nanocomposites. <i>Journal of Materials Science</i> , 2010, 45, 2534-2537.	3.7	5
22	Simple synthesis of lithium-doped sulfated titania nanoparticles and their high visible light photocatalytic activity under negative bias electrostatic field. <i>RSC Advances</i> , 2016, 6, 101714-101724.	3.6	5
23	Simple method for preparation of thermally expandable microspheres of PMMA encapsulating NaHCO ₃ via thermally induced phase separation. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46179.	2.6	5
24	Water as Blowing Agent: Preparation of Environmental Thermally Expandable Microspheres via Inverse Suspension Polymerization. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1026-1034.	1.9	5
25	Preparation of S-doped C ₃ S ₂ TiO ₂ /conducting polymer fiber composites for efficient photocatalytic hydrogen production under visible light irradiation. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	4
26	Synthesis and Characterization of High Heat Resistant Hydroxyl Silicone Oil with Boron and Sulfoxide in Backbone. <i>Silicon</i> , 2020, 12, 2203-2210.	3.3	4
27	Effect of 17-4PH stainless steel powders interaction on feedstocks. <i>Powder Technology</i> , 2020, 372, 204-211.	4.2	4
28	Activating atomically dispersed Co–N/C sites on g-C ₃ N ₄ nanosheets <i>via</i> incorporating sulfur enables efficient visible light H ₂ evolution. <i>Sustainable Energy and Fuels</i> , 2021, 6, 170-178.	4.9	4
29	A facile approach to the synthesis of CdSe/P3HT nanocomposites. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	2
30	The effect of surface morphology on the peel performance of UV-induced adhesion-reducing adhesives. <i>Materials Research Express</i> , 2022, 9, 025302.	1.6	2
31	Preparation of 2,5-bis(methylallyl thioester)-thiadiazole with high refractive index and its coatings. <i>Journal of Coatings Technology Research</i> , 2017, 14, 1457-1461.	2.5	1
32	Synthesis and properties of unsaturated modified linoleate for fast UV-curable coatings. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 2707-2716.	2.3	1
33	A study on the viscosity reduction mechanism of high-filled silicone potting adhesive by the formation of Al ₂ O ₃ clusters. <i>RSC Advances</i> , 2022, 12, 10097-10104.	3.6	1
34	Synthesis of silicon ester dispersants and its application in CaCO ₃ /polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2010, 118, n/a-n/a.	2.6	0